



Arginine

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Research Topic

Arginine

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Overview of Terms

Associated with Your Search Topic

158 Relevant Results for
Diseases

Disease/Symptom	Cumulative Article Knowledge Count	
Endothelial Dysfunction	154	21
Hypertension	129	17
Erectile Dysfunction	72	8
Hypertension: Pre-Eclampsia Induced	52	6
Wound Healing	51	10
Diabetes Mellitus: Type 2	44	7
Athletic Performance	40	4
Coronary Artery Disease	35	6
Insulin Resistance	33	5
Pre-Eclampsia	32	4
Heart Failure	31	4
Atherosclerosis	30	7
Interstitial Cystitis	30	3
Cardiovascular Diseases	21	2
Peripheral Vascular Diseases	21	3
Smoking	21	3
Anxiety Disorders	20	2
C-Reactive Protein	20	2
Cachexia	20	2
Coronary Bypass Surgery	20	2
Cystic Fibrosis	20	2
Fetal Growth Retardation	20	2
Fibrinogen: Elevated	20	2
Intermittent Claudication	20	2

Melas Syndrome	20	2
Oxidative Stress	20	6
Peripheral Arterial Disease	20	2
Pressure Ulcer	20	2
Sperm Count: Low	20	2
Sperm Quality: Low	20	2
Tobacco Toxicity	20	2
High Cholesterol	18	5
Intima Media Thickening	14	3
Obesity	14	8
Prenatal Nutrition: Prevention of Problems	14	3
Low Human Growth Hormone	13	4
Abdominal Obesity (Midsection Fat)	12	2
Muscle Damage: Exercise-Induced	12	2
Necrotising enterocolitis	12	2
AIDS	10	1
Ammonia: Elevated	10	1
Anorexia	10	1
Arterial Calcification	10	1
Arterial Hardening: Elasticity	10	1
Asthenozoospermia	10	1
Buerger Disease	10	1
Colon Surgery	10	1
Congestive Heart Failure	10	1
Cortisol: High	10	1
Creatine Transporter Defect	10	1
Diabetes: Cardiovascular Illness	10	1
Diabetic Microangiopathy	10	1

Diabetic Ulcer	10	1
Drug-Induced Toxicity	10	1
Esophageal Surgery	10	1
Estrogen Toxicity	10	1
Gastric Surgery	10	1
Head and Neck Cancer	10	1
Heart Attack: Recovery	10	1
Insulin-Like Growth Factor (IGF): Low	10	1
Laryngeal Cancer	10	1
Liver Surgery	10	1
Myocardial Infarction	10	1
Obsessive-Compulsive Disorder	10	1
Oral Cancer	10	1
Organ Transplantation: Heart	10	1
Polycystic Ovary Syndrome	10	1
Prenatal Nutrition: Health of the Offspring	10	1
Restless Legs Syndrome	10	1
Rheumatoid Arthritis	10	1
Triglycerides: Elevated	10	1
Uremia	10	1
Hypertension: Pulmonary	8	4
Muscle Atrophy	8	4
Hypercholesterolemia	7	4
Right Ventricular Hypertrophy	6	3
Aging	5	3
Allergic Airway Diseases	4	2
Aortic Stenosis	4	2
Atheroma	4	2

Exercise-Induced Tissue Damage	4	2
High Homocysteine	4	2
Hyperlipidemia	4	2
Immune Disorders: Low Immune Function	4	2
Inflammation	4	2
Lipid Peroxidation	4	2
Overweight	4	2
Alcohol Toxicity	3	2
Myocardial Ischemia	3	2
Advanced Glycation End products (AGE)	2	1
Aging: Immunosenescence	2	1
Alcoholic Liver Disease	2	1
Alloxan toxicity	2	1
Amyotrophic Lateral Sclerosis	2	1
Aortic Plaques	2	1
Arterial Plaque	2	1
Asthma	2	1
Brain Inflammation	2	1
Bronchial Asthma	2	1
Burns	2	1
Cardiac noradrenergic hyperactivity	2	1
Cerebral Ischemia	2	1
Chemotherapy-Induced Toxicity: Cyclophosphamide	2	1
Chemotherapy-Induced Toxicity: Cisplatin	2	1
Diabetes Mellitus: Type 1	2	1
Diabetes Mellitus: Type 1: Prevention	2	1
Diabetes: Gastrointestinal dysfunction	2	1
Drug-Induced Toxicity: Cyclosporine	2	1

Duchenne's Muscular Dystrophy	2	1
Escherichia coli Infections	2	1
Gestational Diabetes	2	1
Heat Stroke	2	1
Hemorrhage: Trauma	2	1
Hemorrhage: Trauma Associated	2	1
Hemorrhagic Shock	2	1
Human Growth Hormone: Enhancement	2	2
Hypertrophy: Right Ventricular	2	1
Hypoxia	2	1
Infertility: Female	2	1
Intestinal Obstruction	2	1
Kidney Damage	2	1
Kidney Diseases	2	1
Kidney Failure: Chronic	2	1
Lactation Disorders	2	1
Lipopolysaccharide-Induced Toxicity	2	1
Liver Damage	2	1
Liver Fibrosis	2	1
Lung Damage	2	1
Lung Injury: Acute	2	1
Lung Injury: Smoke-Induced	2	1
Mercury Poisoning	2	1
Metabolic Syndrome X	2	1
Miscarriage	2	1
Muscular Dystrophies	2	1
Osteopenia	2	1
Osteoporosis	2	1

Osteoporosis: Drug-Induced	2	1
Osteoporosis: Steroid-Induced	2	1
Progesterone: Low	2	1
Pulmonary Hypertension	2	1
Seizures	2	1
Short Bowel Syndrome	2	1
Spinal Cord Injuries	2	1
Steroid-Induced Toxicity	2	1
Subarachnoid hemorrhage	2	1
Ulcerative Colitis	2	1
Alzheimer's Disease	1	1
Crohn's Disease	1	1
Demyelinating Diseases	1	1
Galactosemias	1	1
Glomerulosclerosis	1	1
Glutathione Deficiency	1	1
HSV-1	1	1
Human T-Cell Lymphotropic Virus type 1 associated disease	1	1
Inflammatory Bowel Diseases	1	1
Pancreatic Cancer	1	1
Scurvy	1	1
Wound Healing: Delayed	1	1

50 Relevant Results for Pharmacological Actions

Pharmacological Action Name	Cumulative Knowledge	Article Count
Nitric Oxide Enhancer	83	18
Antihypertensive Agents	71	8

Vasodilator Agents	56	7
Cardioprotective	40	8
Insulin Sensitizers	30	3
Hypolipidemic	26	5
Antioxidants	24	9
Immunomodulatory	22	3
Anxiolytic	20	2
Cardiovascular Agents	20	2
Fertility Agents: Male	20	2
Hypotensive	20	2
Platelet Aggregation Inhibitors	20	2
Superoxide Dismutase Up-regulation	19	6
Anti-Adipogenic	18	5
Secretagogue	14	4
Anti-Inflammatory Agents	13	3
Anticholesteremic Agents	12	2
Nitric Oxide Inhibitor	12	7
Vascular Endothelial Growth Factor A Inhibitor	12	2
Ergogenic	11	2
Cardiotonic Agents	10	1
Hypoglycemic Agents	10	1
Vascular Cell Adhesion Molecule-1 Inhibitor	10	1
Xanthine oxidase inhibitor	10	1
Anabolic Agents	8	4
Tumor Necrosis Factor (TNF) Alpha Inhibitor	7	4
Lipolytic	6	3
Antiproliferative	5	3
Enzyme Inhibitors	5	3

Malondialdehyde Down-regulation	5	3
Immunostimulatory	4	2
NF-kappaB Inhibitor	4	2
Neuroprotective Agents	4	2
Apoptotic	3	2
Glutathione Upregulation	3	2
Angiogenesis Inducing Agents	2	1
Anti-Allergic Agents	2	1
Anticonvulsants	2	1
Antineoplastic Agents	2	1
Cyclooxygenase 2 Inhibitors	2	1
Galactagogue	2	1
Hepatoprotective	2	1
Interleukin-1 beta downregulation	2	1
Interleukin-6 Downregulation	2	1
Renoprotective	2	1
Vascular Endothelial Growth Factor A Enhancer	2	1
Antiviral Agents	1	1
Cytoprotective	1	1
Interleukin-8 downregulation	1	1

53 Relevant Results for Substances

Substance Name	Cumulative Knowledge	Article Count
Pycnogenol (Pine Bark)	41	5
Omega-3 Fatty Acids	40	4
Glutamine	33	5
Beta-hydroxy-beta-methylbutyrate	30	3
Citrulline	30	3

Lysine	23	5
Testosterone	20	2
Vitamin B-12	20	2
Coconut	14	3
Coconut Protein	14	3
Garlic	13	3
Selenium	13	3
Carnitine	12	2
Folic Acid	12	2
NAC (N-acetyl-L-cysteine)	11	2
Acetyl-L-carnitine	10	1
Amino Acids: Branched Chain	10	1
B-complex	10	1
Carnitine: propionyl-L-carnitine	10	1
Coconut Oil	10	1
Flavonoids	10	1
Ginkgo biloba	10	1
Ginseng	10	1
Legumes	10	1
Magnesium	10	1
Niacin	10	1
Ribonucleic acid (RNA)	10	1
Vitamin B-6	10	1
Yohimbe	10	1
Vitamin C	5	5
CLA (Conjugated Linoleic Acid)	2	1
Caffeine	2	1
Histidine	2	1

Isoflavones	2	1
Nitrite	2	1
Proline	2	2
Beet	1	1
Cocoa	1	1
Coenzyme Q10	1	1
Copper	1	1
Curcumin	1	1
Cysteine (see N-Acetylcysteine)	1	1
Garlic: Aged	1	1
Green Tea	1	1
Manganese	1	1
Melatonin	1	1
Polyphenols	1	1
Potassium	1	1
Protein Supplement	1	1
Resveratrol	1	1
SAMe (S-adenosylmethionine)	1	1
Vitamin D	1	1
Zinc	1	1

21 Relevant Results for Keywords		
Keyword Name	Cumulative Knowledge	Article Count
Plant Extracts	46	7
Drug Synergy	16	4
Cycling	10	1
High-Fat Diet	10	1
Phytotherapy	10	1

Sex Hormone-Binding Globulin	10	1
Strength Training	10	1
Anti-Obesity Agents	2	1
Beta Cell Regeneration	2	1
Drugs: Calcium Channel Blockers	2	1
Endothelial Progenitor Cells	2	1
Endothelial Progenitor Cells (EPCs)	2	1
Muscle Regeneration	2	1
Natural Substance Synergy	2	1
Natural Substances Versus Drugs	2	1
Antineoplastic Agents	1	1
Gene Expression	1	1
Mitochondrial Biogenesis	1	1
Myelination	1	1
Remyelination	1	1
Stilbenes	1	1

1 Relevant Result for Therapeutic Actions

Therapeutic Action Name	Cumulative Knowledge	Article Count
Exercise: Cycling	10	1

1 Relevant Result for Problem Substances

Problem Substance Name	Cumulative Knowledge	Article Count
Ethanol	1	1

View the Evidence.

175 Research Articles in Total.

Category : Diseases

AIDS (AC 1) (CK 10)

Oral supplementation with a combination of beta-hydroxy-beta-methylbutyrate, arginine, and glutamine ameliorates AIDS virus associated wasting.

Pubmed Data : JPEN J Parenter Enteral Nutr. 2000 May-Jun;24(3):133-9. PMID: [10850936](#)

Article Published Date : May 01, 2000

Authors : R H Clark, G Feleke, M Din, T Yasmin, G Singh, F A Khan, J A Rathmacher

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176) , [Beta-hydroxy-beta-methylbutyrate](#) : CK(30) : AC(3) , [Glutamine](#) : CK(123) : AC(24)

Diseases : [AIDS](#) : CK(79) : AC(13)

Abdominal Obesity (Midsection Fat) (AC 2) (CK 12)

A low calorie diet enriched with legumes, L-arginine and selenium reduces abdominal obesity in premenopausal women.

Pubmed Data : J Res Med Sci. 2010 Nov;15(6):331-43. PMID: [21526106](#)

Article Published Date : Nov 01, 2010

Authors : Mohammad Alizadeh, Sevana Daneghian, Aida Ghaffari, Alireza Ostadrahimi, Abdolrasoul Safaeiyan, Rassul Estakhri, Bahram Pourghasem Gargari

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176) , [Legumes](#) : CK(66) : AC(8) , [Selenium](#) : CK(784) : AC(139)

Diseases : [Abdominal Obesity \(Midsection Fat\)](#) : CK(458) : AC(66)

Dietary L-arginine supplementation reduces fat mass in Zucker diabetic fatty rats.

Pubmed Data : J Nutr. 2005 Apr;135(4):714-21. PMID: [15795423](#)

Article Published Date : Apr 01, 2005

Authors : Wenjiang J Fu, Tony E Haynes, Ripla Kohli, Jianbo Hu, Wenjuan Shi, Thomas E Spencer, Raymond J Carroll, Cynthia J Meiningner, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Abdominal Obesity (Midsection Fat) : CK(458) : AC(66) , Diabetes Mellitus: Type 2 : CK(3374) : AC(594), Obesity : CK(2169) : AC(458)

Pharmacological Actions : Lipolytic : CK(45) : AC(16)

Advanced Glycation End products (AGE) (AC 1) (CK 2)

Astragalosides isolated from astragalus roots inhibit the formation of advanced glycation end products.

Pubmed Data : J Agric Food Chem. 2009 Sep 9;57(17):7666-72. PMID: [19681610](#)

Article Published Date : Sep 09, 2009

Authors : Keita Motomura, Yukio Fujiwara, Naoko Kiyota, Keiichiro Tsurushima, Motohiro Takeya, Toshihiro Nohara, Ryoji Nagai, Tsuyoshi Ikeda

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Advanced Glycation End products (AGE) : CK(231) : AC(73)

Additional Keywords : Plant Extracts : CK(7309) : AC(2424)

Aging (AC 3) (CK 5)

A selenium/arginine mixture prevents chemically-induced immunosuppression and accelerated aging.

Pubmed Data : Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2007 Dec;23(12):1126-9. PMID: [18062883](#)

Article Published Date : Dec 01, 2007

Authors : Yan-Hong Ma, An-Jun Liu, Guo-Rong Zhang, Jing Lang

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Selenium : CK(784) : AC(139)

Diseases : Aging : CK(1593) : AC(430), Aging: Immunosenescence : CK(52) : AC(13), Immune Disorders: Low Immune Function : CK(489) : AC(118)

Pharmacological Actions : Antiproliferative : CK(2467) : AC(1677), Immunomodulatory : CK(1284) : AC(355)

Long-term dietary supplementation with L-arginine prevents age-related reduction in renal function.

Pubmed Data : Am J Physiol. 1997 Jun;272(6 Pt 2):R1768-74. PMID: [9227589](#)

Article Published Date : Jun 01, 1997

Authors : J F Reckelhoff, J A Kellum, L C Racusen, D A Hildebrandt

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aging : CK(1603) : AC(431), Kidney Damage : CK(191) : AC(63), Kidney Diseases : CK(501) : AC(84)

Pharmacological Actions : Renoprotective : CK(554) : AC(245)

Meta-Analysis: L-arginine has a wide range of potential therapeutic applications.

Pubmed Data : J Med. 1999;30(3-4):131-48. PMID: [17312667](#)

Article Published Date : Jan 01, 1999

Authors : E Z Fisman, A Tenenbaum, I Shapira, A Pines, M Motro

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aging : CK(1593) : AC(430), Coronary Artery Disease : CK(1468) : AC(155), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Heart Failure : CK(908) : AC(123), Hypercholesterolemia : CK(1426) : AC(226), Peripheral Vascular Diseases : CK(221) : AC(23), Smoking : CK(676) : AC(102)

Aging: Immunosenescence (AC 1) (CK 2)

A selenium/arginine mixture prevents chemically-induced immunosuppression and accelerated aging.

Pubmed Data : Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2007 Dec;23(12):1126-9. PMID: [18062883](#)

Article Published Date : Dec 01, 2007

Authors : Yan-Hong Ma, An-Jun Liu, Guo-Rong Zhang, Jing Lang

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Selenium : CK(784) : AC(139)

Diseases : Aging : CK(1593) : AC(430), Aging: Immunosenescence : CK(52) : AC(13), Immune Disorders: Low Immune Function : CK(489) : AC(118)

Pharmacological Actions : Antiproliferative : CK(2467) : AC(1677), Immunomodulatory : CK(1284) : AC(355)

Alcohol Toxicity (AC 2) (CK 3)

Arginine could help protect yeast cells from ethanol damage.

Pubmed Data : Sci Rep. 2016 ;6:31311. Epub 2016 Aug 10. PMID: [27507154](#)

Article Published Date : Dec 31, 2015

Authors : Yanfei Cheng, Zhaoli Du, Hui Zhu, Xuena Guo, Xiuping He

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Alcohol Toxicity : CK(295) : AC(120)

Pharmacological Actions : Cytoprotective : CK(182) : AC(90)

Additional Keywords : Gene Expression : CK(92) : AC(45)

Problem Substances : Ethanol : CK(22) : AC(7)

Coconut may lower cholesterol and improve lipid metabolism in alcohol-induced hyperlipidemic rats due to

its high arginine content.

Pubmed Data : Indian J Exp Biol. 2004 Jan;42(1):53-7. PMID: [15274481](#)

Article Published Date : Jan 01, 2004

Authors : S Mini, T Rajamohan

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Coconut](#) : CK(404) : AC(75), [Coconut Protein](#) : CK(14) : AC(3)

Diseases : [Alcohol Toxicity](#) : CK(295) : AC(120), [Hyperlipidemia](#) : CK(645) : AC(150)

Pharmacological Actions : [Hypolipidemic](#) : CK(1159) : AC(245)

Additional Keywords : [Plant Extracts](#) : CK(7309) : AC(2424)

Alcoholic Liver Disease (AC 1) (CK 2)

Arginine reverses ethanol-induced inflammatory and fibrotic changes in liver despite continued ethanol administration.

Pubmed Data : J Pharmacol Exp Ther. 2001 Dec;299(3):832-9. PMID: [11714866](#)

Article Published Date : Dec 01, 2001

Authors : A A Nanji, K Jokelainen, G K Lau, A Rahemtulla, G L Tipoe, R Polavarapu, E N Lalani

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Alcoholic Liver Disease](#) : CK(152) : AC(61), [Inflammation](#) : CK(2870) : AC(843), [Liver Fibrosis](#) : CK(222) : AC(100)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(451) : AC(269), [NF-kappaB Inhibitor](#) : CK(1110) : AC(691), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1760) : AC(645)

Allergic Airway Diseases (AC 2) (CK 4)

L-arginine may have a beneficial effect on airway

hyperresponsiveness and airway inflammation in asthma.

Pubmed Data : J Allergy Clin Immunol. 2010 Mar;125(3):626-35. Epub 2010 Feb 11. PMID: [20153031](#)

Article Published Date : Mar 01, 2010

Authors : Ulaganathan Mabalirajan, Tanveer Ahmad, Geeta Devi Leishangthem, Duraisamy Arul Joseph, Amit Kumar Dinda, Anurag Agrawal, Balaram Ghosh

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25), [Asthma](#) : CK(1146) : AC(188), [Bronchial Asthma](#) : CK(1229) : AC(186), [Inflammation](#) : CK(2880) : AC(844), [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine may have a role in reducing airway hyperactivity.

Pubmed Data : Gen Physiol Biophys. 2008 Jun;27(2):85-91. PMID: [18645222](#)

Article Published Date : Jun 01, 2008

Authors : A Strapková, M Antosová, G Nosálová

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25)

Pharmacological Actions : [Anti-Allergic Agents](#) : CK(167) : AC(61)

Alloxan toxicity (AC 1) (CK 2)

L-arginine has a beneficial effect on the nitric-oxide producing pathway in rats treated with alloxan.

Pubmed Data : J Physiol. 2007 Nov 1;584(Pt 3):921-33. Epub 2007 Aug 23. PMID: [17717015](#)

Article Published Date : Nov 01, 2007

Authors : Ana Vasilijevic, Biljana Buzadzic, Aleksandra Korac, Vesna Petrovic, Aleksandra Jankovic, Bato Korac

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : Alloxan toxicity : CK(14) : AC(7), Diabetes Mellitus: Type 1 : CK(1074) : AC(283)
Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), NF-kappaB Inhibitor : CK(1110) : AC(691), Nitric Oxide Enhancer : CK(189) : AC(46)
Additional Keywords : Beta Cell Regeneration : CK(78) : AC(29)

Alzheimer's Disease (AC 1) (CK 1)

L-arginine may have a therapeutic role in Alzheimer's disease.

Pubmed Data : Int J Clin Exp Pathol. 2009;2(3):211-38. Epub 2008 Oct 2. PMID: [19079617](#)

Article Published Date : Jan 01, 2009

Authors : Jing Yi, Laura L Horky, Avi L Friedlich, Ying Shi, Jack T Rogers, Xudong Huang

Study Type : Review

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Alzheimer's Disease : CK(1284) : AC(377)

Ammonia: Elevated (AC 1) (CK 10)

L-arginine reduces exercise-induced increase in plasma lactate and ammonia.

Pubmed Data : Int J Sports Med. 2002 Aug;23(6):403-7. PMID: [12215958](#)

Article Published Date : Aug 01, 2002

Authors : A Schaefer, F Piquard, B Geny, S Doutreleau, E Lampert, B Mettauer, J Lonsdorfer

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Ammonia: Elevated : CK(87) : AC(16)

Amyotrophic Lateral Sclerosis (AC 1) (CK 2)

L-arginine has potent in vitro and in vivo neuroprotective properties and may be a candidate for therapeutic trials in ALS.

Pubmed Data : Biochem Biophys Res Commun. 2009 Jul 10;384(4):524-9. Epub 2009 May 8. PMID: [19427829](#)

Article Published Date : Jul 10, 2009

Authors : Junghee Lee, Hoon Ryu, Neil W Kowall

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Amyotrophic Lateral Sclerosis](#) : CK(567) : AC(140)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(2243) : AC(1057) , [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171)

Anorexia (AC 1) (CK 10)

L-arginine supplementation has a positive effect on elevated platelet NO production in anorexia.

Pubmed Data : Int J Eat Disord. 2009 Jun 19. PMID: [19544555](#)

Article Published Date : Jun 19, 2009

Authors : Arianna Vignini, Monica D'Angelo, Laura Nanetti, Maria Angela Camilloni, Anna Maria Cester, Emanuela Faloia, Eleonora Salvolini, Laura Mazzanti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Anorexia](#) : CK(73) : AC(9)

Anxiety Disorders (AC 2) (CK 20)

Oral treatment with L-lysine and L-arginine reduces anxiety and basal cortisol levels in healthy humans.

Pubmed Data : Biomed Res. 2007 Apr;28(2):85-90. PMID: [17510493](#)

Article Published Date : Apr 01, 2007

Authors : Miro Smriga, Toshihiko Ando, Masahisa Akutsu, Yasushi Furukawa, Kiyoshi Miwa, Yasushi Morinaga

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [Lysine](#) : CK(83) : AC(23)

Diseases : [Anxiety Disorders](#) : CK(1215) : AC(180), [Cortisol: High](#) : CK(564) : AC(66)

Pharmacological Actions : [Anxiolytic](#) : CK(369) : AC(56)

Subchronic treatment with amino acid mixture of L-lysine and L-arginine may have ameliorative value during psychosocial stress.

Pubmed Data : Nutr Neurosci. 2005 Jun;8(3):155-60. PMID: [16117182](#)

Article Published Date : Jun 01, 2005

Authors : Daniela Jezova, Aikaterini Makatsori, Miro Smriga, Yasushi Morinaga, Roman Duncko

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [Lysine](#) : CK(83) : AC(23)

Diseases : [Anxiety Disorders](#) : CK(1215) : AC(180)

Pharmacological Actions : [Anxiolytic](#) : CK(369) : AC(56)

Aortic Plaques (AC 1) (CK 2)

L-arginine prevents endothelial dysfunction in a hypercholesterolemic rabbit model.

Pubmed Data : Lipids Health Dis. 2008;7:27. Epub 2008 Aug 2. PMID: [18673573](#)

Article Published Date : Jan 01, 2008

Authors : Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Plaques](#) : CK(27) : AC(10), [Aortic Stenosis](#) : CK(42) : AC(9), [Atherosclerosis](#) : CK(579) : AC(147), [Endothelial Dysfunction](#) : CK(1166) : AC(231), [High Cholesterol](#) : CK(1754) : AC(265), [Intima Media Thickening](#) : CK(153) : AC(34)

Pharmacological Actions : [Apoptotic](#) : CK(2949) : AC(2068), [Cardioprotective](#) : CK(1581) : AC(405)

Aortic Stenosis (AC 2) (CK 4)

L-arginine has a cardioprotective effect in an experimental model of hypercholesterolemic rabbits aorta.

Pubmed Data : Pathophysiology. 2009 Jun;16(1):9-13. Epub 2009 Jan 24. PMID: [19168337](#)

Article Published Date : Jun 01, 2009

Authors : Shaghayegh Haghjooy Javanmard, Mehdi Nematbakhsh, Farzaneh Mahmoodi, Mohamad Reza Mohajeri

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Stenosis](#) : CK(42) : AC(9), [Arterial Plaque](#) : CK(77) : AC(20), [Hypercholesterolemia](#) : CK(1426) : AC(226)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine prevents endothelial dysfunction in a hypercholesterolemic rabbit model.

Pubmed Data : Lipids Health Dis. 2008;7:27. Epub 2008 Aug 2. PMID: [18673573](#)

Article Published Date : Jan 01, 2008

Authors : Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Plaques](#) : CK(27) : AC(10), [Aortic Stenosis](#) : CK(42) : AC(9), [Atherosclerosis](#) : CK(579)

: AC(147), Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Intima Media Thickening : CK(153) : AC(34)
Pharmacological Actions : Apoptotic : CK(2949) : AC(2068), Cardioprotective : CK(1581) : AC(405)

Arterial Calcification (AC 1) (CK 10)

Aged garlic extract supplemented with B vitamins, folic acid and L-arginine retards the progression of subclinical atherosclerosis.

Pubmed Data : Breast Cancer Res Treat. 2004 Feb;83(3):221-31. PMID: [19573556](#)

Article Published Date : Feb 01, 2004

Authors : Matthew J Budoff, Naser Ahmadi, Khawar M Gul, Sandy T Liu, Ferdinand R Flores, Jima Tiano, Junichiro Takasu, Elizabeth Miller, Sotirios Tsimikas

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), B-complex : CK(268) : AC(31), Garlic : CK(712) : AC(225), Vitamin B-12 : CK(780) : AC(104)

Diseases : Arterial Calcification : CK(186) : AC(29), Atherosclerosis : CK(579) : AC(147), Hypertension : CK(2843) : AC(395)

Pharmacological Actions : Cardioprotective : CK(1581) : AC(405)

Additional Keywords : Plant Extracts : CK(7304) : AC(2423)

Arterial Hardening: Elasticity (AC 1) (CK 10)

Short-term treatment with L-arginine prevents the smoking-induced impairment of endothelial function and vascular elastic properties in young individuals.

Pubmed Data : Int J Cardiol. 2008 Jun 6;126(3):394-9. Epub 2007 Jun 22. PMID: [17588688](#)

Article Published Date : Jun 06, 2008

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Ioannis Andreou, Kostas Zisimos, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Arterial Hardening: Elasticity](#) : CK(186) : AC(21), [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Smoking](#) : CK(676) : AC(102), [Tobacco Toxicity](#) : CK(106) : AC(18)

Arterial Plaque (AC 1) (CK 2)

L-arginine has a cardioprotective effect in an experimental model of hypercholesterolemic rabbits aorta.

Pubmed Data : Pathophysiology. 2009 Jun;16(1):9-13. Epub 2009 Jan 24. PMID: [19168337](#)

Article Published Date : Jun 01, 2009

Authors : Shaghayegh Haghjooy Javanmard, Mehdi Nematbakhsh, Farzaneh Mahmoodi, Mohamad Reza Mohajeri

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Stenosis](#) : CK(42) : AC(9), [Arterial Plaque](#) : CK(77) : AC(20), [Hypercholesterolemia](#) : CK(1426) : AC(226)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Asthenozoospermia (AC 1) (CK 10)

Treatment with carnitine, acetyl carnitine, L-arginine and ginseng improves sperm motility and sexual health in men with asthenopermia.

Pubmed Data : Minerva Urol Nefrol. 2010 Sep;62(3):213-8. PMID: [20940690](#)

Article Published Date : Sep 01, 2010

Authors : G Morgante, V Scolaro, C Tosti, A Di Sabatino, P Piomboni, V De Leo

Study Type : Human Study

Additional Links

Substances : [Acetyl-L-carnitine](#) : CK(211) : AC(36), [Arginine](#) : CK(1012) : AC(176), [Carnitine](#) : CK(436) : AC(67), [Ginseng](#) : CK(473) : AC(133)

Diseases : [Asthenozoospermia](#) : CK(62) : AC(9), [Sperm Quality: Low](#) : CK(218) : AC(46)

Asthma (AC 1) (CK 2)

L-arginine may have a beneficial effect on airway hyperresponsiveness and airway inflammation in asthma.

Pubmed Data : J Allergy Clin Immunol. 2010 Mar;125(3):626-35. Epub 2010 Feb 11. PMID: [20153031](#)

Article Published Date : Mar 01, 2010

Authors : Ulaganathan Mabalirajan, Tanveer Ahmad, Geeta Devi Leishangthem, Duraisamy Arul Joseph, Amit Kumar Dinda, Anurag Agrawal, Balaram Ghosh

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25), [Asthma](#) : CK(1146) : AC(188), [Bronchial Asthma](#) : CK(1229) : AC(186), [Inflammation](#) : CK(2880) : AC(844), [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Atheroma (AC 2) (CK 4)

Arginine may help to prevent atheroma development, in combination with cholesterol reduction.

Pubmed Data : Ann Vasc Surg. 1999 Sep;13(5):484-93. PMID: [10466992](#)

Article Published Date : Sep 01, 1999

Authors : M G Davies, G J Fulton, T T Huynh, L Barber, E Svendsen, P O Hagen

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Atheroma](#) : CK(7) : AC(4), [Atherosclerosis](#) : CK(579) : AC(147), [Hyperlipidemia](#) : CK(645) : AC(150)

Pharmacological Actions : [Hypolipidemic](#) : CK(1159) : AC(245)

Arginine reduces atheroma (plaque) formation in rabbit vein grafts.

Pubmed Data : J Surg Res. 1995 Jul;59(1):35-42. PMID: [7630134](#)

Article Published Date : Jul 01, 1995

Authors : M G Davies, H Dalen, J H Kim, L Barber, E Svendsen, P O Hagen

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Atheroma](#) : CK(7) : AC(4), [Atherosclerosis](#) : CK(579) : AC(147), [Intima Media Thickening](#) : CK(153) : AC(34)

Atherosclerosis (AC 7) (CK 30)

Aged garlic extract supplemented with B vitamins, folic acid and L-arginine retards the progression of subclinical atherosclerosis.

Pubmed Data : Breast Cancer Res Treat. 2004 Feb;83(3):221-31. PMID: [19573556](#)

Article Published Date : Feb 01, 2004

Authors : Matthew J Budoff, Naser Ahmadi, Khawar M Gul, Sandy T Liu, Ferdinand R Flores, Jima Tiano, Junichiro Takasu, Elizabeth Miller, Sotirios Tsimikas

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [B-complex](#) : CK(268) : AC(31), [Garlic](#) : CK(712) : AC(225), [Vitamin B-12](#) : CK(780) : AC(104)

Diseases : [Arterial Calcification](#) : CK(186) : AC(29), [Atherosclerosis](#) : CK(579) : AC(147), [Hypertension](#) : CK(2843) : AC(395)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405)

Additional Keywords : [Plant Extracts](#) : CK(7304) : AC(2423)

Arginine may help to prevent atheroma development, in combination with cholesterol reduction.

Pubmed Data : Ann Vasc Surg. 1999 Sep;13(5):484-93. PMID: [10466992](#)

Article Published Date : Sep 01, 1999

Authors : M G Davies, G J Fulton, T T Huynh, L Barber, E Svendsen, P O Hagen

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atheroma : CK(7) : AC(4), Atherosclerosis : CK(579) : AC(147), Hyperlipidemia : CK(645) : AC(150)

Pharmacological Actions : Hypolipidemic : CK(1159) : AC(245)

Arginine may work synergistically with statin drugs to prevent atherosclerosis development.

Pubmed Data : Ann Biol Clin (Paris). 2005 Sep-Oct;63(5):443-55. PMID: [16230278](#)

Article Published Date : Sep 01, 2005

Authors : C Rasmusen, L Cynober, R Couderc

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atherosclerosis : CK(579) : AC(147)

Pharmacological Actions : Anticholesteremic Agents : CK(1234) : AC(229), Nitric Oxide Enhancer : CK(189) : AC(46)

Additional Keywords : Drug Synergy : CK(351) : AC(156)

Arginine reduces atheroma (plaque) formation in rabbit vein grafts.

Pubmed Data : J Surg Res. 1995 Jul;59(1):35-42. PMID: [7630134](#)

Article Published Date : Jul 01, 1995

Authors : M G Davies, H Dalen, J H Kim, L Barber, E Svendsen, P O Hagen

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atheroma : CK(7) : AC(4), Atherosclerosis : CK(579) : AC(147), Intima Media Thickening : CK(153) : AC(34)

L-Arginine, the substrate for NO synthesis, may be an alternative treatment for premature atherosclerosis.

Pubmed Data : Int J Cardiol. 2007 Apr 4;116(3):300-8. Epub 2006 Jul 24. PMID: [16860889](#)

Article Published Date : Apr 04, 2007

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Antoniades, Elli Stefanadi, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Atherosclerosis](#) : CK(579) : AC(147), [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151), [Cardiovascular Agents](#) : CK(160) : AC(24), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine increases circulating endothelial progenitor cells in hypercholesterolemic rabbits.

Pubmed Data : Int J Cardiol. 2010 Aug 20;143(2):213-6. Epub 2009 Jan 24. PMID: [19167766](#)

Article Published Date : Aug 20, 2010

Authors : Shaghayegh Haghjooy Javanmard, Yousof Gheisari, Masoud Soleimani, Mehdi Nematbakhsh, Alireza Monajemi

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Atherosclerosis](#) : CK(579) : AC(147), [High Cholesterol](#) : CK(1754) : AC(265)

Additional Keywords : [Endothelial Progenitor Cells \(EPCs\)](#) : CK(2) : AC(1)

L-arginine prevents endothelial dysfunction in a hypercholesterolemic rabbit model.

Pubmed Data : Lipids Health Dis. 2008;7:27. Epub 2008 Aug 2. PMID: [18673573](#)

Article Published Date : Jan 01, 2008

Authors : Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Plaques](#) : CK(27) : AC(10), [Aortic Stenosis](#) : CK(42) : AC(9), [Atherosclerosis](#) : CK(579) : AC(147), [Endothelial Dysfunction](#) : CK(1166) : AC(231), [High Cholesterol](#) : CK(1754) : AC(265), [Intima Media Thickening](#) : CK(153) : AC(34)

Pharmacological Actions : [Apoptotic](#) : CK(2949) : AC(2068), [Cardioprotective](#) : CK(1581) : AC(405)

Athletic Performance (AC 4) (CK 40)

Acute L-arginine supplementation reduces the O2 cost of moderate-intensity exercise and enhances high-intensity exercise tolerance.

Pubmed Data : J Appl Physiol. 2010 Nov;109(5):1394-403. Epub 2010 Aug 19. PMID: [20724562](#)

Article Published Date : Nov 01, 2010

Authors : Stephen J Bailey, Paul G Winyard, Anni Vanhatalo, Jamie R Blackwell, Fred J DiMenna, Daryl P Wilkerson, Andrew M Jones

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Athletic Performance](#) : CK(583) : AC(73)

Arginine and ornithine supplementation increases growth hormone and insulin-like growth factor-1 serum levels after heavy-resistance exercise in strength-trained athletes.

Pubmed Data : J Strength Cond Res. 2010 Apr;24(4):1082-90. PMID: [20300016](#)

Article Published Date : Apr 01, 2010

Authors : Adam Zajac, Stanisław Poprzecki, Aleksandra Zebrowska, Małgorzata Chalimoniuk, Jozef Langfort

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Athletic Performance](#) : CK(583) : AC(73) , [Insulin-Like Growth Factor \(IGF\): Low](#) : CK(20) : AC(2) , [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Secretagogue](#) : CK(178) : AC(38)

Additional Keywords : [Strength Training](#) : CK(10) : AC(1)

Dietary arginine supplementation speeds pulmonary VO2 kinetics during cycle exercise.

Pubmed Data : Med Sci Sports Exerc. 2009 Aug;41(8):1626-32. PMID: [19568197](#)

Article Published Date : Aug 01, 2009

Authors : Katrien Koppo, Youri E Taes, Andries Pottier, Jan Boone, Jacques Bouckaert, Wim Derave

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Athletic Performance](#) : CK(583) : AC(73)

Therapeutic Actions : [Exercise: Cycling](#) : CK(133) : AC(14)

Additional Keywords : [Cycling](#) : CK(10) : AC(1)

L-arginine supplements increase the physical working capacity at the fatigue threshold.

Pubmed Data : J Strength Cond Res. 2010 May;24(5):1306-12. PMID: [20386475](#)

Article Published Date : May 01, 2010

Authors : Clayton L Camic, Terry J Housh, Jorge M Zuniga, Russell C Hendrix, Michelle Mielke, Glen O Johnson, Richard J Schmidt

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Athletic Performance](#) : CK(583) : AC(73)

Pharmacological Actions : [Ergogenic](#) : CK(43) : AC(6)

Brain Inflammation (AC 1) (CK 2)

L-arginine causes amelioration of cerebrovascular dysfunction and brain inflammation during experimental heatstroke.

Pubmed Data : Shock. 2008 Feb;29(2):212-6. PMID: [17693925](#)

Article Published Date : Feb 01, 2008

Authors : Yen-Chia Chen, Yu-Chi Liu, David Hung-Tsang Yen, Lee-Min Wang, Chun-I Huang, Chen-Hsen Lee, Mao-Tsun Lin

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Brain Inflammation](#) : CK(248) : AC(141), [Heat Stroke](#) : CK(5) : AC(2)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(460) : AC(203), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1760) : AC(645)

Bronchial Asthma (AC 1) (CK 2)

L-arginine may have a beneficial effect on airway hyperresponsiveness and airway inflammation in asthma.

Pubmed Data : J Allergy Clin Immunol. 2010 Mar;125(3):626-35. Epub 2010 Feb 11. PMID: [20153031](#)

Article Published Date : Mar 01, 2010

Authors : Ulaganathan Mabalirajan, Tanveer Ahmad, Geeta Devi Leishangthem, Duraisamy Arul Joseph, Amit Kumar Dinda, Anurag Agrawal, Balaram Ghosh

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25), [Asthma](#) : CK(1146) : AC(188), [Bronchial Asthma](#) : CK(1229) : AC(186), [Inflammation](#) : CK(2880) : AC(844), [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Buerger Disease (AC 1) (CK 10)

L-arginine, folic acid, B6 and B12 may have therapeutic benefit in Buerger's disease.

Pubmed Data : Clin Appl Thromb Hemost. 2006 Oct;12(4):427-39. PMID: [17000887](#)

Article Published Date : Oct 01, 2006

Authors : Charles J Glueck, Mofiz Haque, Magdalena Winarska, Swapna Dharashivkar, Robert N Fontaine, Binghua Zhu, Ping Wang

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [Folic Acid](#) : CK(643) : AC(93), [Vitamin B-12](#) : CK(780) : AC(104), [Vitamin B-6](#) : CK(435) : AC(54)

Diseases : [Buerger Disease](#) : CK(10) : AC(1)

Burns (AC 1) (CK 2)

L-arginine attenuates acute lung injury after smoke inhalation and burn injury in sheep.

Pubmed Data : Shock. 2007 Oct;28(4):477-83. PMID: [17558346](#)

Article Published Date : Oct 01, 2007

Authors : Kazunori Murakami, Perenlei Enkhbaatar, Yong-Ming Yu, Lillian D Traber, Robert A Cox, Hal K Hawkins, Ronald G Tompkins, David Herndon, Daniel L Traber

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Burns : CK(79) : AC(30) , Lung Injury: Acute : CK(34) : AC(17) , Lung Injury: Smoke-Induced : CK(10) : AC(4)

C-Reactive Protein (AC 2) (CK 20)

An omega-3 fatty acid and L-arginine supplement improves blood protein concentrations and reduces C-reactive protein in postsurgical patients with head and neck cancer.

Pubmed Data : An Med Interna. 2008 Jun;25(6):275-8. PMID: [19295974](#)

Article Published Date : Jun 01, 2008

Authors : D A de Luis, O Izaola, R Aller, M González-Sagrado, L Cuellar, M C Terroba, T Martín

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176) , Omega-3 Fatty Acids : CK(3268) : AC(387)

Diseases : C-Reactive Protein : CK(1628) : AC(171) , Laryngeal Cancer : CK(38) : AC(9) , Oral Cancer : CK(194) : AC(78)

Long-term N-acetylcysteine and L-arginine administration reduces endothelial activation and systolic blood pressure in hypertensive patients with type 2 diabetes.

Pubmed Data : Diabetes Care. 2008 May;31(5):940-4. Epub 2008 Feb 11. PMID: [18268065](#)

Article Published Date : May 01, 2008

Authors : Valentino Martina, Andi Masha, Valentina Ramella Gigliardi, Loredana Brocato, Enzo Manzato, Arrigo Berchio, Paola Massarenti, Fabio Settanni, Lara Della Casa, Stefania Bergamini, Anna Iannone

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), NAC (N-acetyl-L-cysteine) : CK(295) : AC(72)

Diseases : C-Reactive Protein : CK(1628) : AC(171), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Endothelial Dysfunction : CK(1166) : AC(231), Fibrinogen: Elevated : CK(104) : AC(12), Hypertension : CK(2843) : AC(395), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Hypoglycemic Agents : CK(1390) : AC(339), Vascular Cell Adhesion Molecule-1 Inhibitor : CK(117) : AC(30)

Cachexia (AC 2) (CK 20)

Oral supplementation with a combination of beta-hydroxy-beta-methylbutyrate, arginine, and glutamine has therapeutic value in the treatment of rheumatoid cachexia.

Pubmed Data : Clin Nutr. 2005 Jun;24(3):442-54. Epub 2005 Apr 21. PMID: [15896432](#)

Article Published Date : Jun 01, 2005

Authors : Samuele Marcora, Andrew Lemmey, Peter Maddison

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Beta-hydroxy-beta-methylbutyrate : CK(30) : AC(3), Glutamine : CK(123) : AC(24)

Diseases : Cachexia : CK(77) : AC(25), Rheumatoid Arthritis : CK(706) : AC(117)

Oral supplementation with a combination of beta-hydroxy-beta-methylbutyrate, arginine, and glutamine reverses cancer-related wasting.

Pubmed Data : Integr Cancer Ther. 2009 Dec;8(4):409-15. Epub 2009 Nov 25. PMID: [19942578](#)

Article Published Date : Dec 01, 2009

Authors : Jody E Noé

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Beta-hydroxy-beta-methylbutyrate : CK(30) : AC(3), Glutamine : CK(123) : AC(24)

Diseases : Cachexia : CK(77) : AC(25)

Cardiac noradrenergic hyperactivity (AC 1) (CK 2)

L-arginine supplementation reduces cardiac noradrenergic neurotransmission in spontaneously hypertensive rats.

Pubmed Data : J Mol Cell Cardiol. 2009 Jul;47(1):149-55. Epub 2009 Apr 9. PMID: [19362092](#)

Article Published Date : Jul 01, 2009

Authors : Chee-Wan Lee, Dan Li, Keith M Channon, David J Paterson

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Cardiac noradrenergic hyperactivity : CK(2) : AC(1), Hypertension : CK(2864) : AC(397)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Cardiovascular Diseases (AC 2) (CK 21)

Intake of red wine increases the number and functional capacity of circulating endothelial progenitor cells by enhancing nitric oxide bioavailability.

Pubmed Data : Arterioscler Thromb Vasc Biol. 2010 Apr;30(4):869-77. Epub 2010 Jan 21. PMID: [20093623](#)

Article Published Date : Apr 01, 2010

Authors : Po-Hsun Huang, Yung-Hsiang Chen, Hsiao-Ya Tsai, Jia-Shiong Chen, Tao-Cheng Wu,

Feng-Yen Lin, Masataka Sata, Jaw-Wen Chen, Shing-Jong Lin

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Resveratrol](#) : CK(1242) : AC(744)

Diseases : [Cardiovascular Diseases](#) : CK(7020) : AC(889), [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Antiproliferative](#) : CK(2467) : AC(1677), [Enzyme Inhibitors](#) : CK(463) : AC(250), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1760) : AC(645)

Additional Keywords : [Stilbenes](#) : CK(402) : AC(242)

Short-term oral l-arginine is effective at improving the fasting vascular endothelial function when the baseline fasting flow-mediated dilation is low.

Pubmed Data : Am J Clin Nutr. 2009 Jan;89(1):77-84. Epub 2008 Dec 3. PMID: [19056561](#)

Article Published Date : Jan 01, 2009

Authors : Yongyi Bai, Lan Sun, Tao Yang, Kai Sun, Jingzhou Chen, Rutai Hui

Study Type : Meta Analysis

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Cardiovascular Diseases](#) : CK(7020) : AC(889), [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Vasodilator Agents](#) : CK(342) : AC(73)

Cerebral Ischemia (AC 1) (CK 2)

L-arginine improves cerebral blood perfusion and vasomotion of microvessels following subarachnoid hemorrhage in rats.

Pubmed Data : Clin Hemorheol Microcirc. 2003;29(3-4):391-400. PMID: [14724366](#)

Article Published Date : Jan 01, 2003

Authors : Bao-Liang Sun, Su-Ming Zhang, Zuo-Li Xia, Ming-Feng Yang, Hui Yuan, Jian Zhang, Rui-Juan Xiu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Cerebral Ischemia](#) : CK(223) : AC(73), [Subarachnoid hemorrhage](#) : CK(60) : AC(9)

Chemotherapy-Induced Toxicity: Cyclophosphamide (AC 1) (CK 2)

Dietary L-arginine supplementation alleviates immunosuppression induced by cyclophosphamide in weaned pigs.

Pubmed Data : Amino Acids. 2009 Oct;37(4):643-51. Epub 2008 Sep 28. PMID: [18821052](#)

Article Published Date : Oct 01, 2009

Authors : J Han, Y L Liu, W Fan, J Chao, Y Q Hou, Y L Yin, H L Zhu, G Q Meng, Z Q Che

Study Type : Animal Study

Additional Links

Substances : [Arginine : CK\(1012\) : AC\(176\)](#)

Diseases : [Chemotherapy-Induced Toxicity: Cyclophosphamide : CK\(78\) : AC\(28\)](#)

Pharmacological Actions : [Immunostimulatory : CK\(260\) : AC\(57\)](#)

Chemotherapy-Induced Toxicity: Cisplatin (AC 1) (CK 2)

L-arginine has a protective effect against cisplatin-induced renal oxidative stress and toxicity.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2005 Aug;97(2):91-7. PMID: [15998355](#)

Article Published Date : Aug 01, 2005

Authors : Samira Saleh, Ebtehal El-Demerdash

Study Type : Animal Study

Additional Links

Substances : [Arginine : CK\(999\) : AC\(173\)](#)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin : CK\(319\) : AC\(133\)](#) , [Oxidative Stress :](#)

CK(3811) : AC(1363)

Pharmacological Actions : Antineoplastic Agents : CK(1158) : AC(639) , Antioxidants : CK(7226) : AC(2647), Enzyme Inhibitors : CK(463) : AC(250), Nitric Oxide Enhancer : CK(189) : AC(46)

Colon Surgery (AC 1) (CK 10)

Preoperative oral arginine and n-3 fatty acid supplementation improves the immunometabolic host response and outcome after colorectal resection for cancer.

Pubmed Data : Surgery. 2002 Nov;132(5):805-14. PMID: [12464864](#)

Article Published Date : Nov 01, 2002

Authors : Marco Braga, Luca Gianotti, Andrea Vignali, Valerio Di Carlo

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Omega-3 Fatty Acids : CK(3268) : AC(387)

Diseases : Colon Surgery : CK(19) : AC(6)

Congestive Heart Failure (AC 1) (CK 10)

Oral supplementation with L-arginine prolongs exercise duration In patients with chronic stable congestive heart failure.

Pubmed Data : Kardiol Pol. 2004 Apr;60(4):348-53. PMID: [15226784](#)

Article Published Date : Apr 01, 2004

Authors : Bronisław Bednarz, Tomasz Jaxa-Chamiec, Jadwiga Gebalska, Krystyna Herbaczyńska-Cedro, Leszek Ceremużyński

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Congestive Heart Failure : CK(276) : AC(34)

Coronary Artery Disease (AC 6) (CK 35)

Concomitant treatment with oral L-arginine improves the efficacy of surgical angiogenesis in patients with severe diffuse coronary artery disease.

Pubmed Data : J Thorac Cardiovasc Surg. 2008 Apr;135(4):762-70, 770.e1. Epub 2008 Mar 18.

PMID: [18374753](#)

Article Published Date : Apr 01, 2008

Authors : Marc Ruel, Robert S Beanlands, Mireille Lortie, Vincent Chan, Nancy Camack, Robert A deKemp, Erik J Suuronen, Fraser D Rubens, Jean N DaSilva, Frank W Sellke, Duncan J Stewart, Thierry G Mesana

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Coronary Bypass Surgery : CK(122) : AC(14)

Pharmacological Actions : Vascular Endothelial Growth Factor A Inhibitor : CK(132) : AC(71)

L-arginine protects against ischemia/reperfusion-induced endothelial dysfunction in patients with type 2 diabetes mellitus and coronary artery disease.

Pubmed Data : Atherosclerosis. 2009 May;204(1):73-8. Epub 2008 Sep 4. PMID: [18849028](#)

Article Published Date : May 01, 2009

Authors : M Settergren, F Böhm, R E Malmström, K M Channon, J Pernow

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Diabetes: Cardiovascular Illness : CK(690) : AC(106), Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Cardiovascular Agents : CK(160) : AC(24) , Vasodilator Agents : CK(342) : AC(73)

L-arginine potentiates exercise-induced increases in endothelial progenitor cells and VEGF serum levels

Pubmed Data : Int J Cardiol. 2008 Jun 6;126(3):421-3. Epub 2008 Feb 19. PMID: [18243372](#)

Article Published Date : Jun 06, 2008

Authors : Carmela Fiorito, Maria Luisa Balestrieri, Ettore Crimi, Alfonso Giovane, Vincenzo Grimaldi, Pellegrino Biagio Minucci, Luigi Servillo, Francesco Paolo D'Armiento, Bartolomeo Farzati, Claudio Napoli

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155)

Pharmacological Actions : Vascular Endothelial Growth Factor A Enhancer : CK(4) : AC(2)

Additional Keywords : Endothelial Progenitor Cells : CK(8) : AC(7)

L-arginine supplementation improves postsurgical endothelial function, insulin restance and inflammation in nondiabetic patients with coronary artery disease.

Pubmed Data : Metabolism. 2009 Sep;58(9):1270-6. Epub 2009 Jul 9. PMID: [19592054](#)

Article Published Date : Sep 01, 2009

Authors : Pietro Lucotti, Lucilla Monti, Emanuela Setola, Giovanni La Canna, Alessandro Castiglioni, Alessandra Rossodivita, Maria Grazia Pala, Francesco Formica, Giovanni Paolini, Alberico Luigi Catapano, Emanuele Bosi, Ottavio Alfieri, Piermarco Piatti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Coronary Bypass Surgery : CK(122) : AC(14)

L-arginine supplementation improves endothelial function and myocardial perfusion in a swine model of chronic myocardial ischemia.

Pubmed Data : Surgery. 2005 Aug;138(2):291-8. PMID: [16153439](#)

Article Published Date : Aug 01, 2005

Authors : Yasunari Nakai, Pierre Voisine, Cesario Bianchi, Shu-Hua Xu, Jun Feng, Tamer Malik, Audrey Rosinberg, Frank W Sellke

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Myocardial Ischemia : CK(131) : AC(58)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Meta-Analysis: L-arginine has a wide range of potential therapeutic applications.

Pubmed Data : J Med. 1999;30(3-4):131-48. PMID: [17312667](#)

Article Published Date : Jan 01, 1999

Authors : E Z Fisman, A Tenenbaum, I Shapira, A Pines, M Motro

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aging : CK(1593) : AC(430), Coronary Artery Disease : CK(1468) : AC(155) , Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Heart Failure : CK(908) : AC(123) , Hypercholesterolemia : CK(1426) : AC(226), Peripheral Vascular Diseases : CK(221) : AC(23) , Smoking : CK(676) : AC(102)

Coronary Bypass Surgery (AC 2) (CK 20)

Concomitant treatment with oral L-arginine improves the efficacy of surgical angiogenesis in patients with severe diffuse coronary artery disease.

Pubmed Data : J Thorac Cardiovasc Surg. 2008 Apr;135(4):762-70, 770.e1. Epub 2008 Mar 18. PMID: [18374753](#)

Article Published Date : Apr 01, 2008

Authors : Marc Ruel, Robert S Beanlands, Mireille Lortie, Vincent Chan, Nancy Camack, Robert A deKemp, Erik J Suuronen, Fraser D Rubens, Jean N DaSilva, Frank W Sellke, Duncan J Stewart, Thierry G Mesana

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Coronary Bypass Surgery : CK(122) : AC(14)

Pharmacological Actions : Vascular Endothelial Growth Factor A Inhibitor : CK(132) : AC(71)

L-arginine supplementation improves postsurgical endothelial function, insulin resistance and inflammation in nondiabetic patients with coronary artery disease.

Pubmed Data : Metabolism. 2009 Sep;58(9):1270-6. Epub 2009 Jul 9. PMID: [19592054](#)

Article Published Date : Sep 01, 2009

Authors : Pietro Lucotti, Lucilla Monti, Emanuela Setola, Giovanni La Canna, Alessandro Castiglioni, Alessandra Rossodivita, Maria Grazia Pala, Francesco Formica, Giovanni Paolini, Alberico Luigi Catapano, Emanuele Bosi, Ottavio Alfieri, Piermarco Piatti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Coronary Artery Disease](#) : CK(1468) : AC(155) , [Coronary Bypass Surgery](#) : CK(122) : AC(14)

Cortisol: High (AC 1) (CK 10)

Oral treatment with L-lysine and L-arginine reduces anxiety and basal cortisol levels in healthy humans.

Pubmed Data : Biomed Res. 2007 Apr;28(2):85-90. PMID: [17510493](#)

Article Published Date : Apr 01, 2007

Authors : Miro Smriga, Toshihiko Ando, Masahisa Akutsu, Yasushi Furukawa, Kiyoshi Miwa, Yasushi Morinaga

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176) , [Lysine](#) : CK(83) : AC(23)

Diseases : [Anxiety Disorders](#) : CK(1215) : AC(180) , [Cortisol: High](#) : CK(564) : AC(66)

Pharmacological Actions : [Anxiolytic](#) : CK(369) : AC(56)

Creatine Transporter Defect (AC 1)

(CK 10)

Treatment with L-arginine improves neuropsychological disorders in a child with creatine transporter defect.

Pubmed Data : Neurocase. 2008;14(2):151-61. PMID: [18569740](#)

Article Published Date : Jan 01, 2008

Authors : Anna Chilosì, Vincenzo Leuzzi, Roberta Battini, Michela Tosetti, Giovanni Ferretti, Alessandro Comparini, Manuela Casarano, Elena Moretti, M Grazia Alessandri, M Cristina Bianchi, Giovanni Cioni

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Creatine Transporter Defect](#) : CK(10) : AC(1)

Crohn's Disease (AC 1) (CK 1)

Glutamine and arginine-fortified PF with curcumin might be a promising option to enhance the effectiveness and expand the scope of EEN therapy.

Pubmed Data : JPEN J Parenter Enteral Nutr. 2016 Jan 29. Epub 2016 Jan 29. PMID: [26826259](#)

Article Published Date : Jan 28, 2016

Authors : Moftah H Alhagamhmad, Andrew S Day, Daniel A Lemberg, Steven T Leach

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Curcumin](#) : CK(4132) : AC(2173), [Glutamine](#) : CK(123) : AC(24), [Vitamin D](#) : CK(3113) : AC(441)

Diseases : [Crohn's Disease](#) : CK(152) : AC(29), [Inflammatory Bowel Diseases](#) : CK(990) : AC(187)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(4541) : AC(1596), [Interleukin-8 downregulation](#) : CK(166) : AC(61)

Cystic Fibrosis (AC 2) (CK 20)

L-arginine improves exhaled nitric oxide and pulmonary function in patients with cystic fibrosis.

Pubmed Data : Am J Respir Crit Care Med. 2006 Jul 15;174(2):208-12. Epub 2006 Apr 20. PMID: [16627863](#)

Article Published Date : Jul 15, 2006

Authors : Hartmut Grasemann, Fionn Kurtz, Felix Ratjen

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Cystic Fibrosis](#) : CK(547) : AC(83)

L-arginine supplementation improve nitric oxide formation in cystic fibrosis patients who exhibit decreased levels of exhaled nitric oxide.

Pubmed Data : Eur Respir J. 2005 Jan;25(1):62-8. PMID: [15640324](#)

Article Published Date : Jan 01, 2005

Authors : H Grasemann, C Grasemann, F Kurtz, G Tietze-Schillings, U Vester, F Ratjen

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Cystic Fibrosis](#) : CK(547) : AC(83)

Demyelinating Diseases (AC 1) (CK 1)

Arginine and S-adenosylmethionine may contribute to nerve regeneration.

Pubmed Data : J Appl Physiol. 2008 Jun;104(6):1727-35. Epub 2008 Mar 6. PMID: [7941963](#)

Article Published Date : Jun 01, 2008

Authors : B Cestaro

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [SAmE \(S-adenosylmethionine\)](#) : CK(113) : AC(20)

Diseases : [Demyelinating Diseases](#) : CK(1671) : AC(332)

Additional Keywords : [Myelination](#) : CK(2) : AC(2), [Remyelination](#) : CK(16) : AC(11)

Diabetes Mellitus: Type 1 (AC 1) (CK 2)

L-arginine has a beneficial effect on the nitric-oxide producing pathway in rats treated with alloxan.

Pubmed Data : J Physiol. 2007 Nov 1;584(Pt 3):921-33. Epub 2007 Aug 23. PMID: [17717015](#)

Article Published Date : Nov 01, 2007

Authors : Ana Vasilijevic, Biljana Buzadzic, Aleksandra Korac, Vesna Petrovic, Aleksandra Jankovic, Bato Korac

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Alloxan toxicity](#) : CK(14) : AC(7), [Diabetes Mellitus: Type 1](#) : CK(1074) : AC(283)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647), [NF-kappaB Inhibitor](#) : CK(1110) : AC(691), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Additional Keywords : [Beta Cell Regeneration](#) : CK(78) : AC(29)

Diabetes Mellitus: Type 1: Prevention (AC 1) (CK 2)

L-arginine supplementation normalizes bone turnover and preserves bone mass in streptozotocin-induced diabetic rats.

Pubmed Data : J Endocrinol Invest. 2009 Jun;32(6):546-51. Epub 2009 May 5. PMID: [19494718](#)

Article Published Date : Jun 01, 2009

Authors : P Pennisi, G Clementi, A Prato, T Luca, G Martinez, R A Mangiafico, I Pulvirenti, F Muratore, C E Fiore

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 1: Prevention](#) : CK(254) : AC(49) , [Osteopenia](#) : CK(229) : AC(41) , [Osteoporosis](#) : CK(1278) : AC(242)

Diabetes Mellitus: Type 2 (AC 7) (CK 44)

Arginine may be beneficial for ameliorating vascular insulin resistance in obesity and diabetes.

Pubmed Data : Biofactors. 2009 Jan-Feb;35(1):21-7. PMID: [19319842](#)

Article Published Date : Jan 01, 2009

Authors : Guoyao Wu, Cynthia J Meininger

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593) , [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Insulin Resistance](#) : CK(1658) : AC(341) , [Obesity](#) : CK(2169) : AC(458)

Pharmacological Actions : [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

Dietary L-arginine supplementation reduces fat mass in Zucker diabetic fatty rats.

Pubmed Data : J Nutr. 2005 Apr;135(4):714-21. PMID: [15795423](#)

Article Published Date : Apr 01, 2005

Authors : Wenjiang J Fu, Tony E Haynes, Ripla Kohli, Jianbo Hu, Wenjuan Shi, Thomas E Spencer, Raymond J Carroll, Cynthia J Meininger, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Abdominal Obesity \(Midsection Fat\)](#) : CK(458) : AC(66) , [Diabetes Mellitus: Type 2](#) : CK(3374) : AC(594) , [Obesity](#) : CK(2169) : AC(458)

Pharmacological Actions : [Lipolytic](#) : CK(45) : AC(16)

L-arginine protects against ischemia/reperfusion-induced endothelial dysfunction in patients with type 2 diabetes mellitus and coronary artery disease.

Pubmed Data : Atherosclerosis. 2009 May;204(1):73-8. Epub 2008 Sep 4. PMID: [18849028](#)

Article Published Date : May 01, 2009

Authors : M Settergren, F Böhm, R E Malmström, K M Channon, J Pernow

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Diabetes: Cardiovascular Illness : CK(690) : AC(106), Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Cardiovascular Agents : CK(160) : AC(24) , Vasodilator Agents : CK(342) : AC(73)

Long-term N-acetylcysteine and L-arginine administration reduces endothelial activation and systolic blood pressure in hypertensive patients with type 2 diabetes.

Pubmed Data : Diabetes Care. 2008 May;31(5):940-4. Epub 2008 Feb 11. PMID: [18268065](#)

Article Published Date : May 01, 2008

Authors : Valentino Martina, Andi Masha, Valentina Ramella Gigliardi, Loredana Brocato, Enzo Manzato, Arrigo Berchio, Paola Massarenti, Fabio Settanni, Lara Della Casa, Stefania Bergamini, Anna Iannone

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173) , NAC (N-acetyl-L-cysteine) : CK(295) : AC(72)

Diseases : C-Reactive Protein : CK(1628) : AC(171), Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Endothelial Dysfunction : CK(1166) : AC(231) , Fibrinogen: Elevated : CK(104) : AC(12) , Hypertension : CK(2843) : AC(395), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Hypoglycemic Agents : CK(1390) : AC(339) , Vascular Cell Adhesion Molecule-1 Inhibitor : CK(117) : AC(30)

Long-term oral L-arginine administration improves peripheral and hepatic insulin sensitivity in type 2 diabetic patients.

Pubmed Data : Diabetes Care. 2001 May;24(5):875-80. PMID: [11347747](#)

Article Published Date : May 01, 2001

Authors : P M Piatti, L D Monti, G Valsecchi, F Magni, E Setola, F Marchesi, M Galli-Kienle, G Pozza, K G Alberti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Hypertension : CK(2864) : AC(397) , Insulin Resistance : CK(1658) : AC(341)

Pharmacological Actions : Hypotensive : CK(435) : AC(59) , Insulin Sensitizers : CK(347) : AC(68)

Long-term oral L-arginine treatment has a beneficial effect when added to a hypocaloric diet and exercise training program in obese, insulin-resistant type 2 diabetic patients.

Pubmed Data : Am J Physiol Endocrinol Metab. 2006 Nov;291(5):E906-12. Epub 2006 Jun 13.
PMID: [16772327](#)

Article Published Date : Nov 01, 2006

Authors : Pietro Lucotti, Emanuela Setola, Lucilla D Monti, Elena Galluccio, Sabrina Costa, Emilia P Sandoli, Isabella Fermo, Giovanni Rabaiotti, Roberto Gatti, PierMarco Piatti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Hypertension : CK(2864) : AC(397) , Insulin Resistance : CK(1658) : AC(341)

Pharmacological Actions : Insulin Sensitizers : CK(347) : AC(68)

Meta-Analysis: L-arginine has a wide range of potential therapeutic applications.

Pubmed Data : J Med. 1999;30(3-4):131-48. PMID: [17312667](#)

Article Published Date : Jan 01, 1999

Authors : E Z Fisman, A Tenenbaum, I Shapira, A Pines, M Motro

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aging : CK(1593) : AC(430) , Coronary Artery Disease : CK(1468) : AC(155) , Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Heart Failure : CK(908) : AC(123) , Hypercholesterolemia : CK(1426) : AC(226) , Peripheral Vascular Diseases : CK(221) : AC(23) , Smoking : CK(676) : AC(102)

Diabetes: Cardiovascular Illness (AC

1) (CK 10)

L-arginine protects against ischemia/reperfusion-induced endothelial dysfunction in patients with type 2 diabetes mellitus and coronary artery disease.

Pubmed Data : Atherosclerosis. 2009 May;204(1):73-8. Epub 2008 Sep 4. PMID: [18849028](#)

Article Published Date : May 01, 2009

Authors : M Settergren, F Böhm, R E Malmström, K M Channon, J Pernow

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Coronary Artery Disease](#) : CK(1468) : AC(155) , [Diabetes: Cardiovascular Illness](#) : CK(690) : AC(106), [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593) , [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Cardiovascular Agents](#) : CK(160) : AC(24) , [Vasodilator Agents](#) : CK(342) : AC(73)

Diabetes: Gastrointestinal dysfunction (AC 1) (CK 2)

L-arginine may ameliorate gastrointestinal dysfunction in diabetic rats.

Pubmed Data : Nitric Oxide. 2009 Mar;20(2):129-33. Epub 2008 Nov 18. PMID: [19041728](#)

Article Published Date : Mar 01, 2009

Authors : S N Umathe, N I Kochar, N S Jain, P V Dixit

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Diabetes: Gastrointestinal dysfunction](#) : CK(2) : AC(1)

Pharmacological Actions : [Enzyme Inhibitors](#) : CK(463) : AC(250) , [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

Diabetic Microangiopathy (AC 1) (CK 10)

Ginkgo biloba extract with arginine and magnesium can improve the dynamics of cutaneous trophism in lesions caused by diabetic and non-diabetic microangiopathy.

Pubmed Data : Minerva Cardioangiol. 1999 Jun;47(6):223-30. PMID: [10522149](#)

Article Published Date : Jun 01, 1999

Authors : C Pepe, A Rozza, G Veronesi

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Ginkgo biloba : CK(798) : AC(162), Magnesium : CK(1516) : AC(193)

Diseases : Diabetic Microangiopathy : CK(45) : AC(7)

Additional Keywords : Plant Extracts : CK(7309) : AC(2424)

Diabetic Ulcer (AC 1) (CK 10)

L-Arginine supplementation enhances diabetic wound healing.

Pubmed Data : Metabolism. 2002 Oct;51(10):1269-73. PMID: [12370845](#)

Article Published Date : Oct 01, 2002

Authors : Maria B Witte, Frank J Thornton, Udaya Tantry, Adrian Barbul

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Diabetic Ulcer : CK(155) : AC(25), Wound Healing : CK(529) : AC(160)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46)

Drug-Induced Toxicity (AC 1) (CK 10)

L-arginine appears to counteract the hypertensive properties of estradiol in patients with PCOS.

Pubmed Data : Gynecol Endocrinol. 2010 Dec;26(12):861-8. Epub 2010 Jul 20. PMID: [20642382](#)

Article Published Date : Dec 01, 2010

Authors : Cesare Battaglia, Fulvia Mancini, Bruno Battaglia, Fabio Facchinetti, Paolo G Artini, Stefano Venturoli

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Testosterone : CK(164) : AC(29)

Diseases : Drug-Induced Toxicity : CK(562) : AC(83), Estrogen Toxicity : CK(10) : AC(1), Polycystic Ovary Syndrome : CK(346) : AC(43)

Pharmacological Actions : Antihypertensive Agents : CK(1047) : AC(153)

Additional Keywords : Sex Hormone-Binding Globulin : CK(100) : AC(10)

Drug-Induced Toxicity: Cyclosporine (AC 1) (CK 2)

L-arginine prevents bone loss and bone collagen breakdown in cyclosporin A-treated rats.

Pubmed Data : Eur J Pharmacol. 2000 Nov 24;408(3):323-6. PMID: [11090650](#)

Article Published Date : Nov 24, 2000

Authors : C E Fiore, P Pennisi, V M Cutuli, A Prato, R Messina, G Clementi

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Drug-Induced Toxicity: Cyclosporine : CK(12) : AC(6), Osteoporosis: Drug-Induced : CK(30) : AC(7)

Duchenne's Muscular Dystrophy (AC 1) (CK 2)

L-arginine may have a therapeutic role to play in the treatment of Duchenne muscular dystrophy by decreasing inflammation and enhancing muscle regeneration.

Pubmed Data : Am J Pathol. 2008 Jun;172(6):1509-19. Epub 2008 May 5. PMID: [18458097](#)

Article Published Date : Jun 01, 2008

Authors : Karim Hnia, Jérôme Gayraud, Gérald Hugon, Michèle Ramonatxo, Sabine De La Porte, Stefan Matecki, Dominique Mornet

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Duchenne's Muscular Dystrophy](#) : CK(12) : AC(6) , [Muscular Dystrophies](#) : CK(26) : AC(9)

Additional Keywords : [Muscle Regeneration](#) : CK(4) : AC(2)

Endothelial Dysfunction (AC 21) (CK 154)

"Nitrite-generated NO circumvents dysregulated arginine/NOS signaling to protect against intimal hyperplasia in Sprague-Dawley rats."

Pubmed Data : J Clin Invest. 2011 Apr ;121(4):1646-56. Epub 2011 Mar 23. PMID: [21436585](#)

Article Published Date : Apr 01, 2011

Authors : Matthew J Alef, Raghuveer Vallabhaneni, Evie Carchman, Sidney M Morris, Sruti Shiva, Yinna Wang, Eric E Kelley, Margaret M Tarpey, Mark T Gladwin, Edith Tzeng, Brian S Zuckerbraun

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173) , [Nitrite](#) : CK(2) : AC(1)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Antiproliferative](#) : CK(2467) : AC(1677) , [Nitric Oxide Enhancer](#) : CK(189)

Arginine may be beneficial for ameliorating vascular insulin resistance in obesity and diabetes.

Pubmed Data : Biofactors. 2009 Jan-Feb;35(1):21-7. PMID: [19319842](#)

Article Published Date : Jan 01, 2009

Authors : Guoyao Wu, Cynthia J Meininger

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Endothelial Dysfunction : CK(1166) : AC(231), Insulin Resistance : CK(1658) : AC(341), Obesity : CK(2169) : AC(458)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Intake of red wine increases the number and functional capacity of circulating endothelial progenitor cells by enhancing nitric oxide bioavailability.

Pubmed Data : Arterioscler Thromb Vasc Biol. 2010 Apr;30(4):869-77. Epub 2010 Jan 21. PMID: [20093623](#)

Article Published Date : Apr 01, 2010

Authors : Po-Hsun Huang, Yung-Hsiang Chen, Hsiao-Ya Tsai, Jia-Shiong Chen, Tao-Cheng Wu, Feng-Yen Lin, Masataka Sata, Jaw-Wen Chen, Shing-Jong Lin

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Resveratrol : CK(1242) : AC(744)

Diseases : Cardiovascular Diseases : CK(7020) : AC(889), Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Antiproliferative : CK(2467) : AC(1677), Enzyme Inhibitors : CK(463) : AC(250), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Additional Keywords : Stilbenes : CK(402) : AC(242)

L-Arginine, the substrate for NO synthesis, may be an alternative treatment for premature atherosclerosis.

Pubmed Data : Int J Cardiol. 2007 Apr 4;116(3):300-8. Epub 2006 Jul 24. PMID: [16860889](#)

Article Published Date : Apr 04, 2007

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Antoniades, Elli Stefanadi, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atherosclerosis : CK(579) : AC(147) , Endothelial Dysfunction : CK(1166) : AC(231)
Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151) , Cardiovascular Agents : CK(160) : AC(24), Nitric Oxide Enhancer : CK(189) : AC(46)

L-arginine protects against ischemia/reperfusion-induced endothelial dysfunction in patients with type 2 diabetes mellitus and coronary artery disease.

Pubmed Data : Atherosclerosis. 2009 May;204(1):73-8. Epub 2008 Sep 4. PMID: [18849028](#)

Article Published Date : May 01, 2009

Authors : M Settergren, F Böhm, R E Malmström, K M Channon, J Pernow

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Diabetes: Cardiovascular Illness : CK(690) : AC(106), Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Cardiovascular Agents : CK(160) : AC(24) , Vasodilator Agents : CK(342) : AC(73)

L-arginine improve the NO production and prevents glomerular hypertrophy in the offspring of diabetic mothers.

Pubmed Data : Pediatr Res. 2007 Aug;62(2):145-50. PMID: [17597655](#)

Article Published Date : Aug 01, 2007

Authors : Maria de Fatima Cavanal, Guiomar Nascimento Gomes, Andre L Forti, Silvia Oliveira Rocha, Maria do Carmo Pinho Franco, Zuleica B Fortes, Frida Zaladek Gil

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231) , Gestational Diabetes : CK(76) : AC(10) , Hypertension : CK(2843) : AC(395) , Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46) , Vasodilator Agents : CK(342) : AC(73)

L-arginine improves blood pressure and vascular compliance in 29 healthy individuals.

Pubmed Data : Altern Med Rev. 2006 Mar;11(1):23-9. PMID: [16597191](#)

Article Published Date : Mar 01, 2006

Authors : Alan L Miller

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Hypertension](#) : CK(2843) : AC(395)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

L-arginine improves endothelial function and vascular elastic properties of the arterial tree during the acute phase of smoking.

Pubmed Data : Am J Hypertens. 2009 Jun;22(6):586-92. Epub 2009 Mar 19. PMID: [19300425](#)

Article Published Date : Jun 01, 2009

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Kostas Zisimos, Zoi Siasou, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Peripheral Vascular Diseases](#) : CK(221) : AC(23) , [Smoking](#) : CK(676) : AC(102) , [Tobacco Toxicity](#) : CK(106) : AC(18)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405)

L-arginine may reduce hypercholesterolemia-induced endothelial dysfunction.

Pubmed Data : Circulation. 2005 Aug 30;112(9 Suppl):I202-7. PMID: [16159817](#)

Article Published Date : Aug 30, 2005

Authors : Pierre Voisine, Jian Li, Cesario Bianchi, Tanveer A Khan, Marc Ruel, Shu-Hua Xu, Jun Feng, Audrey Rosinberg, Tamer Malik, Yasunari Nakai, Frank W Sellke

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Hypercholesterolemia](#) : CK(1426) : AC(226)

Additional Keywords : [Drug Synergy](#) : CK(351) : AC(156)

L-arginine prevents endothelial dysfunction in a hypercholesterolemic rabbit model.

Pubmed Data : Lipids Health Dis. 2008;7:27. Epub 2008 Aug 2. PMID: [18673573](#)

Article Published Date : Jan 01, 2008

Authors : Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aortic Plaques : CK(27) : AC(10), Aortic Stenosis : CK(42) : AC(9), Atherosclerosis : CK(579) : AC(147), Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Apoptotic : CK(2949) : AC(2068), Cardioprotective : CK(1581) : AC(405)

L-arginine prevents endothelial dysfunction in rats with chronic renal failure.

Pubmed Data : J Cardiovasc Pharmacol. 2007 Mar;49(3):131-9. PMID: [17414224](#)

Article Published Date : Mar 01, 2007

Authors : Kohei Yamamizu, Kazuya Shinozaki, Kazuhide Ayajiki, Munekazu Gemba, Tomio Okamura

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231), Hypertension : CK(2843) : AC(395), Kidney Failure: Chronic : CK(148) : AC(21)

Pharmacological Actions : Superoxide Dismutase Up-regulation : CK(508) : AC(171), Vasodilator Agents : CK(342) : AC(73)

Additional Keywords : Drug Synergy : CK(351) : AC(156)

L-arginine supplementation improves endothelial dysfunction in MELAS patients.

Pubmed Data : Neurology. 2006 Jun 13;66(11):1766-9. PMID: [16769961](#)

Article Published Date : Jun 13, 2006

Authors : Y Koga, Y Akita, N Junko, S Yatsuga, N Povalko, R Fukiyama, M Ishii, T Matsuishi

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231), Melas Syndrome : CK(23) : AC(3)

Pharmacological Actions : Vasodilator Agents : CK(342) : AC(73)

L-arginine supplementation improves endothelial function and myocardial perfusion in a swine model of chronic myocardial ischemia.

Pubmed Data : Surgery. 2005 Aug;138(2):291-8. PMID: [16153439](#)

Article Published Date : Aug 01, 2005

Authors : Yasunari Nakai, Pierre Voisine, Cesario Bianchi, Shu-Hua Xu, Jun Feng, Tamer Malik, Audrey Rosinberg, Frank W Sellke

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Myocardial Ischemia : CK(131) : AC(58)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Long-term N-acetylcysteine and L-arginine administration reduces endothelial activation and systolic blood pressure in hypertensive patients with type 2 diabetes.

Pubmed Data : Diabetes Care. 2008 May;31(5):940-4. Epub 2008 Feb 11. PMID: [18268065](#)

Article Published Date : May 01, 2008

Authors : Valentino Martina, Andi Masha, Valentina Ramella Gigliardi, Loredana Brocato, Enzo Manzato, Arrigo Berchio, Paola Massarenti, Fabio Settanni, Lara Della Casa, Stefania Bergamini, Anna Iannone

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), NAC (N-acetyl-L-cysteine) : CK(295) : AC(72)

Diseases : C-Reactive Protein : CK(1628) : AC(171), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Endothelial Dysfunction : CK(1166) : AC(231), Fibrinogen: Elevated : CK(104) : AC(12), Hypertension : CK(2843) : AC(395), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Hypoglycemic Agents : CK(1390) : AC(339), Vascular Cell Adhesion Molecule-1 Inhibitor : CK(117) : AC(30)

Oral L-arginine improves endothelial function in healthy individuals older than 70 years.

Pubmed Data : Vasc Med. 2003 May;8(2):77-81. PMID: [14518608](#)

Article Published Date : May 01, 2003

Authors : Stefanie M Bode-Böger, Jochen Muke, Andrzej Surdacki, Georg Brabant, Rainer H Böger, Jürgen C Frölich

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231)

Oral l-arginine improves endothelial dysfunction in patients with essential hypertension.

Pubmed Data : Int J Cardiol. 2002 Dec;86(2-3):317-23. PMID: [12419572](#)

Article Published Date : Dec 01, 2002

Authors : John P Lekakis, Sotirios Papathanassiou, Theodoros G Papaioannou, Christos M

Papamichael, Nikos Zakopoulos, Vassilios Kotsis, Anna G Dagre, Kimon Stamatelopoulos, Athanassios Protogerou, Stamatios F Stamatelopoulos

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Hypertension](#) : CK(2843) : AC(395)

Pharmokinetics-Pharmodynamics: L-arginine-induced vasodilation in healthy humans.

Pubmed Data : Br J Clin Pharmacol. 1998 Nov;46(5):489-97. PMID: [9833603](#)

Article Published Date : Nov 01, 1998

Authors : S M Bode-Böger, R H Böger, A Galland, D Tsikas, J C Frölich

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Hypertension](#) : CK(2843) : AC(395)

Pharmacological Actions : [Vasodilator Agents](#) : CK(342) : AC(73)

Short-term oral l-arginine is effective at improving the fasting vascular endothelial function when the baseline fasting flow-mediated dilation is low.

Pubmed Data : Am J Clin Nutr. 2009 Jan;89(1):77-84. Epub 2008 Dec 3. PMID: [19056561](#)

Article Published Date : Jan 01, 2009

Authors : Yongyi Bai, Lan Sun, Tao Yang, Kai Sun, Jingzhou Chen, Rutai Hui

Study Type : Meta Analysis

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Cardiovascular Diseases](#) : CK(7020) : AC(889), [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Vasodilator Agents](#) : CK(342) : AC(73)

Short-term treatment with L-arginine prevents the smoking-induced impairment of endothelial function and vascular elastic properties in young individuals.

Pubmed Data : Int J Cardiol. 2008 Jun 6;126(3):394-9. Epub 2007 Jun 22. PMID: [17588688](#)

Article Published Date : Jun 06, 2008

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Ioannis Andreou, Kostas Zisimos, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Arterial Hardening: Elasticity : CK(186) : AC(21), Endothelial Dysfunction : CK(1166) : AC(231), Smoking : CK(676) : AC(102), Tobacco Toxicity : CK(106) : AC(18)

Supplements of L-arginine attenuate the effects of high-fat meal on endothelial function and oxidative stress.

Pubmed Data : Int J Cardiol. 2008 Jul 21;127(3):337-41. Epub 2007 Jul 30. PMID: [17659795](#)

Article Published Date : Jul 21, 2008

Authors : Chih-Chan Lin, Wei-Chuan Tsai, Ju-Yi Chen, Yi-Heng Li, Li-Jen Lin, Jyh-Hong Chen

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231), Oxidative Stress : CK(3811) : AC(1363)

Additional Keywords : High-Fat Diet : CK(16) : AC(4)

The administration of L-arginine and citrulline has a beneficial effect on endothelial function in the treatment of heart failure.

Pubmed Data : Cardiol J. 2010;17(5):464-70. PMID: [20865676](#)

Article Published Date : Jan 01, 2010

Authors : Arturo Orea-Tejeda, Juan José Orozco-Gutiérrez, Lilia Castillo-Martínez, Candace Keirns-Davies, Patricia Montano-Hernández, Oscar Vázquez-Díaz, Adrián Valdespino-Trejo, Oscar Infante, Raúl Martínez-Memije

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Citrulline : CK(122) : AC(18)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231), Heart Failure : CK(908) : AC(123)

Erectile Dysfunction (AC 8) (CK 72)

A combination of pine bark extract and L-arginine is effective for long-term improvement of erectile function.

Pubmed Data : BJU Int. 2010 Feb 22. Epub 2010 Feb 22. PMID: [20184576](#)

Article Published Date : Feb 22, 2010

Authors : Andrea Ledda, Gianni Belcaro, Maria R Cesarone, Mark Dugall, Frank Schönlau

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176) , [Pycnogenol \(Pine Bark\)](#) : CK(556) : AC(94)

Diseases : [Erectile Dysfunction](#) : CK(338) : AC(53)

L-arginine improves the erectile response of rats.

Pubmed Data : J Urol. 1997 Sep;158(3 Pt 1):942-7. PMID: [9258123](#)

Article Published Date : Sep 01, 1997

Authors : J A Moody, D Vernet, S Laidlaw, J Rajfer, N F Gonzalez-Cadavid

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Erectile Dysfunction](#) : CK(338) : AC(53)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine in combination with Pycnogenol causes a significant improvement in sexual function in men with erectile dysfunction without any side effects.

Pubmed Data : J Sex Marital Ther. 2003 May-Jun;29(3):207-13. PMID: [12851125](#)

Article Published Date : May 01, 2003

Authors : R Stanislavov, V Nikolova

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173) , [Flavonoids](#) : CK(1214) : AC(378)

Diseases : [Erectile Dysfunction](#) : CK(338) : AC(53)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46) , [Platelet Aggregation Inhibitors](#) : CK(186) : AC(40)

Oral L-arginine in high doses seems to cause significant subjective improvement in sexual function in men with organic erectile dysfunction.

Pubmed Data : BJU Int. 1999 Feb;83(3):269-73. PMID: [10233492](#)

Article Published Date : Feb 01, 1999

Authors : J Chen, Y Wollman, T Chernichovsky, A Iaina, M Sofer, H Matzkin

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Erectile Dysfunction : CK\(338\) : AC\(53\)](#)

Propionyl-L-carnitine, L-arginine and niacin have value in erectile dysfunction.

Pubmed Data : [Andrologia. 2011 Oct 4. Epub 2011 Oct 4. PMID: 21966881](#)

Article Published Date : Oct 04, 2011

Authors : D Gianfrilli, R Lauretta, C Di Dato, C Graziadio, C Pozza, J De Larichaudy, E Giannetta, A M Isidori, A Lenzi

Study Type : Human Study

Additional Links

Substances : [Arginine : CK\(1012\) : AC\(176\)](#), [Carnitine: propionyl-L-carnitine : CK\(62\) : AC\(7\)](#), [Niacin : CK\(200\) : AC\(30\)](#)

Diseases : [Erectile Dysfunction : CK\(338\) : AC\(53\)](#)

Pycnogenol and L-arginine combination is helpful for infertile men to ameliorate simultaneously quality of sperms as well as erectile functions.

Pubmed Data : [Arch Ital Urol Androl. 2015 Sep ;87\(3\):190-3. Epub 2015 Sep 30. PMID: 26428638](#)

Article Published Date : Aug 31, 2015

Authors : Yoshitomo Kobori, Keisuke Suzuki, Toshiyuki Iwahata, Takeshi Shin, Yuko Sadaoka, Ryo Sato, Kojiro Nishio, Hiroshi Yagi, Gaku Arai, Shigehiro Soh, Hiroshi Okada, Jeffry Michael Strong, Peter Rohdewald

Study Type : Human Study

Additional Links

Substances : [Arginine : CK\(999\) : AC\(173\)](#), [Pycnogenol \(Pine Bark\) : CK\(556\) : AC\(94\)](#)

Diseases : [Erectile Dysfunction : CK\(338\) : AC\(53\)](#), [Sperm Count: Low : CK\(60\) : AC\(10\)](#), [Sperm Quality: Low : CK\(218\) : AC\(46\)](#)

Pharmacological Actions : [Antioxidants : CK\(7226\) : AC\(2647\)](#), [Fertility Agents: Male : CK\(60\) : AC\(14\)](#)

Additional Keywords : [Plant Extracts : CK\(7304\) : AC\(2423\)](#)

Pycnogenol® in combination with L-arginine as a dietary supplement is effective and safe in Japanese patients with mild to moderate erectile dysfunction.

Pubmed Data : [Phytother Res. 2012 Feb ;26\(2\):204-7. Epub 2011 May 27. PMID: 21618639](#)

Article Published Date : Jan 31, 2012

Authors : Hiromitsu Aoki, Junji Nagao, Taro Ueda, Jeffry M Strong, Frank Schonlau, Song Yu-Jing, Yan Lu, Shigeo Horie

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176) , Pycnogenol (Pine Bark) : CK(556) : AC(94) , Testosterone : CK(164) : AC(29)

Diseases : Erectile Dysfunction : CK(338) : AC(53)

Yohimbine (in combination with L-arginine glutamate) is effective in improving erectile function in patients with mild to moderate ED.

Pubmed Data : Eur Urol. 2002 Jun;41(6):608-13; discussion 613. PMID: [12074777](#)

Article Published Date : Jun 01, 2002

Authors : Thierry Lebrete, Jean-Marie Hervé, Philippe Gorny, Manuel Worcel, Henry Botto

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176) , Yohimbe : CK(30) : AC(2)

Diseases : Erectile Dysfunction : CK(338) : AC(53)

Escherichia coli Infections (AC 1) (CK 2)

Dietary arginine supplementation alleviates intestinal mucosal disruption induced by Escherichia coli lipopolysaccharide in weaned pigs.

Pubmed Data : Br J Nutr. 2008 Sep;100(3):552-60. Epub 2008 Feb 14. PMID: [18275628](#)

Article Published Date : Sep 01, 2008

Authors : Yulan Liu, Jingjing Huang, Yongqing Hou, Huiling Zhu, Shengjun Zhao, Binying Ding, Yulong Yin, Ganfeng Yi, Junxia Shi, Wei Fan

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Escherichia coli Infections : CK(152) : AC(90) , Lipopolysaccharide-Induced Toxicity : CK(357) : AC(216)

Pharmacological Actions : Anti-Inflammatory Agents : CK(4541) : AC(1596) , Interleukin-6 Downregulation : CK(1078) : AC(337) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Esophageal Surgery (AC 1) (CK 10)

A formula containing omega-3 fatty acids, arginine and RNA improves outcomes of surgery for esophageal cancer.

Pubmed Data : World J Surg. 2007 Nov;31(11):2160-7. PMID: [17876664](#)

Article Published Date : Nov 01, 2007

Authors : Hiroya Takeuchi, Shunji Ikeuchi, Yoshiki Kawaguchi, Yuko Kitagawa, Yoh Isobe, Kiyoshi Kubochi, Masaki Kitajima, Sumio Matsumoto

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [Omega-3 Fatty Acids](#) : CK(3268) : AC(387), [Ribonucleic acid \(RNA\)](#) : CK(10) : AC(1)

Diseases : [Esophageal Surgery](#) : CK(10) : AC(1)

Pharmacological Actions : [Immunomodulatory](#) : CK(1284) : AC(355)

Estrogen Toxicity (AC 1) (CK 10)

L-arginine appears to counteract the hypertensive properties of estradiol in patients with PCOS.

Pubmed Data : Gynecol Endocrinol. 2010 Dec;26(12):861-8. Epub 2010 Jul 20. PMID: [20642382](#)

Article Published Date : Dec 01, 2010

Authors : Cesare Battaglia, Fulvia Mancini, Bruno Battaglia, Fabio Facchinetti, Paolo G Artini, Stefano Venturoli

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Testosterone](#) : CK(164) : AC(29)

Diseases : [Drug-Induced Toxicity](#) : CK(562) : AC(83), [Estrogen Toxicity](#) : CK(10) : AC(1), [Polycystic Ovary Syndrome](#) : CK(346) : AC(43)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1047) : AC(153)

Additional Keywords : [Sex Hormone-Binding Globulin](#) : CK(100) : AC(10)

Exercise-Induced Tissue Damage (AC 2) (CK 4)

L-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise.

Pubmed Data : Br J Nutr. 2006 Jan;95(1):67-75. PMID: [16441918](#)

Article Published Date : Jan 01, 2006

Authors : Wan-Teng Lin, Suh-Ching Yang, Shiow-Chwen Tsai, Chi-Chang Huang, Ning-Yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252) , Muscle Damage: Exercise-Induced : CK(155) : AC(22) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Cardioprotective : CK(1581) : AC(405)

L-arginine protects against pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats.

Pubmed Data : Acta Pharmacol Sin. 2005 Aug;26(8):992-9. PMID: [16038634](#)

Article Published Date : Aug 01, 2005

Authors : Wang-teng Lin, Suh-ching Yang, Kung-tung Chen, Chi-chang Huang, Ning-yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252) , Lung Damage : CK(8) : AC(4) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Glutathione Upregulation : CK(152) : AC(53) , Malondialdehyde Down-regulation : CK(541) : AC(145) , Superoxide Dismutase Up-regulation : CK(508) : AC(171)

Fetal Growth Retardation (AC 2) (CK 20)

L-Arginine treatment has therapeutic value in asymmetric fetal growth restriction.

Pubmed Data : Int J Gynaecol Obstet. 2005 Jan;88(1):15-8. PMID: [15617699](#)

Article Published Date : Jan 01, 2005

Authors : X M Xiao, L P Li

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Fetal Growth Retardation : CK(30) : AC(3)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46)

L-arginine therapy has a beneficial effect in fetal growth retardation due to pregnancy-induced hypertension

Pubmed Data : Nan Fang Yi Ke Da Xue Xue Bao. 2007 Feb;27(2):198-200. PMID: [17355936](#)

Article Published Date : Feb 01, 2007

Authors : Ning Zhang, Ai-Hua Xiong, Xin Xiao, Li-Ping Li

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Fetal Growth Retardation : CK(30) : AC(3) , Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46)

Fibrinogen: Elevated (AC 2) (CK 20)

L-arginine may have a therapeutic role in attenuating cardiovascular mortality and inflammation in malnourished uremic patients.

Pubmed Data : Cardiovasc Res. 2007 Jan 15;73(2):359-67. Epub 2006 Sep 30. PMID: [17078937](#)

Article Published Date : Jan 15, 2007

Authors : Tatiana M C Brunini, Antônio C Mendes-Ribeiro, John C Ellory, Giovanni E Mann

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Fibrinogen: Elevated](#) : CK(104) : AC(12), [Uremia](#) : CK(91) : AC(20)

Long-term N-acetylcysteine and L-arginine administration reduces endothelial activation and systolic blood pressure in hypertensive patients with type 2 diabetes.

Pubmed Data : Diabetes Care. 2008 May;31(5):940-4. Epub 2008 Feb 11. PMID: [18268065](#)

Article Published Date : May 01, 2008

Authors : Valentino Martina, Andi Masha, Valentina Ramella Gigliardi, Loredana Brocato, Enzo Manzato, Arrigo Berchio, Paola Massarenti, Fabio Settanni, Lara Della Casa, Stefania Bergamini, Anna Iannone

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [NAC \(N-acetyl-L-cysteine\)](#) : CK(295) : AC(72)

Diseases : [C-Reactive Protein](#) : CK(1628) : AC(171), [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593), [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Fibrinogen: Elevated](#) : CK(104) : AC(12), [Hypertension](#) : CK(2843) : AC(395), [Intima Media Thickening](#) : CK(153) : AC(34)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(1390) : AC(339), [Vascular Cell Adhesion Molecule-1 Inhibitor](#) : CK(117) : AC(30)

Galactosemias (AC 1) (CK 1)

Arginine might constitute a promising therapeutic agent in classic galactosemia.

Pubmed Data : JIMD Rep. 2015 Mar 27. Epub 2015 Mar 27. PMID: [25814382](#)

Article Published Date : Mar 26, 2015

Authors : Ana I Coelho, Matilde Trabuco, Maria João Silva, Isabel Tavares de Almeida, Paula Leandro, Isabel Rivera, João B Vicente

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Galactosemias](#) : CK(1) : AC(1)

Gastric Surgery (AC 1) (CK 10)

Preoperative oral arginine and omega-3 fatty acid supplementation attenuate the systemic inflammatory response and infectious complications after gastrectomy

Pubmed Data : World J Surg. 2009 Sep;33(9):1815-21. PMID: [19629583](#)

Article Published Date : Sep 01, 2009

Authors : Yoshiki Okamoto, Keiichi Okano, Kunihiro Izuishi, Hisashi Usuki, Hisao Wakabayashi, Yasuyuki Suzuki

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Omega-3 Fatty Acids : CK(3268) : AC(387)

Diseases : Gastric Surgery : CK(23) : AC(3)

Pharmacological Actions : Anti-Inflammatory Agents : CK(4541) : AC(1596)

Gestational Diabetes (AC 1) (CK 2)

L-arginine improve the NO production and prevents glomerular hypertrophy in the offspring of diabetic mothers.

Pubmed Data : Pediatr Res. 2007 Aug;62(2):145-50. PMID: [17597655](#)

Article Published Date : Aug 01, 2007

Authors : Maria de Fatima Cavanal, Guiomar Nascimento Gomes, Andre L Forti, Silvia Oliveira Rocha, Maria do Carmo Pinho Franco, Zuleica B Fortes, Frida Zaladek Gil

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231), Gestational Diabetes : CK(76) : AC(10), Hypertension : CK(2843) : AC(395), Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46), Vasodilator Agents : CK(342) : AC(73)

Glomerulosclerosis (AC 1) (CK 1)

L-arginine may have a therapeutic role in the prevention of renal scarring.

Pubmed Data : Acta Pharmacol Sin. 2001 Aug;22(8):756-60. PMID: [11749852](#)

Article Published Date : Aug 01, 2001

Authors : B C Liu, K L Ma, Y Y Ye, N F Liu, X Z Ruan

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Glomerulosclerosis](#) : CK(8) : AC(5)

Glutathione Deficiency (AC 1) (CK 1)

L-Arginine supplementation induces glutathione synthesis in interscapular brown adipose tissue.

Pubmed Data : Chem Biol Interact. 2009 Dec 10;182(2-3):204-12. Epub 2009 Jul 22. PMID: [19631198](#)

Article Published Date : Dec 10, 2009

Authors : Vesna Petrović, Biljana Buzadzić, Aleksandra Korać, Ana Vasiljević, Aleksandra Janković, Bato Korać

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Glutathione Deficiency](#) : CK(65) : AC(15)

Pharmacological Actions : [Glutathione Upregulation](#) : CK(152) : AC(53)

HSV-1 (AC 1) (CK 1)

Arginine has an antiviral effect against herpes simplex virus type 1.

Pubmed Data : Int J Mol Med. 2009 Apr ;23(4):495-9. PMID: [19288025](#)

Article Published Date : Apr 01, 2009

Authors : Takeshi Naito, Hiroshi Irie, Kazuko Tsujimoto, Keiko Ikeda, Tsutomu Arakawa, A Hajime Koyama

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [HSV-1](#) : CK(53) : AC(44)

Pharmacological Actions : [Antiviral Agents](#) : CK(932) : AC(428)

Head and Neck Cancer (AC 1) (CK 10)

Perioperative arginine-supplemented nutrition in malnourished patients with head and neck cancer improves long-term survival.

Pubmed Data : Am J Clin Nutr. 2010 Nov;92(5):1151-6. Epub 2010 Sep 29. PMID: [20881073](#)

Article Published Date : Nov 01, 2010

Authors : Nikki Buijs, Marian A E van Bokhorst-de van der Schueren, Jacqueline A E Langius, C Rene Leemans, Dirk J Kuik, Mechteld A R Vermeulen, Paul A M van Leeuwen

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Head and Neck Cancer](#) : CK(152) : AC(41)

Heart Attack: Recovery (AC 1) (CK 10)

Oral administration of L-arginine in patients with angina or following myocardial infarction may be protective.

Pubmed Data : Oxid Med Cell Longev. 2009 Sep-Oct;2(4):231-7. PMID: [20716909](#)

Article Published Date : Sep 01, 2009

Authors : Pratima Tripathi, M Chandra, Mithilesh K Misra

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Heart Attack: Recovery : CK(22) : AC(3) , Myocardial Infarction : CK(1073) : AC(156)

Pharmacological Actions : Cardioprotective : CK(1591) : AC(406) , Hypolipidemic : CK(1159) : AC(245) , Superoxide Dismutase Up-regulation : CK(508) : AC(171) , Xanthine oxidase inhibitor : CK(26) : AC(13)

Heart Failure (AC 4) (CK 31)

Administration of L-arginine and citrulline to patients improve the condition of heart failure patients with preserved ejection fraction.

Pubmed Data : Cardiol J. 2010;17(6):612-8. PMID: [21154265](#)

Article Published Date : Jan 01, 2010

Authors : Juan José Orozco-Gutiérrez, Lilia Castillo-Martínez, Arturo Orea-Tejeda, Oscar Vázquez-Díaz, Adrián Valdespino-Trejo, René Narváez-David, Candace Keirns-Davis, Olín Carrasco-Ortiz, Adolfo Navarro-Navarro, Rocío Sánchez-Santillán

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173) , Citrulline : CK(122) : AC(18)

Diseases : Heart Failure : CK(908) : AC(123) , Hypertension : CK(2864) : AC(397)

Pharmacological Actions : Cardiotonic Agents : CK(46) : AC(7)

Chronic L-arginine supplementation enhances endurance exercise tolerance in heart failure patients.

Pubmed Data : Int J Sports Med. 2006 Jul;27(7):567-72. PMID: [16802253](#)

Article Published Date : Jul 01, 2006

Authors : S Doutreleau, B Mettauer, F Piquard, O Rouyer, A Schaefer, J Lonsdorfer, B Geny

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Heart Failure](#) : CK(908) : AC(123)

Meta-Analysis: L-arginine has a wide range of potential therapeutic applications.

Pubmed Data : J Med. 1999;30(3-4):131-48. PMID: [17312667](#)

Article Published Date : Jan 01, 1999

Authors : E Z Fisman, A Tenenbaum, I Shapira, A Pines, M Motro

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aging](#) : CK(1593) : AC(430), [Coronary Artery Disease](#) : CK(1468) : AC(155), [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593), [Heart Failure](#) : CK(908) : AC(123), [Hypercholesterolemia](#) : CK(1426) : AC(226), [Peripheral Vascular Diseases](#) : CK(221) : AC(23), [Smoking](#) : CK(676) : AC(102)

The administration of L-arginine and citrulline has a beneficial effect on endothelial function in the treatment of heart failure.

Pubmed Data : Cardiol J. 2010;17(5):464-70. PMID: [20865676](#)

Article Published Date : Jan 01, 2010

Authors : Arturo Orea-Tejeda, Juan José Orozco-Gutiérrez, Lilia Castillo-Martínez, Candace Keirns-Davies, Patricia Montano-Hernández, Oscar Vázquez-Díaz, Adrián Valdespino-Trejo, Oscar Infante, Raúl Martínez-Memije

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Citrulline](#) : CK(122) : AC(18)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Heart Failure](#) : CK(908) : AC(123)

Heat Stroke (AC 1) (CK 2)

L-arginine causes amelioration of cerebrovascular dysfunction and brain inflammation during experimental heatstroke.

Pubmed Data : Shock. 2008 Feb;29(2):212-6. PMID: [17693925](#)

Article Published Date : Feb 01, 2008

Authors : Yen-Chia Chen, Yu-Chi Liu, David Hung-Tsang Yen, Lee-Min Wang, Chun-I Huang, Chen-Hsen Lee, Mao-Tsun Lin

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Brain Inflammation](#) : CK(248) : AC(141), [Heat Stroke](#) : CK(5) : AC(2)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(460) : AC(203) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1760) : AC(645)

Hemorrhage: Trauma (AC 1) (CK 2)

L-arginine improves wound healing after trauma-hemorrhage by increasing collagen synthesis.

Pubmed Data : J Trauma. 2005 Jul;59(1):162-8. PMID: [16096557](#)

Article Published Date : Jul 01, 2005

Authors : F Wittmann, N Prix, S Mayr, P Angele, M W Wichmann, N K van den Engel, T Hernandez-Richter, I H Chaudry, K W Jauch, Martin K Angele

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hemorrhage: Trauma](#) : CK(8) : AC(5) , [Wound Healing](#) : CK(529) : AC(160)

Hemorrhage: Trauma Associated (AC 1) (CK 2)

Supplemental L-arginine enhances wound healing following trauma/hemorrhagic shock.

Pubmed Data : Wound Repair Regen. 2007 Jan-Feb;15(1):66-70. PMID: [17244321](#)

Article Published Date : Jan 01, 2007

Authors : Han Ping Shi, Shen Ming Wang, Guang Xin Zhang, Yun Jiang Zhang, Adrian Barbul

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hemorrhage: Trauma Associated](#) : CK(2) : AC(1) , [Hemorrhagic Shock](#) : CK(8) : AC(2) , [Wound Healing](#) : CK(529) : AC(160)

Hemorrhagic Shock (AC 1) (CK 2)

Supplemental L-arginine enhances wound healing following trauma/hemorrhagic shock.

Pubmed Data : Wound Repair Regen. 2007 Jan-Feb;15(1):66-70. PMID: [17244321](#)

Article Published Date : Jan 01, 2007

Authors : Han Ping Shi, Shen Ming Wang, Guang Xin Zhang, Yun Jiang Zhang, Adrian Barbul

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hemorrhage: Trauma Associated](#) : CK(2) : AC(1) , [Hemorrhagic Shock](#) : CK(8) : AC(2) , [Wound Healing](#) : CK(529) : AC(160)

High Cholesterol (AC 5) (CK 18)

Coconut kernel protein favorably modifies the effect of coconut oil on serum lipids.

Pubmed Data : Plant Foods Hum Nutr. 1999;53(2):133-44. PMID: [10472790](#)

Article Published Date : Jan 01, 1999

Authors : K G Padmakumaran Nair, T Rajamohan, P A Kurup

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173) , [Coconut](#) : CK(404) : AC(75) , [Coconut Oil](#) : CK(177) : AC(38) ,

Coconut Protein : CK(14) : AC(3)

Diseases : High Cholesterol : CK(1754) : AC(265)

Pharmacological Actions : Anti-Adipogenic : CK(110) : AC(52), Hypolipidemic : CK(1169) : AC(246)

Coconut protein is able to reduce hyperlipidemia and peroxidative effect induced by high fat cholesterol containing diet and these effects are mainly mediated by the L-arginine present in it.

Pubmed Data : Clin Ther. 2010 May;32(5):909-14. PMID: [11883511](#)

Article Published Date : May 01, 2010

Authors : G Salil, T Rajamohan

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Coconut : CK(404) : AC(75), Coconut Protein : CK(14) : AC(3)

Diseases : High Cholesterol : CK(1754) : AC(265)

Pharmacological Actions : Hypolipidemic : CK(1169) : AC(246)

L-arginine increases circulating endothelial progenitor cells in hypercholesterolemic rabbits.

Pubmed Data : Int J Cardiol. 2010 Aug 20;143(2):213-6. Epub 2009 Jan 24. PMID: [19167766](#)

Article Published Date : Aug 20, 2010

Authors : Shaghayegh Haghjooy Javanmard, Yousof Gheisari, Masoud Soleimani, Mehdi Nematbakhsh, Alireza Monajemi

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atherosclerosis : CK(579) : AC(147), High Cholesterol : CK(1754) : AC(265)

Additional Keywords : Endothelial Progenitor Cells (EPCs) : CK(2) : AC(1)

L-arginine prevents endothelial dysfunction in a hypercholesterolemic rabbit model.

Pubmed Data : Lipids Health Dis. 2008;7:27. Epub 2008 Aug 2. PMID: [18673573](#)

Article Published Date : Jan 01, 2008

Authors : Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aortic Plaques : CK(27) : AC(10), Aortic Stenosis : CK(42) : AC(9), Atherosclerosis : CK(579) : AC(147), Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Intima Media Thickening : CK(153) : AC(34)
Pharmacological Actions : Apoptotic : CK(2949) : AC(2068), Cardioprotective : CK(1581) : AC(405)

L-arginine supplementation improves endothelial function and myocardial perfusion in a swine model of chronic myocardial ischemia.

Pubmed Data : Surgery. 2005 Aug;138(2):291-8. PMID: [16153439](#)

Article Published Date : Aug 01, 2005

Authors : Yasunari Nakai, Pierre Voisine, Cesario Bianchi, Shu-Hua Xu, Jun Feng, Tamer Malik, Audrey Rosinberg, Frank W Sellke

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155), Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Myocardial Ischemia : CK(131) : AC(58)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

High Homocysteine (AC 2) (CK 4)

L-Glutamic acid, L-histidine, and L-arginine significantly suppressed methionine-induced enhancement of plasma homocysteine concentrations

Pubmed Data : Biosci Biotechnol Biochem. 2008 Jul;72(7):1940-3. Epub 2008 Jul 7. PMID: [18603771](#)

Article Published Date : Jul 01, 2008

Authors : Shin-ichiro Fukada, Tatsuya Morita, Kimio Sugiyama

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Histidine : CK(32) : AC(9)

Diseases : High Homocysteine : CK(443) : AC(65)

Supplementation with folic acid and L-arginine has an antiepileptic effect in dl homocysteine thiolactone

induced epilepsy.

Pubmed Data : Can J Physiol Pharmacol. 2016 Jun 22:1-7. Epub 2016 Jun 22. PMID: [27494641](#)

Article Published Date : Jun 21, 2016

Authors : A Rasic-Markovic, D Hrnica, D Krstic, M Colovic, E Djuric, B Rankov-Petrovic, V Susic, O Stanojlovic, D Djuric

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Folic Acid](#) : CK(643) : AC(93)

Diseases : [High Homocysteine](#) : CK(443) : AC(65), [Seizures](#) : CK(188) : AC(54)

Pharmacological Actions : [Anticonvulsants](#) : CK(235) : AC(65)

Human Growth Hormone: Enhancement (AC 2) (CK 2)

L-arginine has been shown to increase human growth hormone levels.

Pubmed Data : Curr Opin Clin Nutr Metab Care. 2008 Jan;11(1):50-4. PMID: [18090659](#)

Article Published Date : Jan 01, 2008

Authors : Jill A Kanaley

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Human Growth Hormone: Enhancement](#) : CK(84) : AC(11), [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Secretagogue](#) : CK(178) : AC(38)

Review: The ergogenic potential of arginine.

Pubmed Data : J Int Soc Sports Nutr. 2004;1(2):35-8. Epub 2004 Dec 31. PMID: [18500948](#)

Article Published Date : Jan 01, 2004

Authors : Bill I Campbell, Paul M La Bounty, Mike Roberts

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Human Growth Hormone: Enhancement](#) : CK(84) : AC(11), [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : Ergogenic : CK(43) : AC(6) , Nitric Oxide Enhancer : CK(189) : AC(46)

Human T-Cell Lymphotropic Virus type 1 associated disease (AC 1) (CK 1)

A combination of Lysine, Proline, Vitamin C, Arginine, Polyphenols, NAC (N-acetyl-L-cysteine), Selenium, Copper, Manganese induces apoptosis in HTLV-1 positive and negative malignant T-cells.

Pubmed Data : Leuk Res. 2006 Jul;30(7):869-81. Epub 2006 Jan 19. PMID: [16427125](#)

Article Published Date : Jul 01, 2006

Authors : S Harakeh, M Diab-Assaf, A Niedzwiecki, J Khalife, K Abu-El-Ardat, M Rath

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(999) : AC(173) , Copper : CK(83) : AC(17) , Lysine : CK(83) : AC(23) , Manganese : CK(15) : AC(4) , NAC (N-acetyl-L-cysteine) : CK(295) : AC(72) , Polyphenols : CK(920) : AC(333) , Proline : CK(19) : AC(8) , Selenium : CK(784) : AC(139) , Vitamin C : CK(1953) : AC(401)

Diseases : Human T-Cell Lymphotropic Virus type 1 associated disease : CK(28) : AC(9)

Pharmacological Actions : Apoptotic : CK(2949) : AC(2068)

Additional Keywords : Antineoplastic Agents : CK(69) : AC(28)

Hypercholesterolemia (AC 4) (CK 7)

L-arginine has a cardioprotective effect in an experimental model of hypercholesterolemic rabbits aorta.

Pubmed Data : Pathophysiology. 2009 Jun;16(1):9-13. Epub 2009 Jan 24. PMID: [19168337](#)

Article Published Date : Jun 01, 2009

Authors : Shaghayegh Haghjooy Javanmard, Mehdi Nematbakhsh, Farzaneh Mahmoodi,

Mohamad Reza Mohajeri

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Stenosis](#) : CK(42) : AC(9) , [Arterial Plaque](#) : CK(77) : AC(20) , [Hypercholesterolemia](#) : CK(1426) : AC(226)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405) , [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine has a protective effect in hypercholesterolemia.

Pubmed Data : Indian Pacing Electrophysiol J. 2009;9(1):45-52. Epub 2009 Jan 7. PMID: [19165358](#)

Article Published Date : Jan 01, 2009

Authors : Pradeep Kumar, Manish Goyal, J L Agarwal

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypercholesterolemia](#) : CK(1426) : AC(226)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406)

L-arginine may reduce hypercholesterolemia-induced endothelial dysfunction.

Pubmed Data : Circulation. 2005 Aug 30;112(9 Suppl):I202-7. PMID: [16159817](#)

Article Published Date : Aug 30, 2005

Authors : Pierre Voisine, Jian Li, Cesario Bianchi, Tanveer A Khan, Marc Ruel, Shu-Hua Xu, Jun Feng, Audrey Rosinberg, Tamer Malik, Yasunari Nakai, Frank W Sellke

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Hypercholesterolemia](#) : CK(1426) : AC(226)

Additional Keywords : [Drug Synergy](#) : CK(351) : AC(156)

Meta-Analysis: L-arginine has a wide range of potential therapeutic applications.

Pubmed Data : J Med. 1999;30(3-4):131-48. PMID: [17312667](#)

Article Published Date : Jan 01, 1999

Authors : E Z Fisman, A Tenenbaum, I Shapira, A Pines, M Motro

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : Aging : CK(1593) : AC(430), Coronary Artery Disease : CK(1468) : AC(155), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Heart Failure : CK(908) : AC(123), Hypercholesterolemia : CK(1426) : AC(226), Peripheral Vascular Diseases : CK(221) : AC(23), Smoking : CK(676) : AC(102)

Hyperlipidemia (AC 2) (CK 4)

Arginine may help to prevent atheroma development, in combination with cholesterol reduction.

Pubmed Data : Ann Vasc Surg. 1999 Sep;13(5):484-93. PMID: [10466992](#)

Article Published Date : Sep 01, 1999

Authors : M G Davies, G J Fulton, T T Huynh, L Barber, E Svendsen, P O Hagen

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atheroma : CK(7) : AC(4), Atherosclerosis : CK(579) : AC(147), Hyperlipidemia : CK(645) : AC(150)

Pharmacological Actions : Hypolipidemic : CK(1159) : AC(245)

Coconut may lower cholesterol and improve lipid metabolism in alcohol-induced hyperlipidemic rats due to its high arginine content.

Pubmed Data : Indian J Exp Biol. 2004 Jan;42(1):53-7. PMID: [15274481](#)

Article Published Date : Jan 01, 2004

Authors : S Mini, T Rajamohan

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Coconut : CK(404) : AC(75), Coconut Protein : CK(14) : AC(3)

Diseases : Alcohol Toxicity : CK(295) : AC(120), Hyperlipidemia : CK(645) : AC(150)

Pharmacological Actions : Hypolipidemic : CK(1159) : AC(245)

Additional Keywords : Plant Extracts : CK(7309) : AC(2424)

Hypertension (AC 17) (CK 129)

Administration of L-arginine and citrulline to patients improve the condition of heart failure patients with preserved ejection fraction.

Pubmed Data : Cardiol J. 2010;17(6):612-8. PMID: [21154265](#)

Article Published Date : Jan 01, 2010

Authors : Juan José Orozco-Gutiérrez, Lilia Castillo-Martínez, Arturo Orea-Tejeda, Oscar Vázquez-Díaz, Adrián Valdespino-Trejo, René Narváez-David, Candace Keirns-Davis, Olín Carrasco-Ortiz, Adolfo Navarro-Navarro, Rocío Sánchez-Santillán

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Citrulline](#) : CK(122) : AC(18)

Diseases : [Heart Failure](#) : CK(908) : AC(123), [Hypertension](#) : CK(2864) : AC(397)

Pharmacological Actions : [Cardiotonic Agents](#) : CK(46) : AC(7)

Aged garlic extract supplemented with B vitamins, folic acid and L-arginine retards the progression of subclinical atherosclerosis.

Pubmed Data : Breast Cancer Res Treat. 2004 Feb;83(3):221-31. PMID: [19573556](#)

Article Published Date : Feb 01, 2004

Authors : Matthew J Budoff, Naser Ahmadi, Khawar M Gul, Sandy T Liu, Ferdinand R Flores, Jima Tiano, Junichiro Takasu, Elizabeth Miller, Sotirios Tsimikas

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [B-complex](#) : CK(268) : AC(31), [Garlic](#) : CK(712) : AC(225), [Vitamin B-12](#) : CK(780) : AC(104)

Diseases : [Arterial Calcification](#) : CK(186) : AC(29), [Atherosclerosis](#) : CK(579) : AC(147), [Hypertension](#) : CK(2843) : AC(395)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405)

Additional Keywords : [Plant Extracts](#) : CK(7304) : AC(2423)

Dietary supplements and nutraceuticals could help with hypertension.

Pubmed Data : High Blood Press Cardiovasc Prev. 2015 Mar 19. Epub 2015 Mar 19. PMID: [25788027](#)

Article Published Date : Mar 18, 2015

Authors : Arrigo F G Cicero, Alessandro Colletti

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173) , Beet : CK(103) : AC(26) , Cocoa : CK(522) : AC(77) , Coenzyme Q10 : CK(941) : AC(140) , Garlic: Aged : CK(15) : AC(1) , Melatonin : CK(955) : AC(309) , Potassium : CK(121) : AC(19) , Vitamin C : CK(1953) : AC(401)

Diseases : Hypertension : CK(2864) : AC(397)

Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151)

L-Arginine supplementation in pregnant women with mild chronic hypertension does not significantly affect overall blood pressure but is associated with less need for antihypertensive medications and a trend toward fewer maternal and neonatal complicatio

Pubmed Data : J Matern Fetal Neonatal Med. 2010 Dec;23(12):1456-60. Epub 2010 Oct 20. PMID: [20958228](#)

Article Published Date : Dec 01, 2010

Authors : Isabella Neri, Francesca Monari, Laura Sgarbi, Alberto Berardi, Giuseppe Masellis, Fabio Facchinetti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Hypertension : CK(2864) : AC(397) , Prenatal Nutrition: Health of the Offspring : CK(246) : AC(35) , Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151)

L-arginine improve the NO production and prevents glomerular hypertrophy in the offspring of diabetic mothers.

Pubmed Data : Pediatr Res. 2007 Aug;62(2):145-50. PMID: [17597655](#)

Article Published Date : Aug 01, 2007

Authors : Maria de Fatima Cavanal, Guiomar Nascimento Gomes, Andre L Forti, Silvia Oliveira Rocha, Maria do Carmo Pinho Franco, Zuleica B Fortes, Frida Zaladek Gil

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231) , Gestational Diabetes : CK(76) : AC(10) , Hypertension : CK(2843) : AC(395) , Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46) , Vasodilator Agents : CK(342) : AC(73)

L-arginine improves blood pressure and vascular compliance in 29 healthy individuals.

Pubmed Data : Altern Med Rev. 2006 Mar;11(1):23-9. PMID: [16597191](#)

Article Published Date : Mar 01, 2006

Authors : Alan L Miller

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Hypertension](#) : CK(2843) : AC(395)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

L-arginine infusions have an ameliorative effect in hypertensive pregnant women.

Pubmed Data : J Matern Fetal Neonatal Med. 2004 Jul;16(1):23-6. PMID: [15370078](#)

Article Published Date : Jul 01, 2004

Authors : I Neri, I Blasi, F Facchinetti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypertension](#) : CK(2864) : AC(397), [Hypertension: Pre-Eclampsia Induced](#) : CK(142) : AC(15)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

L-arginine prevents endothelial dysfunction in rats with chronic renal failure.

Pubmed Data : J Cardiovasc Pharmacol. 2007 Mar;49(3):131-9. PMID: [17414224](#)

Article Published Date : Mar 01, 2007

Authors : Kohei Yamamizu, Kazuya Shinozaki, Kazuhide Ayajiki, Munekazu Gemba, Tomio Okamura

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Hypertension](#) : CK(2843) : AC(395), [Kidney Failure: Chronic](#) : CK(148) : AC(21)

Pharmacological Actions : [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171), [Vasodilator Agents](#) : CK(342) : AC(73)

Additional Keywords : [Drug Synergy](#) : CK(351) : AC(156)

L-arginine reduces symptoms of pregnancy-induced hypertension.

Pubmed Data : J Matern Fetal Neonatal Med. 2006 May;19(5):277-81. PMID: [16753767](#)

Article Published Date : May 01, 2006

Authors : Isabella Neri, Valerio M Jasonni, Gian Franco Gori, Immacolata Blasi, Fabio Facchinetti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Hypertension : CK(2864) : AC(397), Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15)

Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151)

L-arginine supplementation decreased hypertension (HT), proteinuria, and ADMA levels indicating that taking L-arginine may be beneficial in preeclampsia treatment.

Pubmed Data : Cell Biochem Funct. 2008 Sep-Oct;26(5):648-53. PMID: [18521818](#)

Article Published Date : Sep 01, 2008

Authors : Zekiye Sultan Altun, Sezer Uysal, Gul Guner, Osman Yilmaz, Cemal Posaci

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Hypertension : CK(2864) : AC(397), Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15), Oxidative Stress : CK(3811) : AC(1363), Pre-Eclampsia : CK(299) : AC(33)

L-arginine supplementation reduces cardiac noradrenergic neurotransmission in spontaneously hypertensive rats.

Pubmed Data : J Mol Cell Cardiol. 2009 Jul;47(1):149-55. Epub 2009 Apr 9. PMID: [19362092](#)

Article Published Date : Jul 01, 2009

Authors : Chee-Wan Lee, Dan Li, Keith M Channon, David J Paterson

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Cardiac noradrenergic hyperactivity : CK(2) : AC(1), Hypertension : CK(2864) : AC(397)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Long-term N-acetylcysteine and L-arginine administration

reduces endothelial activation and systolic blood pressure in hypertensive patients with type 2 diabetes.

Pubmed Data : Diabetes Care. 2008 May;31(5):940-4. Epub 2008 Feb 11. PMID: [18268065](#)

Article Published Date : May 01, 2008

Authors : Valentino Martina, Andi Masha, Valentina Ramella Gigliardi, Loredana Brocato, Enzo Manzato, Arrigo Berchio, Paola Massarenti, Fabio Settanni, Lara Della Casa, Stefania Bergamini, Anna Iannone

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), NAC (N-acetyl-L-cysteine) : CK(295) : AC(72)

Diseases : C-Reactive Protein : CK(1628) : AC(171), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Endothelial Dysfunction : CK(1166) : AC(231), Fibrinogen: Elevated : CK(104) : AC(12), Hypertension : CK(2843) : AC(395), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Hypoglycemic Agents : CK(1390) : AC(339), Vascular Cell Adhesion Molecule-1 Inhibitor : CK(117) : AC(30)

Long-term oral L-arginine administration improves peripheral and hepatic insulin sensitivity in type 2 diabetic patients.

Pubmed Data : Diabetes Care. 2001 May;24(5):875-80. PMID: [11347747](#)

Article Published Date : May 01, 2001

Authors : P M Piatti, L D Monti, G Valsecchi, F Magni, E Setola, F Marchesi, M Galli-Kienle, G Pozza, K G Alberti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Hypertension : CK(2864) : AC(397), Insulin Resistance : CK(1658) : AC(341)

Pharmacological Actions : Hypotensive : CK(435) : AC(59), Insulin Sensitizers : CK(347) : AC(68)

Long-term oral L-arginine treatment has a beneficial effect when added to a hypocaloric diet and exercise training program in obese, insulin-resistant type 2 diabetic patients.

Pubmed Data : Am J Physiol Endocrinol Metab. 2006 Nov;291(5):E906-12. Epub 2006 Jun 13. PMID: [16772327](#)

Article Published Date : Nov 01, 2006

Authors : Pietro Lucotti, Emanuela Setola, Lucilla D Monti, Elena Galluccio, Sabrina Costa, Emilia P Sandoli, Isabella Fermo, Giovanni Rabaiotti, Roberto Gatti, PierMarco Piatti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593) , [Hypertension](#) : CK(2864) : AC(397) , [Insulin Resistance](#) : CK(1658) : AC(341)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(347) : AC(68)

Oral L-arginine improves endothelial dysfunction in patients with essential hypertension.

Pubmed Data : Int J Cardiol. 2002 Dec;86(2-3):317-23. PMID: [12419572](#)

Article Published Date : Dec 01, 2002

Authors : John P Lekakis, Sotirios Papathanassiou, Theodoros G Papaioannou, Christos M Papamichael, Nikos Zakopoulos, Vassilios Kotsis, Anna G Dacre, Kimon Stamatelopoulos, Athanassios Protogerou, Stamatios F Stamatelopoulos

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Hypertension](#) : CK(2843) : AC(395)

Pharmokinetics-Pharmodynamics: L-arginine-induced vasodilation in healthy humans.

Pubmed Data : Br J Clin Pharmacol. 1998 Nov;46(5):489-97. PMID: [9833603](#)

Article Published Date : Nov 01, 1998

Authors : S M Bode-Böger, R H Böger, A Galland, D Tsikas, J C Frölich

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Hypertension](#) : CK(2843) : AC(395)

Pharmacological Actions : [Vasodilator Agents](#) : CK(342) : AC(73)

There is a strong association between L-arginine supplementation and blood pressure reduction.

Pubmed Data : Med Sci Monit. 2010 May;16(5):CR266-71. PMID: [20424555](#)

Article Published Date : May 01, 2010

Authors : Jarosław Ast, Anna Jablecka, Paweł Bogdanski, Iwona Smolarek, Hanna Krauss, Ewa Chmara

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypertension](#) : CK(2864) : AC(397)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

Hypertension: Pre-Eclampsia Induced (AC 6) (CK 52)

L-arginine infusions have an ameliorative effect in hypertensive pregnant women.

Pubmed Data : J Matern Fetal Neonatal Med. 2004 Jul;16(1):23-6. PMID: [15370078](#)

Article Published Date : Jul 01, 2004

Authors : I Neri, I Blasi, F Facchinetti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypertension](#) : CK(2864) : AC(397), [Hypertension: Pre-Eclampsia Induced](#) : CK(142) : AC(15)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

L-arginine reduces symptoms of pregnancy-induced hypertension.

Pubmed Data : J Matern Fetal Neonatal Med. 2006 May;19(5):277-81. PMID: [16753767](#)

Article Published Date : May 01, 2006

Authors : Isabella Neri, Valerio M Jasonni, Gian Franco Gori, Immacolata Blasi, Fabio Facchinetti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypertension](#) : CK(2864) : AC(397), [Hypertension: Pre-Eclampsia Induced](#) : CK(142) : AC(15)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

L-arginine supplementation decreased hypertension (HT), proteinuria, and ADMA levels indicating that taking L-arginine may be beneficial in preeclampsia treatment.

Pubmed Data : Cell Biochem Funct. 2008 Sep-Oct;26(5):648-53. PMID: [18521818](#)

Article Published Date : Sep 01, 2008

Authors : Zekiye Sultan Altun, Sezer Uysal, Gul Guner, Osman Yilmaz, Cemal Posaci

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Hypertension : CK(2864) : AC(397) , Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15), Oxidative Stress : CK(3811) : AC(1363) , Pre-Eclampsia : CK(299) : AC(33)

L-arginine supplementation is a safe, efficient strategy for treating preeclampsia.

Pubmed Data : Eur J Clin Invest. 2005 Jan;35(1):32-7. PMID: [15638817](#)

Article Published Date : Jan 01, 2005

Authors : K Rytlewski, R Olszanecki, R Korbut, Z Zdebski

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15) , Pre-Eclampsia : CK(299) : AC(33)

Pharmacological Actions : Hypotensive : CK(435) : AC(59)

L-arginine supplementation is beneficial in prolonging pregnancy and reducing blood pressure in patients with gestational hypertension.

Pubmed Data : Hypertens Pregnancy. 2007;26(1):121-30. PMID: [17454224](#)

Article Published Date : Jan 01, 2007

Authors : Fabio Facchinetti, George R Saade, Isabella Neri, Cristina Pizzi, Monica Longo, Annibale Volpe

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15) , Pre-Eclampsia : CK(299) : AC(33)

L-arginine therapy has a beneficial effect in fetal growth retardation due to pregnancy-induced hypertension

Pubmed Data : Nan Fang Yi Ke Da Xue Xue Bao. 2007 Feb;27(2):198-200. PMID: [17355936](#)

Article Published Date : Feb 01, 2007

Authors : Ning Zhang, Ai-Hua Xiong, Xin Xiao, Li-Ping Li

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Fetal Growth Retardation : CK(30) : AC(3) , Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15)

Hypertension: Pulmonary (AC 4) (CK 8)

L-arginine ameliorates hypoxic pulmonary hypertension.

Pubmed Data : Am J Physiol Lung Cell Mol Physiol. 2009 Jun;296(6):L1042-50. Epub 2009 Apr 3. PMID: [19346433](#)

Article Published Date : Jun 01, 2009

Authors : K Howell, C M Costello, M Sands, I Dooley, P McLoughlin

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hypertension: Pulmonary : CK(92) : AC(35) , Hypoxia : CK(121) : AC(59)

Pharmacological Actions : Angiogenesis Inducing Agents : CK(2) : AC(1) , Vascular Endothelial Growth Factor A Inhibitor : CK(132) : AC(71)

L-arginine has a protective effect against hypoxia-induced pulmonary hypertension and right ventricular hypertrophy in rats.

Pubmed Data : Hua Xi Yi Ke Da Xue Xue Bao. 1996 Mar;27(1):68-70. PMID: [9208624](#)

Article Published Date : Mar 01, 1996

Authors : D Cheng, W Chen, X Yang

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hypertension: Pulmonary : CK(92) : AC(35) , Right Ventricular Hypertrophy : CK(22) : AC(11)

L-arginine may attenuate experimentally-induced pulmonary artery hypertension in rats.

Pubmed Data : Am J Physiol Endocrinol Metab. 2010 Mar 9. Epub 2010 Mar 9. PMID: [20215577](#)

Article Published Date : Mar 09, 2010

Authors : Zhi-Jun Ou, Wei Wei, Da-De Huang, Wei Luo, Dan Luo, Zhi-Ping Wang, Xi Zhang, Jing-Song Ou

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hypertension: Pulmonary](#) : CK(92) : AC(35) , [Hypertrophy: Right Ventricular](#) : CK(4) : AC(2) , [Right Ventricular Hypertrophy](#) : CK(22) : AC(11)

L-arginine restores nitric oxide-mediated relaxation in isolated pulmonary arteries from pulmonary hypertensive exercise trained rats.

Pubmed Data : Eur J Pharmacol. 2008 Feb 26;581(1-2):148-56. Epub 2007 Nov 28. PMID: [18164288](#)

Article Published Date : Feb 26, 2008

Authors : Lucie Goret, Stéphane Tanguy, Isabelle Guiraud, Michel Dauzat, Philippe Obert

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hypertension: Pulmonary](#) : CK(92) : AC(35)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Hypertrophy: Right Ventricular (AC 1) (CK 2)

L-argining may attenuate experimentally-induced pulmonary artery hypertension in rats.

Pubmed Data : Am J Physiol Endocrinol Metab. 2010 Mar 9. Epub 2010 Mar 9. PMID: [20215577](#)

Article Published Date : Mar 09, 2010

Authors : Zhi-Jun Ou, Wei Wei, Da-De Huang, Wei Luo, Dan Luo, Zhi-Ping Wang, Xi Zhang, Jing-Song Ou

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hypertension: Pulmonary](#) : CK(92) : AC(35) , [Hypertrophy: Right Ventricular](#) : CK(4) : AC(2) , [Right Ventricular Hypertrophy](#) : CK(22) : AC(11)

Hypoxia (AC 1) (CK 2)

L-arginine ameliorates hypoxic pulmonary hypertension.

Pubmed Data : Am J Physiol Lung Cell Mol Physiol. 2009 Jun;296(6):L1042-50. Epub 2009 Apr 3. PMID: [19346433](#)

Article Published Date : Jun 01, 2009

Authors : K Howell, C M Costello, M Sands, I Dooley, P McLoughlin

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hypertension: Pulmonary](#) : CK(92) : AC(35) , [Hypoxia](#) : CK(121) : AC(59)

Pharmacological Actions : [Angiogenesis Inducing Agents](#) : CK(2) : AC(1) , [Vascular Endothelial Growth Factor A Inhibitor](#) : CK(132) : AC(71)

Immune Disorders: Low Immune Function (AC 2) (CK 4)

A selenium/arginine mixture prevents chemically-induced immunosuppression and accelerated aging.

Pubmed Data : Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2007 Dec;23(12):1126-9. PMID: [18062883](#)

Article Published Date : Dec 01, 2007

Authors : Yan-Hong Ma, An-Jun Liu, Guo-Rong Zhang, Jing Lang

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173) , [Selenium](#) : CK(784) : AC(139)

Diseases : [Aging](#) : CK(1593) : AC(430) , [Aging: Immunosenescence](#) : CK(52) : AC(13) , [Immune Disorders: Low Immune Function](#) : CK(489) : AC(118)

Pharmacological Actions : [Antiproliferative](#) : CK(2467) : AC(1677) , [Immunomodulatory](#) : CK(1284) : AC(355)

Dietary L-arginine supplementation enhances the immune status in early-weaned piglets.

Pubmed Data : Amino Acids. 2009 Jul;37(2):323-31. Epub 2008 Aug 19. PMID: [18712273](#)

Article Published Date : Jul 01, 2009

Authors : Bie Tan, Xinguo G Li, Xiangfeng Kong, Ruilin Huang, Zheng Ruan, Kang Yao, Zeyuan Deng, Mingyong Xie, Izuru Shinzato, Yulong Yin, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Immune Disorders: Low Immune Function](#) : CK(489) : AC(118)

Pharmacological Actions : [Immunostimulatory](#) : CK(260) : AC(57)

Infertility: Female (AC 1) (CK 2)

Dietary arginine supplementation during early pregnancy enhances embryonic survival in rats.

Pubmed Data : J Nutr. 2008 Aug;138(8):1421-5. PMID: [18641185](#)

Article Published Date : Aug 01, 2008

Authors : Xiangfang Zeng, Fenglai Wang, Xia Fan, Wenjun Yang, Bo Zhou, Pengfei Li, Yulong Yin, Guoyao Wu, Junjun Wang

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Infertility: Female](#) : CK(280) : AC(50), [Miscarriage](#) : CK(323) : AC(37), [Prenatal Nutrition: Prevention of Problems](#) : CK(367) : AC(42)

Inflammation (AC 2) (CK 4)

Arginine reverses ethanol-induced inflammatory and fibrotic changes in liver despite continued ethanol

administration.

Pubmed Data : J Pharmacol Exp Ther. 2001 Dec;299(3):832-9. PMID: [11714866](#)

Article Published Date : Dec 01, 2001

Authors : A A Nanji, K Jokelainen, G K Lau, A Rahemtulla, G L Tipoe, R Polavarapu, E N Lalani

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Alcoholic Liver Disease : CK(152) : AC(61) , Inflammation : CK(2870) : AC(843) , Liver Fibrosis : CK(222) : AC(100)

Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(451) : AC(269) , NF-kappaB Inhibitor : CK(1110) : AC(691) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

L-arginine may have a beneficial effect on airway hyperresponsiveness and airway inflammation in asthma.

Pubmed Data : J Allergy Clin Immunol. 2010 Mar;125(3):626-35. Epub 2010 Feb 11. PMID: [20153031](#)

Article Published Date : Mar 01, 2010

Authors : Ulaganathan Mabalirajan, Tanveer Ahmad, Geeta Devi Leishangthem, Duraisamy Arul Joseph, Amit Kumar Dinda, Anurag Agrawal, Balaram Ghosh

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Allergic Airway Diseases : CK(69) : AC(25) , Asthma : CK(1146) : AC(188) , Bronchial Asthma : CK(1229) : AC(186) , Inflammation : CK(2880) : AC(844) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46)

Inflammatory Bowel Diseases (AC 1) (CK 1)

Glutamine and arginine-fortified PF with curcumin might be a promising option to enhance the effectiveness and expand the scope of EEN therapy.

Pubmed Data : JPEN J Parenter Enteral Nutr. 2016 Jan 29. Epub 2016 Jan 29. PMID: [26826259](#)

Article Published Date : Jan 28, 2016

Authors : Moftah H Alhagamhmad, Andrew S Day, Daniel A Lemberg, Steven T Leach

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Curcumin](#) : CK(4132) : AC(2173), [Glutamine](#) : CK(123) : AC(24), [Vitamin D](#) : CK(3113) : AC(441)

Diseases : [Crohn's Disease](#) : CK(152) : AC(29), [Inflammatory Bowel Diseases](#) : CK(990) : AC(187)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(4541) : AC(1596), [Interleukin-8 downregulation](#) : CK(166) : AC(61)

Insulin Resistance (AC 5) (CK 33)

Arginine may be beneficial for ameliorating vascular insulin resistance in obesity and diabetes.

Pubmed Data : Biofactors. 2009 Jan-Feb;35(1):21-7. PMID: [19319842](#)

Article Published Date : Jan 01, 2009

Authors : Guoyao Wu, Cynthia J Meininger

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593), [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Insulin Resistance](#) : CK(1658) : AC(341), [Obesity](#) : CK(2169) : AC(458)

Pharmacological Actions : [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

L-arginine ameliorates cardiac matrix remodelling in insulin resistant rats.

Pubmed Data : Eur J Clin Invest. 2008 Nov;38(11):849-56. PMID: [19021703](#)

Article Published Date : Nov 01, 2008

Authors : L D Monti, E Galluccio, P Lucotti, E Setola, S Costa, B Fontana, M Oldani, D Merante, P Di Blasi, E Bosi, P M Piatti

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Insulin Resistance](#) : CK(1658) : AC(341), [Metabolic Syndrome X](#) : CK(916) : AC(158)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406)

L-arginine augments the effects of exercise training on

insulin sensitivity and capillary growth in muscles.

Pubmed Data : Curr Opin Clin Nutr Metab Care. 2007 Jan;10(1):46-51. PMID: [17143054](#)

Article Published Date : Jan 01, 2007

Authors : Glenn K McConell

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Insulin Resistance](#) : CK(1658) : AC(341)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(347) : AC(68)

Long-term oral L-arginine administration improves peripheral and hepatic insulin sensitivity in type 2 diabetic patients.

Pubmed Data : Diabetes Care. 2001 May;24(5):875-80. PMID: [11347747](#)

Article Published Date : May 01, 2001

Authors : P M Piatti, L D Monti, G Valsecchi, F Magni, E Setola, F Marchesi, M Galli-Kienle, G Pozza, K G Alberti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593), [Hypertension](#) : CK(2864) : AC(397), [Insulin Resistance](#) : CK(1658) : AC(341)

Pharmacological Actions : [Hypotensive](#) : CK(435) : AC(59), [Insulin Sensitizers](#) : CK(347) : AC(68)

Long-term oral L-arginine treatment has a beneficial effect when added to a hypocaloric diet and exercise training program in obese, insulin-resistant type 2 diabetic patients.

Pubmed Data : Am J Physiol Endocrinol Metab. 2006 Nov;291(5):E906-12. Epub 2006 Jun 13. PMID: [16772327](#)

Article Published Date : Nov 01, 2006

Authors : Pietro Lucotti, Emanuela Setola, Lucilla D Monti, Elena Galluccio, Sabrina Costa, Emilia P Sandoli, Isabella Fermo, Giovanni Rabaiotti, Roberto Gatti, PierMarco Piatti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593), [Hypertension](#) : CK(2864) : AC(397), [Insulin Resistance](#) : CK(1658) : AC(341)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(347) : AC(68)

Insulin-Like Growth Factor (IGF): Low (AC 1) (CK 10)

Arginine and ornithine supplementation increases growth hormone and insulin-like growth factor-1 serum levels after heavy-resistance exercise in strength-trained athletes.

Pubmed Data : J Strength Cond Res. 2010 Apr;24(4):1082-90. PMID: [20300016](#)

Article Published Date : Apr 01, 2010

Authors : Adam Zajac, Stanisław Poprzecki, Aleksandra Zebrowska, Małgorzata Chalimoniuk, Jozef Langfort

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Athletic Performance : CK(583) : AC(73) , Insulin-Like Growth Factor (IGF): Low : CK(20) : AC(2), Low Human Growth Hormone : CK(33) : AC(6)

Pharmacological Actions : Secretagogue : CK(178) : AC(38)

Additional Keywords : Strength Training : CK(10) : AC(1)

Intermittent Claudication (AC 2) (CK 20)

L-arginine improves symptoms of intermittent claudication in patients with arterial occlusive disease.

Pubmed Data : J Am Coll Cardiol. 1998 Nov;32(5):1336-44. PMID: [9809945](#)

Article Published Date : Nov 01, 1998

Authors : R H Böger, S M Bode-Böger, W Thiele, A Creutzig, K Alexander, J C Frölich

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Intermittent Claudication : CK(162) : AC(19) , Peripheral Arterial Disease : CK(282) : AC(29)

L-arginine may improve walking speed in patients with peripheral arterial disease.

Pubmed Data : Vasc Med. 2005 Nov;10(4):265-74. PMID: [16444855](#)

Article Published Date : Nov 01, 2005

Authors : Roberta K Oka, Andrzej Szuba, John C Giacomini, John P Cooke

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Intermittent Claudication : CK(162) : AC(19) , Peripheral Vascular Diseases : CK(221) : AC(23)

Interstitial Cystitis (AC 3) (CK 30)

Long-term oral L-arginine appears to improve interstitial cystitis related symptoms.

Pubmed Data : J Urol. 1997 Sep;158(3 Pt 1):703-8. PMID: [9258064](#)

Article Published Date : Sep 01, 1997

Authors : S D Smith, M A Wheeler, H E Foster, R M Weiss

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Interstitial Cystitis : CK(146) : AC(18)

Long-term oral administration of L-arginine increases nitric oxide related enzymes and metabolites in the urine of patients with interstitial cystitis, which is associated with a decrease in interstitial cystitis related symptoms.

Pubmed Data : J Urol. 1997 Dec;158(6):2045-50. PMID: [9366309](#)

Article Published Date : Dec 01, 1997

Authors : M A Wheeler, S D Smith, N Saito, H E Foster, R M Weiss

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Interstitial Cystitis](#) : CK(146) : AC(18)

Oral L-arginine may decrease pain and urgency in a subset of interstitial cystitis patients.

Pubmed Data : J Urol. 1999 Feb;161(2):558-65. PMID: [9915448](#)

Article Published Date : Feb 01, 1999

Authors : G E Korting, S D Smith, M A Wheeler, R M Weiss, H E Foster

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Interstitial Cystitis](#) : CK(146) : AC(18)

Intestinal Obstruction (AC 1) (CK 2)

L-arginine has a beneficial effect on bacterial translocation in an intestinal obstruction model in rats.

Pubmed Data : Clin Nutr. 2007 Jun;26(3):335-40. Epub 2007 Feb 16. PMID: [17307280](#)

Article Published Date : Jun 01, 2007

Authors : Iara Eliza Pacífico Quirino, Maria Isabel Toulson Davisson Correia, Valbert Nascimento Cardoso

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Intestinal Obstruction](#) : CK(2) : AC(1)

Intima Media Thickening (AC 3) (CK

Arginine reduces atheroma (plaque) formation in rabbit vein grafts.

Pubmed Data : J Surg Res. 1995 Jul;59(1):35-42. PMID: [7630134](#)

Article Published Date : Jul 01, 1995

Authors : M G Davies, H Dalen, J H Kim, L Barber, E Svendsen, P O Hagen

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atheroma : CK(7) : AC(4), Atherosclerosis : CK(579) : AC(147), Intima Media Thickening : CK(153) : AC(34)

L-arginine prevents endothelial dysfunction in a hypercholesterolemic rabbit model.

Pubmed Data : Lipids Health Dis. 2008;7:27. Epub 2008 Aug 2. PMID: [18673573](#)

Article Published Date : Jan 01, 2008

Authors : Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aortic Plaques : CK(27) : AC(10), Aortic Stenosis : CK(42) : AC(9), Atherosclerosis : CK(579) : AC(147), Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Apoptotic : CK(2949) : AC(2068), Cardioprotective : CK(1581) : AC(405)

Long-term N-acetylcysteine and L-arginine administration reduces endothelial activation and systolic blood pressure in hypertensive patients with type 2 diabetes.

Pubmed Data : Diabetes Care. 2008 May;31(5):940-4. Epub 2008 Feb 11. PMID: [18268065](#)

Article Published Date : May 01, 2008

Authors : Valentino Martina, Andi Masha, Valentina Ramella Gigliardi, Loredana Brocato, Enzo Manzato, Arrigo Berchio, Paola Massarenti, Fabio Settanni, Lara Della Casa, Stefania Bergamini, Anna Iannone

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), NAC (N-acetyl-L-cysteine) : CK(295) : AC(72)

Diseases : C-Reactive Protein : CK(1628) : AC(171), Diabetes Mellitus: Type 2 : CK(3354) : AC(593),

Endothelial Dysfunction : CK(1166) : AC(231) , Fibrinogen: Elevated : CK(104) : AC(12) , Hypertension : CK(2843) : AC(395), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Hypoglycemic Agents : CK(1390) : AC(339) , Vascular Cell Adhesion Molecule-1 Inhibitor : CK(117) : AC(30)

Kidney Damage (AC 1) (CK 2)

Long-term dietary supplementation with L-arginine prevents age-related reduction in renal function.

Pubmed Data : Am J Physiol. 1997 Jun;272(6 Pt 2):R1768-74. PMID: [9227589](#)

Article Published Date : Jun 01, 1997

Authors : J F Reckelhoff, J A Kellum, L C Racusen, D A Hildebrandt

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aging](#) : CK(1603) : AC(431) , [Kidney Damage](#) : CK(191) : AC(63) , [Kidney Diseases](#) : CK(501) : AC(84)

Pharmacological Actions : [Renoprotective](#) : CK(554) : AC(245)

Kidney Diseases (AC 1) (CK 2)

Long-term dietary supplementation with L-arginine prevents age-related reduction in renal function.

Pubmed Data : Am J Physiol. 1997 Jun;272(6 Pt 2):R1768-74. PMID: [9227589](#)

Article Published Date : Jun 01, 1997

Authors : J F Reckelhoff, J A Kellum, L C Racusen, D A Hildebrandt

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aging](#) : CK(1603) : AC(431) , [Kidney Damage](#) : CK(191) : AC(63) , [Kidney Diseases](#) : CK(501) : AC(84)

Pharmacological Actions : [Renoprotective](#) : CK(554) : AC(245)

Kidney Failure: Chronic (AC 1) (CK 2)

L-arginine prevents endothelial dysfunction in rats with chronic renal failure.

Pubmed Data : J Cardiovasc Pharmacol. 2007 Mar;49(3):131-9. PMID: [17414224](#)

Article Published Date : Mar 01, 2007

Authors : Kohei Yamamizu, Kazuya Shinozaki, Kazuhide Ayajiki, Munekazu Gemba, Tomio Okamura

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Hypertension](#) : CK(2843) : AC(395), [Kidney Failure: Chronic](#) : CK(148) : AC(21)

Pharmacological Actions : [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171), [Vasodilator Agents](#) : CK(342) : AC(73)

Additional Keywords : [Drug Synergy](#) : CK(351) : AC(156)

Lactation Disorders (AC 1) (CK 2)

L-arginine improves lactation performance in pigs.

Pubmed Data : J Anim Sci. 2008 Apr;86(4):827-35. Epub 2007 Dec 21. PMID: [18156355](#)

Article Published Date : Apr 01, 2008

Authors : R D Mateo, G Wu, H K Moon, J A Carroll, S W Kim

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Lactation Disorders](#) : CK(142) : AC(18)

Pharmacological Actions : [Galactagogue](#) : CK(73) : AC(8)

Laryngeal Cancer (AC 1) (CK 10)

An omega-3 fatty acid and L-arginine supplement improves blood protein concentrations and reduces C-reactive protein in postsurgical patients with head and neck cancer.

Pubmed Data : An Med Interna. 2008 Jun;25(6):275-8. PMID: [19295974](#)

Article Published Date : Jun 01, 2008

Authors : D A de Luis, O Izaola, R Aller, M González-Sagrado, L Cuellar, M C Terroba, T Martín

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Omega-3 Fatty Acids : CK(3268) : AC(387)

Diseases : C-Reactive Protein : CK(1628) : AC(171), Laryngeal Cancer : CK(38) : AC(9), Oral Cancer : CK(194) : AC(78)

Lipid Peroxidation (AC 2) (CK 4)

L-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise.

Pubmed Data : Br J Nutr. 2006 Jan;95(1):67-75. PMID: [16441918](#)

Article Published Date : Jan 01, 2006

Authors : Wan-Teng Lin, Suh-Ching Yang, Shiow-Chwen Tsai, Chi-Chang Huang, Ning-Yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8), Lipid Peroxidation : CK(692) : AC(252), Muscle Damage: Exercise-Induced : CK(155) : AC(22), Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Cardioprotective : CK(1581) : AC(405)

L-arginine protects against pulmonary oxidative stress

and antioxidant defenses during exhaustive exercise in rats.

Pubmed Data : Acta Pharmacol Sin. 2005 Aug;26(8):992-9. PMID: [16038634](#)

Article Published Date : Aug 01, 2005

Authors : Wang-teng Lin, Suh-ching Yang, Kung-tung Chen, Chi-chang Huang, Ning-yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252) , Lung Damage : CK(8) : AC(4) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Glutathione Upregulation : CK(152) : AC(53) , Malondialdehyde Down-regulation : CK(541) : AC(145) , Superoxide Dismutase Up-regulation : CK(508) : AC(171)

Lipopolysaccharide-Induced Toxicity (AC 1) (CK 2)

Dietary arginine supplementation alleviates intestinal mucosal disruption induced by Escherichia coli lipopolysaccharide in weaned pigs.

Pubmed Data : Br J Nutr. 2008 Sep;100(3):552-60. Epub 2008 Feb 14. PMID: [18275628](#)

Article Published Date : Sep 01, 2008

Authors : Yulan Liu, Jingjing Huang, Yongqing Hou, Huiling Zhu, Shengjun Zhao, Binying Ding, Yulong Yin, Ganfeng Yi, Junxia Shi, Wei Fan

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Escherichia coli Infections : CK(152) : AC(90) , Lipopolysaccharide-Induced Toxicity : CK(357) : AC(216)

Pharmacological Actions : Anti-Inflammatory Agents : CK(4541) : AC(1596) , Interleukin-6 Downregulation : CK(1078) : AC(337) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Liver Damage (AC 1) (CK 2)

L-Arginine supplementation protects against hepatic ischemia-reperfusion lesions in rabbits.

Pubmed Data : Transplant Proc. 2009 Apr;41(3):816-9. PMID: [19376360](#)

Article Published Date : Apr 01, 2009

Authors : M O Taha, M J Simões, M A Haddad, R C Capelato, N Budny, A H Matsumoto, P C M Soares, W M Santos, G D Armeato, C M Araki, J S M Gomes, K G Magalhães, I L S Tersariol, H P Monteiro, I S Oliveira-Júnior, I Oliveira, A Jurkiewicz, A Caricati-Neto

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Liver Damage](#) : CK(877) : AC(329)

Pharmacological Actions : [Hepatoprotective](#) : CK(1368) : AC(585)

Liver Fibrosis (AC 1) (CK 2)

Arginine reverses ethanol-induced inflammatory and fibrotic changes in liver despite continued ethanol administration.

Pubmed Data : J Pharmacol Exp Ther. 2001 Dec;299(3):832-9. PMID: [11714866](#)

Article Published Date : Dec 01, 2001

Authors : A A Nanji, K Jokelainen, G K Lau, A Rahemtulla, G L Tipoe, R Polavarapu, E N Lalani

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Alcoholic Liver Disease](#) : CK(152) : AC(61) , [Inflammation](#) : CK(2870) : AC(843) , [Liver Fibrosis](#) : CK(222) : AC(100)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(451) : AC(269) , [NF-kappaB Inhibitor](#) : CK(1110) : AC(691) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1760) : AC(645)

Liver Surgery (AC 1) (CK 10)

Arginine supplementation in total parenteral nutrition improves postoperative cellular immune function of patients with hepatocellular carcinoma after operation

Pubmed Data : Nan Fang Yi Ke Da Xue Xue Bao. 2007 Jul;27(7):1094-6. PMID: [17666360](#)

Article Published Date : Jul 01, 2007

Authors : Zhong-xin Zhou, Long-juan Zhang, Xiao-hui Huang, Qing-yu Kong, Jie Zhou

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Liver Surgery](#) : CK(14) : AC(3)

Pharmacological Actions : [Immunomodulatory](#) : CK(1284) : AC(355)

Low Human Growth Hormone (AC 4) (CK 13)

Aged garlic, l-arginine, l-lysine, S-allyl cysteine and pycnogenol increase human growth hormone secretion in an in vitro model.

Pubmed Data : Growth Horm IGF Res. 2002 Feb;12(1):34-40. PMID: [12127300](#)

Article Published Date : Feb 01, 2002

Authors : Amber R Buz'Zard, Qiaoling Peng, Benjamin H S Lau

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [Cysteine \(see N-Acetylcysteine\)](#) : CK(60) : AC(13), [Garlic](#) : CK(712) : AC(225), [Lysine](#) : CK(83) : AC(23), [Pycnogenol \(Pine Bark\)](#) : CK(556) : AC(94)

Diseases : [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Secretagogue](#) : CK(178) : AC(38)

Arginine and ornithine supplementation increases growth hormone and insulin-like growth factor-1 serum levels

after heavy-resistance exercise in strength-trained athletes.

Pubmed Data : J Strength Cond Res. 2010 Apr;24(4):1082-90. PMID: [20300016](#)

Article Published Date : Apr 01, 2010

Authors : Adam Zajac, Stanisław Poprzecki, Aleksandra Zebrowska, Małgorzata Chalimoniuk, Jozef Langfort

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Athletic Performance](#) : CK(583) : AC(73) , [Insulin-Like Growth Factor \(IGF\): Low](#) : CK(20) : AC(2) , [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Secretagogue](#) : CK(178) : AC(38)

Additional Keywords : [Strength Training](#) : CK(10) : AC(1)

L-arginine has been shown to increase human growth hormone levels.

Pubmed Data : Curr Opin Clin Nutr Metab Care. 2008 Jan;11(1):50-4. PMID: [18090659](#)

Article Published Date : Jan 01, 2008

Authors : Jill A Kanaley

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Human Growth Hormone: Enhancement](#) : CK(84) : AC(11) , [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Secretagogue](#) : CK(178) : AC(38)

Review: The ergogenic potential of arginine.

Pubmed Data : J Int Soc Sports Nutr. 2004;1(2):35-8. Epub 2004 Dec 31. PMID: [18500948](#)

Article Published Date : Jan 01, 2004

Authors : Bill I Campbell, Paul M La Bounty, Mike Roberts

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Human Growth Hormone: Enhancement](#) : CK(84) : AC(11) , [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Ergogenic](#) : CK(43) : AC(6) , [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Lung Damage (AC 1) (CK 2)

L-arginine protects against pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats.

Pubmed Data : Acta Pharmacol Sin. 2005 Aug;26(8):992-9. PMID: [16038634](#)

Article Published Date : Aug 01, 2005

Authors : Wang-teng Lin, Suh-ching Yang, Kung-tung Chen, Chi-chang Huang, Ning-yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252) , Lung Damage : CK(8) : AC(4) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Glutathione Upregulation : CK(152) : AC(53) , Malondialdehyde Down-regulation : CK(541) : AC(145) , Superoxide Dismutase Up-regulation : CK(508) : AC(171)

Lung Injury: Acute (AC 1) (CK 2)

L-arginine attenuates acute lung injury after smoke inhalation and burn injury in sheep.

Pubmed Data : Shock. 2007 Oct;28(4):477-83. PMID: [17558346](#)

Article Published Date : Oct 01, 2007

Authors : Kazunori Murakami, Perenlei Enkhbaatar, Yong-Ming Yu, Lillian D Traber, Robert A Cox, Hal K Hawkins, Ronald G Tompkins, David Herndon, Daniel L Traber

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Burns : CK(79) : AC(30) , Lung Injury: Acute : CK(34) : AC(17) , Lung Injury: Smoke-Induced : CK(10) : AC(4)

Lung Injury: Smoke-Induced (AC 1) (CK 2)

L-arginine attenuates acute lung injury after smoke inhalation and burn injury in sheep.

Pubmed Data : Shock. 2007 Oct;28(4):477-83. PMID: [17558346](#)

Article Published Date : Oct 01, 2007

Authors : Kazunori Murakami, Perenlei Enkhbaatar, Yong-Ming Yu, Lillian D Traber, Robert A Cox, Hal K Hawkins, Ronald G Tompkins, David Herndon, Daniel L Traber

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Burns : CK(79) : AC(30) , Lung Injury: Acute : CK(34) : AC(17) , Lung Injury: Smoke-Induced : CK(10) : AC(4)

Melas Syndrome (AC 2) (CK 20)

L-arginine supplementation improves endothelial dysfunction in MELAS patients.

Pubmed Data : Neurology. 2006 Jun 13;66(11):1766-9. PMID: [16769961](#)

Article Published Date : Jun 13, 2006

Authors : Y Koga, Y Akita, N Junko, S Yatsuga, N Povalko, R Fukiyama, M Ishii, T Matsuishi

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231) , Melas Syndrome : CK(23) : AC(3)

Pharmacological Actions : Vasodilator Agents : CK(342) : AC(73)

L-arginine therapy showed promise in treating stroke-like episodes in MELAS.

Pubmed Data : Mitochondrion. 2007 Feb-Apr;7(1-2):133-9. Epub 2006 Dec 5. PMID: [17276739](#)

Article Published Date : Feb 01, 2007

Authors : Yasutoshi Koga, Yukihiro Akita, Junko Nishioka, Shuichi Yatsuga, Nataliya Povalko, Koujyu Katayama, Toyojiro Matsuishi

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Melas Syndrome](#) : CK(23) : AC(3)

Mercury Poisoning (AC 1) (CK 2)

L-arginine reduces mercury accumulation in thymus of mercury-exposed mice.

Pubmed Data : Ind Health. 2008 Dec;46(6):567-74. PMID: [19088408](#)

Article Published Date : Dec 01, 2008

Authors : Massimo Bracci, Marco Tomasetti, Marco Malavolta, Viviana Bonacucina, Eugenio Mocchegiani, Lory Santarelli

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Mercury Poisoning](#) : CK(195) : AC(55)

Pharmacological Actions : [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

Metabolic Syndrome X (AC 1) (CK 2)

L-arginine ameliorates cardiac matrix remodelling in insulin resistant rats.

Pubmed Data : Eur J Clin Invest. 2008 Nov;38(11):849-56. PMID: [19021703](#)

Article Published Date : Nov 01, 2008

Authors : L D Monti, E Galluccio, P Lucotti, E Setola, S Costa, B Fontana, M Oldani, D Merante, P Di Blasi, E Bosi, P M Piatti

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Insulin Resistance](#) : CK(1658) : AC(341), [Metabolic Syndrome X](#) : CK(916) : AC(158)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406)

Miscarriage (AC 1) (CK 2)

Dietary arginine supplementation during early pregnancy enhances embryonic survival in rats.

Pubmed Data : J Nutr. 2008 Aug;138(8):1421-5. PMID: [18641185](#)

Article Published Date : Aug 01, 2008

Authors : Xiangfang Zeng, Fenglai Wang, Xia Fan, Wenjun Yang, Bo Zhou, Pengfei Li, Yulong Yin, Guoyao Wu, Junjun Wang

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Infertility: Female](#) : CK(280) : AC(50), [Miscarriage](#) : CK(323) : AC(37), [Prenatal Nutrition: Prevention of Problems](#) : CK(367) : AC(42)

Muscle Atrophy (AC 4) (CK 8)

Arginine supplementation increased net protein balance in skin wound and muscle by a mechanism which was independent of nitric oxide production.

Pubmed Data : Clin Nutr. 2008 Aug;27(4):649-56. Epub 2008 Mar 7. PMID: [18316142](#)

Article Published Date : Aug 01, 2008

Authors : Xiao-jun Zhang, David L Chinkes, Robert R Wolfe

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(105) : AC(35), [Wound Healing](#) : CK(529) : AC(160)

Pharmacological Actions : Anabolic Agents : CK(44) : AC(11) , Nitric Oxide Enhancer : CK(189) : AC(46)

Dietary L-arginine supplementation increases muscle gain and reduces body fat mass in growing-finishing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):169-75. Epub 2008 Aug 6. PMID: [18683021](#)

Article Published Date : May 01, 2009

Authors : Bie Tan, Yulong Yin, Zhiqiang Liu, Xinguo Li, Haijun Xu, Xiangfeng Kong, Ruilin Huang, Wenjie Tang, Izuru Shinzato, Stephen B Smith, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Muscle Atrophy : CK(95) : AC(34), Obesity : CK(2179) : AC(459) , Overweight : CK(3260) : AC(536)

Pharmacological Actions : Anabolic Agents : CK(44) : AC(11) , Anti-Adipogenic : CK(110) : AC(52)

Dietary arginine supplementation alters the catabolism of fat and amino acids in the whole body, enhances protein synthesis in skeletal muscle, and modulates intestinal microbial metabolism in growing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):199-208. Epub 2008 Nov 7. PMID: [18989615](#)

Article Published Date : May 01, 2009

Authors : Qinghua He, Xiangfeng Kong, Guoyao Wu, Pingping Ren, Huiru Tang, Fuhua Hao, Ruilin Huang, Tiejun Li, Bie Tan, Peng Li, Zhiru Tang, Yulong Yin, Yongning Wu

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Muscle Atrophy : CK(105) : AC(35), Overweight : CK(3260) : AC(536)

Pharmacological Actions : Anabolic Agents : CK(44) : AC(11) , Lipolytic : CK(45) : AC(16)

Dietary supplementation of L-arginine and conjugated linoleic acid reduces retroperitoneal fat mass and increases lean body mass in rats.

Pubmed Data : J Nutr. 2009 Jul;139(7):1279-85. Epub 2009 May 13. PMID: [19439462](#)

Article Published Date : Jul 01, 2009

Authors : Jennifer L Nall, Guoyao Wu, Kyoung Hoon Kim, Chang Weon Choi, Stephen B Smith

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), CLA (Conjugated Linoleic Acid) : CK(71) : AC(27)

Diseases : [Muscle Atrophy](#) : CK(95) : AC(34), [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11) , [Anti-Adipogenic](#) : CK(110) : AC(52)

Muscle Damage: Exercise-Induced (AC 2) (CK 12)

Branched-chain amino acids and arginine supplementation attenuates skeletal muscle proteolysis induced by moderate exercise in young individuals.

Pubmed Data : [Int J Sports Med.](#) 2007 Jun;28(6):531-8. Epub 2007 May 11. PMID: [17497593](#)

Article Published Date : Jun 01, 2007

Authors : K Matsumoto, M Mizuno, T Mizuno, B Dilling-Hansen, A Lahoz, V Bertelsen, H Münster, H Jordening, K Hamada, T Doi

Study Type : Human Study

Additional Links

Substances : [Amino Acids: Branched Chain](#) : CK(12) : AC(2) , [Arginine](#) : CK(1012) : AC(176)

Diseases : [Muscle Damage: Exercise-Induced](#) : CK(155) : AC(22)

L-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise.

Pubmed Data : [Br J Nutr.](#) 2006 Jan;95(1):67-75. PMID: [16441918](#)

Article Published Date : Jan 01, 2006

Authors : Wan-Teng Lin, Suh-Ching Yang, Shiow-Chwen Tsai, Chi-Chang Huang, Ning-Yuean Lee

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Exercise-Induced Tissue Damage](#) : CK(40) : AC(8) , [Lipid Peroxidation](#) : CK(692) : AC(252) , [Muscle Damage: Exercise-Induced](#) : CK(155) : AC(22) , [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647) , [Cardioprotective](#) : CK(1581) : AC(405)

Muscular Dystrophies (AC 1) (CK 2)

L-arginine may have a therapeutic role to play in the treatment of Duchenne muscular dystrophy by decreasing inflammation and enhancing muscle regeneration.

Pubmed Data : Am J Pathol. 2008 Jun;172(6):1509-19. Epub 2008 May 5. PMID: [18458097](#)

Article Published Date : Jun 01, 2008

Authors : Karim Hnia, Jérôme Gayraud, Gérald Hugon, Michèle Ramonatxo, Sabine De La Porte, Stefan Matecki, Dominique Mornet

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Duchenne's Muscular Dystrophy](#) : CK(12) : AC(6) , [Muscular Dystrophies](#) : CK(26) : AC(9)

Additional Keywords : [Muscle Regeneration](#) : CK(4) : AC(2)

Myocardial Infarction (AC 1) (CK 10)

Oral administration of L-arginine in patients with angina or following myocardial infarction may be protective.

Pubmed Data : Oxid Med Cell Longev. 2009 Sep-Oct;2(4):231-7. PMID: [20716909](#)

Article Published Date : Sep 01, 2009

Authors : Pratima Tripathi, M Chandra, Mithilesh K Misra

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Heart Attack: Recovery](#) : CK(22) : AC(3) , [Myocardial Infarction](#) : CK(1073) : AC(156)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406) , [Hypolipidemic](#) : CK(1159) : AC(245) , [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171) , [Xanthine oxidase inhibitor](#) : CK(26) : AC(13)

Myocardial Ischemia (AC 2) (CK 3)

L-arginine administration may be beneficial to patients with myocardial ischemic disorders.

Pubmed Data : Indian J Biochem Biophys. 2009 Dec;46(6):498-502. PMID: [20361713](#)

Article Published Date : Dec 01, 2009

Authors : Pratima Tripathi, M K Misra

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Myocardial Ischemia : CK(131) : AC(58)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Malondialdehyde Down-regulation : CK(541) : AC(145), Superoxide Dismutase Up-regulation : CK(508) : AC(171)

L-arginine supplementation improves endothelial function and myocardial perfusion in a swine model of chronic myocardial ischemia.

Pubmed Data : Surgery. 2005 Aug;138(2):291-8. PMID: [16153439](#)

Article Published Date : Aug 01, 2005

Authors : Yasunari Nakai, Pierre Voisine, Cesario Bianchi, Shu-Hua Xu, Jun Feng, Tamer Malik, Audrey Rosinberg, Frank W Sellke

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155), Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Myocardial Ischemia : CK(131) : AC(58)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Necrotising enterocolitis (AC 2) (CK 12)

Glutamine and arginine supplementation may help prevent necrotizing enterocolitis.

Pubmed Data : J Pediatr Gastroenterol Nutr. 2009 Jul;49(1):85-9. PMID: [19503000](#)

Article Published Date : Jul 01, 2009

Authors : Mustafa Kul, Sabahattin Vurucu, Erkan Demirkaya, Turan Tunc, Seçil Aydinoz, Cihan Meral, Vural Kesik, Faruk Alpay

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Glutamine](#) : CK(123) : AC(24)

Diseases : [Necrotising enterocolitis](#) : CK(80) : AC(13)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647), [Malondialdehyde Down-regulation](#) : CK(541) : AC(145), [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171)

Safety Study: There is no increase in neurodevelopmental disability in preterm infants who received L-arginine supplementation.

Pubmed Data : J Paediatr Child Health. 2009 Apr;45(4):219-23. Epub 2009 Mar 23. PMID: [19320804](#)

Article Published Date : Apr 01, 2009

Authors : Harish J Amin, Amuchou S Soraisham, Reg S Sauve

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Necrotising enterocolitis](#) : CK(80) : AC(13)

Obesity (AC 8) (CK 14)

A combination of caffeine, arginine, soy isoflavones, and L-carnitine enhances both lipolysis and fatty acid oxidation in animal model of obesity.

Pubmed Data : J Nutr. 2007 Oct;137(10):2252-7. PMID: [17885007](#)

Article Published Date : Oct 01, 2007

Authors : Shinji Murosaki, Tae Ryong Lee, Koutarou Muroyama, Eui Seok Shin, Si Young Cho, Yoshihiro Yamamoto, Sang Jun Lee

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Caffeine](#) : CK(197) : AC(31), [Carnitine](#) : CK(436) : AC(67), [Isoflavones](#) : CK(631) : AC(129)

Diseases : Obesity : CK(2179) : AC(459)

Pharmacological Actions : Lipolytic : CK(45) : AC(16)

Additional Keywords : Anti-Obesity Agents : CK(474) : AC(105)

Arginine may be beneficial for ameliorating vascular insulin resistance in obesity and diabetes.

Pubmed Data : Biofactors. 2009 Jan-Feb;35(1):21-7. PMID: [19319842](#)

Article Published Date : Jan 01, 2009

Authors : Guoyao Wu, Cynthia J Meininger

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Endothelial Dysfunction : CK(1166) : AC(231), Insulin Resistance : CK(1658) : AC(341), Obesity : CK(2169) : AC(458)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Dietary L-arginine supplementation increases muscle gain and reduces body fat mass in growing-finishing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):169-75. Epub 2008 Aug 6. PMID: [18683021](#)

Article Published Date : May 01, 2009

Authors : Bie Tan, Yulong Yin, Zhiqiang Liu, Xinguo Li, Haijun Xu, Xiangfeng Kong, Ruilin Huang, Wenjie Tang, Izuru Shinzato, Stephen B Smith, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Muscle Atrophy : CK(95) : AC(34), Obesity : CK(2179) : AC(459), Overweight : CK(3260) : AC(536)

Pharmacological Actions : Anabolic Agents : CK(44) : AC(11), Anti-Adipogenic : CK(110) : AC(52)

Dietary L-arginine supplementation reduces fat mass in Zucker diabetic fatty rats.

Pubmed Data : J Nutr. 2005 Apr;135(4):714-21. PMID: [15795423](#)

Article Published Date : Apr 01, 2005

Authors : Wenjiang J Fu, Tony E Haynes, Ripla Kohli, Jianbo Hu, Wenjuan Shi, Thomas E Spencer, Raymond J Carroll, Cynthia J Meininger, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Abdominal Obesity (Midsection Fat) : CK(458) : AC(66), Diabetes Mellitus: Type 2 : CK(3374) : AC(594), Obesity : CK(2169) : AC(458)

Dietary L-arginine supplementation reduces white fat gain and enhances skeletal muscle and brown fat masses in diet-induced obese rats.

Pubmed Data : J Nutr. 2009 Feb;139(2):230-7. Epub 2008 Dec 23. PMID: [19106310](#)

Article Published Date : Feb 01, 2009

Authors : Wenjuan Jobgen, Cynthia J Meininger, Scott C Jobgen, Peng Li, Mi-Jeong Lee, Stephen B Smith, Thomas E Spencer, Susan K Fried, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Anti-Adipogenic](#) : CK(110) : AC(52)

Dietary supplementation of L-arginine and conjugated linoleic acid reduces retroperitoneal fat mass and increases lean body mass in rats.

Pubmed Data : J Nutr. 2009 Jul;139(7):1279-85. Epub 2009 May 13. PMID: [19439462](#)

Article Published Date : Jul 01, 2009

Authors : Jennifer L Nall, Guoyao Wu, Kyoung Hoon Kim, Chang Weon Choi, Stephen B Smith

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [CLA \(Conjugated Linoleic Acid\)](#) : CK(71) : AC(27)

Diseases : [Muscle Atrophy](#) : CK(95) : AC(34), [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Anti-Adipogenic](#) : CK(110) : AC(52)

L-arginine has a beneficial effect on ameliorating diet-induced obesity in mammals.

Pubmed Data : Amino Acids. 2009 May;37(1):187-98. Epub 2009 Feb 12. PMID: [19212806](#)

Article Published Date : May 01, 2009

Authors : Wenjuan Jobgen, Wenjiang J Fu, Haijun Gao, Peng Li, Cynthia J Meininger, Stephen B Smith, Thomas E Spencer, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Anti-Adipogenic](#) : CK(110) : AC(52)

L-arginine has a potential benefit in reducing obesity.

Pubmed Data : Amino Acids. 2010 Jul;39(2):349-57. Epub 2010 May 1. PMID: [20437186](#)

Article Published Date : Jul 01, 2010

Authors : Jason R McKnight, M Carey Satterfield, Wenjuan S Jobgen, Stephen B Smith, Thomas E Spencer, Cynthia J Meininger, Catherine J McNeal, Guoyao Wu

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Obesity](#) : CK(2179) : AC(459)

Additional Keywords : [Mitochondrial Biogenesis](#) : CK(28) : AC(14)

Obsessive-Compulsive Disorder (AC 1) (CK 10)

Patients with OCD had significantly lower levels of ADMA, SDMA, and L-arginine compared with the controls.

Pubmed Data : Turk J Med Sci. 2016 ;46(3):775-82. Epub 2016 Apr 19. PMID: [27513255](#)

Article Published Date : Dec 31, 2015

Authors : Enver Demirel Yilmaz, Mehmet Fatih Üstündağ, Ali Görkem Gençer, Yüksel Kivrak, Özge Ünal, Mustafa Bilici

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Obsessive-Compulsive Disorder](#) : CK(168) : AC(24)

Additional Keywords : [Obsessive-Compulsive Disorder](#) : CK(168) : AC(24)

Oral Cancer (AC 1) (CK 10)

An omega-3 fatty acid and L-arginine supplement improves blood protein concentrations and reduces C-

reactive protein in postsurgical patients with head and neck cancer.

Pubmed Data : An Med Interna. 2008 Jun;25(6):275-8. PMID: [19295974](#)

Article Published Date : Jun 01, 2008

Authors : D A de Luis, O Izaola, R Aller, M González-Sagrado, L Cuellar, M C Terroba, T Martín

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Omega-3 Fatty Acids : CK(3268) : AC(387)

Diseases : C-Reactive Protein : CK(1628) : AC(171), Laryngeal Cancer : CK(38) : AC(9), Oral Cancer : CK(194) : AC(78)

Organ Transplantation: Heart (AC 1) (CK 10)

L-arginine supplementation improves exercise capacity after a heart transplant.

Pubmed Data : Am J Clin Nutr. 2010 May;91(5):1261-7. Epub 2010 Mar 3. PMID: [20200265](#)

Article Published Date : May 01, 2010

Authors : Stéphane Doutreleau, Olivier Rouyer, Paola Di Marco, Evelyne Lonsdorfer, Ruddy Richard, François Piquard, Bernard Geny

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Organ Transplantation: Heart : CK(34) : AC(5)

Osteopenia (AC 1) (CK 2)

L-arginine supplementation normalizes bone turnover and preserves bone mass in streptozotocin-induced

diabetic rats.

Pubmed Data : J Endocrinol Invest. 2009 Jun;32(6):546-51. Epub 2009 May 5. PMID: [19494718](#)

Article Published Date : Jun 01, 2009

Authors : P Pennisi, G Clementi, A Prato, T Luca, G Martinez, R A Mangiafico, I Pulvirenti, F Muratore, C E Fiore

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 1: Prevention](#) : CK(254) : AC(49) , [Osteopenia](#) : CK(229) : AC(41) , [Osteoporosis](#) : CK(1278) : AC(242)

Osteoporosis (AC 1) (CK 2)

L-arginine supplementation normalizes bone turnover and preserves bone mass in streptozotocin-induced diabetic rats.

Pubmed Data : J Endocrinol Invest. 2009 Jun;32(6):546-51. Epub 2009 May 5. PMID: [19494718](#)

Article Published Date : Jun 01, 2009

Authors : P Pennisi, G Clementi, A Prato, T Luca, G Martinez, R A Mangiafico, I Pulvirenti, F Muratore, C E Fiore

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 1: Prevention](#) : CK(254) : AC(49) , [Osteopenia](#) : CK(229) : AC(41) , [Osteoporosis](#) : CK(1278) : AC(242)

Osteoporosis: Drug-Induced (AC 1) (CK 2)

L-arginine prevents bone loss and bone collagen

breakdown in cyclosporin A-treated rats.

Pubmed Data : Eur J Pharmacol. 2000 Nov 24;408(3):323-6. PMID: [11090650](#)

Article Published Date : Nov 24, 2000

Authors : C E Fiore, P Pennisi, V M Cutuli, A Prato, R Messina, G Clementi

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Drug-Induced Toxicity: Cyclosporine](#) : CK(12) : AC(6) , [Osteoporosis: Drug-Induced](#) : CK(30) : AC(7)

Osteoporosis: Steroid-Induced (AC 1) (CK 2)

L-arginine prevents glucocorticoid-induced reduction of bone growth and bone turnover abnormalities in a growing rat model.

Pubmed Data : J Bone Miner Metab. 2005;23(2):134-9. PMID: [15750691](#)

Article Published Date : Jan 01, 2005

Authors : Pietra Pennisi, Maria Antonia D'Alcamo, Concetta Leonetti, Anna Clementi, Vincenza Maria Cutuli, Stefania Riccobene, Natalia Parisi, Carmelo Erio Fiore

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Osteoporosis: Steroid-Induced](#) : CK(28) : AC(6) , [Steroid-Induced Toxicity](#) : CK(24) : AC(9)

Overweight (AC 2) (CK 4)

Dietary L-arginine supplementation increases muscle gain and reduces body fat mass in growing-finishing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):169-75. Epub 2008 Aug 6. PMID: [18683021](#)

Article Published Date : May 01, 2009

Authors : Bie Tan, Yulong Yin, Zhiqiang Liu, Xinguo Li, Haijun Xu, Xiangfeng Kong, Ruilin Huang, Wenjie Tang, Izuru Shinzato, Stephen B Smith, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(95) : AC(34), [Obesity](#) : CK(2179) : AC(459), [Overweight](#) : CK(3260) : AC(536)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Anti-Adipogenic](#) : CK(110) : AC(52)

Dietary arginine supplementation alters the catabolism of fat and amino acids in the whole body, enhances protein synthesis in skeletal muscle, and modulates intestinal microbial metabolism in growing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):199-208. Epub 2008 Nov 7. PMID: [18989615](#)

Article Published Date : May 01, 2009

Authors : Qinghua He, Xiangfeng Kong, Guoyao Wu, Pingping Ren, Huiru Tang, Fuhua Hao, Ruilin Huang, Tiejun Li, Bie Tan, Peng Li, Zhiru Tang, Yulong Yin, Yongning Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(105) : AC(35), [Overweight](#) : CK(3260) : AC(536)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Lipolytic](#) : CK(45) : AC(16)

Oxidative Stress (AC 6) (CK 20)

L-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise.

Pubmed Data : Br J Nutr. 2006 Jan;95(1):67-75. PMID: [16441918](#)

Article Published Date : Jan 01, 2006

Authors : Wan-Teng Lin, Suh-Ching Yang, Shiow-Chwen Tsai, Chi-Chang Huang, Ning-Yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252) , Muscle Damage: Exercise-Induced : CK(155) : AC(22) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Cardioprotective : CK(1581) : AC(405)

L-arginine has a protective effect against cisplatin-induced renal oxidative stress and toxicity.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2005 Aug;97(2):91-7. PMID: [15998355](#)

Article Published Date : Aug 01, 2005

Authors : Samira Saleh, Ebtehal El-Demerdash

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(319) : AC(133) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antineoplastic Agents : CK(1158) : AC(639) , Antioxidants : CK(7226) : AC(2647) , Enzyme Inhibitors : CK(463) : AC(250) , Nitric Oxide Enhancer : CK(189) : AC(46)

L-arginine may have a beneficial effect on airway hyperresponsiveness and airway inflammation in asthma.

Pubmed Data : J Allergy Clin Immunol. 2010 Mar;125(3):626-35. Epub 2010 Feb 11. PMID: [20153031](#)

Article Published Date : Mar 01, 2010

Authors : Ulaganathan Mabalirajan, Tanveer Ahmad, Geeta Devi Leishangthem, Duraisamy Arul Joseph, Amit Kumar Dinda, Anurag Agrawal, Balaram Ghosh

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Allergic Airway Diseases : CK(69) : AC(25) , Asthma : CK(1146) : AC(188) , Bronchial Asthma : CK(1229) : AC(186) , Inflammation : CK(2880) : AC(844) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46)

L-arginine protects against pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats.

Pubmed Data : Acta Pharmacol Sin. 2005 Aug;26(8):992-9. PMID: [16038634](#)

Article Published Date : Aug 01, 2005

Authors : Wang-teng Lin, Suh-ching Yang, Kung-tung Chen, Chi-chang Huang, Ning-yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252) , Lung Damage : CK(8) : AC(4) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Glutathione Upregulation : CK(152) : AC(53) , Malondialdehyde Down-regulation : CK(541) : AC(145) , Superoxide Dismutase Up-regulation : CK(508) : AC(171)

L-arginine supplementation decreased hypertension (HT), proteinuria, and ADMA levels indicating that taking L-arginine may be beneficial in preeclampsia treatment.

Pubmed Data : Cell Biochem Funct. 2008 Sep-Oct;26(5):648-53. PMID: [18521818](#)

Article Published Date : Sep 01, 2008

Authors : Zekiye Sultan Altun, Sezer Uysal, Gul Guner, Osman Yilmaz, Cemal Posaci

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Hypertension : CK(2864) : AC(397) , Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15) , Oxidative Stress : CK(3811) : AC(1363) , Pre-Eclampsia : CK(299) : AC(33)

Supplements of L-arginine attenuate the effects of high-fat meal on endothelial function and oxidative stress.

Pubmed Data : Int J Cardiol. 2008 Jul 21;127(3):337-41. Epub 2007 Jul 30. PMID: [17659795](#)

Article Published Date : Jul 21, 2008

Authors : Chih-Chan Lin, Wei-Chuan Tsai, Ju-Yi Chen, Yi-Heng Li, Li-Jen Lin, Jyh-Hong Chen

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231) , Oxidative Stress : CK(3811) : AC(1363)

Additional Keywords : High-Fat Diet : CK(16) : AC(4)

Pancreatic Cancer (AC 1) (CK 1)

A combination of lysine, proline, arginine, ascorbic acid

and green tea extract inhibits a pancreatic cancer cell line.

Pubmed Data : Int J Gastrointest Cancer. 2005;35(2):97-102. PMID: [15879623](#)

Article Published Date : Jan 01, 2005

Authors : M Waheed Roomi, Vadim Ivanov, Tatiana Kalinovsky, Aleksandra Niedzwiecki, Matthias Rath

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Green Tea : CK(1934) : AC(549), Lysine : CK(83) : AC(23), Proline : CK(19) : AC(8), Vitamin C : CK(1953) : AC(401)

Diseases : Pancreatic Cancer : CK(887) : AC(259)

Peripheral Arterial Disease (AC 2) (CK 20)

L-arginine improves symptoms of intermittent claudication in patients with arterial occlusive disease.

Pubmed Data : J Am Coll Cardiol. 1998 Nov;32(5):1336-44. PMID: [9809945](#)

Article Published Date : Nov 01, 1998

Authors : R H Böger, S M Bode-Böger, W Thiele, A Creutzig, K Alexander, J C Frölich

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Intermittent Claudication : CK(162) : AC(19), Peripheral Arterial Disease : CK(282) : AC(29)

L-arginine infusion decreases peripheral arterial resistance and inhibits platelet aggregation in healthy subjects.

Pubmed Data : Clin Sci (Lond). 1994 Sep;87(3):303-10. PMID: [7955906](#)

Article Published Date : Sep 01, 1994

Authors : S M Bode-Böger, R H Böger, A Creutzig, D Tsikas, F M Gutzki, K Alexander, J C Frölich

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Peripheral Arterial Disease](#) : CK(282) : AC(29)

Pharmacological Actions : [Platelet Aggregation Inhibitors](#) : CK(186) : AC(40)

Peripheral Vascular Diseases (AC 3) (CK 21)

L-arginine improves endothelial function and vascular elastic properties of the arterial tree during the acute phase of smoking.

Pubmed Data : Am J Hypertens. 2009 Jun;22(6):586-92. Epub 2009 Mar 19. PMID: [19300425](#)

Article Published Date : Jun 01, 2009

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Kostas Zisimos, Zoi Siasou, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Peripheral Vascular Diseases](#) : CK(221) : AC(23), [Smoking](#) : CK(676) : AC(102), [Tobacco Toxicity](#) : CK(106) : AC(18)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405)

L-arginine may improve walking speed in patients with peripheral arterial disease.

Pubmed Data : Vasc Med. 2005 Nov;10(4):265-74. PMID: [16444855](#)

Article Published Date : Nov 01, 2005

Authors : Roberta K Oka, Andrzej Szuba, John C Giacomini, John P Cooke

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Intermittent Claudication](#) : CK(162) : AC(19), [Peripheral Vascular Diseases](#) : CK(221) : AC(23)

Meta-Analysis: L-arginine has a wide range of potential therapeutic applications.

Pubmed Data : J Med. 1999;30(3-4):131-48. PMID: [17312667](#)

Article Published Date : Jan 01, 1999

Authors : E Z Fisman, A Tenenbaum, I Shapira, A Pines, M Motro

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aging : CK(1593) : AC(430), Coronary Artery Disease : CK(1468) : AC(155), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Heart Failure : CK(908) : AC(123), Hypercholesterolemia : CK(1426) : AC(226), Peripheral Vascular Diseases : CK(221) : AC(23), Smoking : CK(676) : AC(102)

Polycystic Ovary Syndrome (AC 1) (CK 10)

L-arginine appears to counteract the hypertensive properties of estradiol in patients with PCOS.

Pubmed Data : Gynecol Endocrinol. 2010 Dec;26(12):861-8. Epub 2010 Jul 20. PMID: [20642382](#)

Article Published Date : Dec 01, 2010

Authors : Cesare Battaglia, Fulvia Mancini, Bruno Battaglia, Fabio Facchinetti, Paolo G Artini, Stefano Venturoli

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Testosterone : CK(164) : AC(29)

Diseases : Drug-Induced Toxicity : CK(562) : AC(83), Estrogen Toxicity : CK(10) : AC(1), Polycystic Ovary Syndrome : CK(346) : AC(43)

Pharmacological Actions : Antihypertensive Agents : CK(1047) : AC(153)

Additional Keywords : Sex Hormone-Binding Globulin : CK(100) : AC(10)

Pre-Eclampsia (AC 4) (CK 32)

Arginine supplements may improve foetal well-being and neonatal outcome in preeclampsia.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2006 Aug;99(2):146-52. PMID: [16918716](#)

Article Published Date : Aug 01, 2006

Authors : Krzysztof Rytlewski, Rafal Olszanecki, Ryszard Lauterbach, Anna Grzyb, Antoni Basta

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Pre-Eclampsia : CK(299) : AC(33)

L-arginine supplementation decreased hypertension (HT), proteinuria, and ADMA levels indicating that taking L-arginine may be beneficial in preeclampsia treatment.

Pubmed Data : Cell Biochem Funct. 2008 Sep-Oct;26(5):648-53. PMID: [18521818](#)

Article Published Date : Sep 01, 2008

Authors : Zekiye Sultan Altun, Sezer Uysal, Gul Guner, Osman Yilmaz, Cemal Posaci

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Hypertension : CK(2864) : AC(397), Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15), Oxidative Stress : CK(3811) : AC(1363), Pre-Eclampsia : CK(299) : AC(33)

L-arginine supplementation is a safe, efficient strategy for treating preeclampsia.

Pubmed Data : Eur J Clin Invest. 2005 Jan;35(1):32-7. PMID: [15638817](#)

Article Published Date : Jan 01, 2005

Authors : K Rytlewski, R Olszanecki, R Korbut, Z Zdebski

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15), Pre-Eclampsia : CK(299) : AC(33)

Pharmacological Actions : Hypotensive : CK(435) : AC(59)

L-arginine supplementation is beneficial in prolonging pregnancy and reducing blood pressure in patients with gestational hypertension.

Pubmed Data : Hypertens Pregnancy. 2007;26(1):121-30. PMID: [17454224](#)

Article Published Date : Jan 01, 2007

Authors : Fabio Facchinetti, George R Saade, Isabella Neri, Cristina Pizzi, Monica Longo, Annibale Volpe

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hypertension: Pre-Eclampsia Induced](#) : CK(142) : AC(15) , [Pre-Eclampsia](#) : CK(299) : AC(33)

Prenatal Nutrition: Health of the Offspring (AC 1) (CK 10)

L-Arginine supplementation in pregnant women with mild chronic hypertension does not significantly affect overall blood pressure but is associated with less need for antihypertensive medications and a trend toward fewer maternal and neonatal complicatio

Pubmed Data : J Matern Fetal Neonatal Med. 2010 Dec;23(12):1456-60. Epub 2010 Oct 20. PMID: [20958228](#)

Article Published Date : Dec 01, 2010

Authors : Isabella Neri, Francesca Monari, Laura Sgarbi, Alberto Berardi, Giuseppe Masellis, Fabio Facchinetti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypertension](#) : CK(2864) : AC(397) , [Prenatal Nutrition: Health of the Offspring](#) : CK(246) : AC(35) , [Prenatal Nutrition: Prevention of Problems](#) : CK(367) : AC(42)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

Prenatal Nutrition: Prevention of Problems (AC 3) (CK 14)

Dietary arginine supplementation during early pregnancy enhances embryonic survival in rats.

Pubmed Data : J Nutr. 2008 Aug;138(8):1421-5. PMID: [18641185](#)

Article Published Date : Aug 01, 2008

Authors : Xiangfang Zeng, Fenglai Wang, Xia Fan, Wenjun Yang, Bo Zhou, Pengfei Li, Yulong Yin, Guoyao Wu, Junjun Wang

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Infertility: Female : CK(280) : AC(50), Miscarriage : CK(323) : AC(37), Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

L-Arginine supplementation in pregnant women with mild chronic hypertension does not significantly affect overall blood pressure but is associated with less need for antihypertensive medications and a trend toward fewer maternal and neonatal complications

Pubmed Data : J Matern Fetal Neonatal Med. 2010 Dec;23(12):1456-60. Epub 2010 Oct 20. PMID: [20958228](#)

Article Published Date : Dec 01, 2010

Authors : Isabella Neri, Francesca Monari, Laura Sgarbi, Alberto Berardi, Giuseppe Masellis, Fabio Facchinetti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Hypertension : CK(2864) : AC(397), Prenatal Nutrition: Health of the Offspring : CK(246) : AC(35), Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151)

L-arginine improve the NO production and prevents glomerular hypertrophy in the offspring of diabetic mothers.

Pubmed Data : Pediatr Res. 2007 Aug;62(2):145-50. PMID: [17597655](#)

Article Published Date : Aug 01, 2007

Authors : Maria de Fatima Cavanal, Guiomar Nascimento Gomes, Andre L Forti, Silvia Oliveira Rocha, Maria do Carmo Pinho Franco, Zuleica B Fortes, Frida Zaladek Gil

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231), Gestational Diabetes : CK(76) : AC(10), Hypertension : CK(2843) : AC(395), Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46), Vasodilator Agents : CK(342) : AC(73)

Pressure Ulcer (AC 2) (CK 20)

Arginine has a healing effect on pressure ulcer for individuals with spinal cord injury living in the community.

Pubmed Data : J Wound Care. 2010 Jul;19(7):311-6. PMID: [20616774](#)

Article Published Date : Jul 01, 2010

Authors : S Brewer, K Desneves, L Pearce, K Mills, L Dunn, D Brown, T Crowe

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Pressure Ulcer : CK(50) : AC(8), Wound Healing : CK(529) : AC(160)

Arginine supplementation improves pressure ulcer healing.

Pubmed Data : J Nutr Health Aging. 2011 Apr;15(4):282-6. PMID: [21437560](#)

Article Published Date : Apr 01, 2011

Authors : J Yatabe, F Saito, I Ishida, A Sato, M Hoshi, K Suzuki, T Kameda, S Ueno, M S Yatabe, T Watanabe, H Sanada

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Pressure Ulcer : CK(50) : AC(8), Wound Healing : CK(529) : AC(160)

Progesterone: Low (AC 1) (CK 2)

Arginine supplementation increases progesterone levels in female sheep.

Pubmed Data : Pak J Biol Sci. 2008 Oct 15;11(20):2389-94. PMID: [19137847](#)

Article Published Date : Oct 15, 2008

Authors : Fawzi M Al-Dabbas, Amara H Hamra, Faisal T Awawdeh

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Progesterone: Low](#) : CK(32) : AC(14)

Pharmacological Actions : [Secretagogue](#) : CK(178) : AC(38)

Pulmonary Hypertension (AC 1) (CK 2)

L-arginine compares favorably with calcium channel blockers in the treatment of hypoxic pulmonary hypertension and right ventricular hypertrophy.

Pubmed Data : Zhonghua Jie He He Hu Xi Za Zhi. 1994 Dec;17(6):372-4, 385. PMID: [7712585](#)

Article Published Date : Dec 01, 1994

Authors : M R Li, S C Chen, G Ma

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Pulmonary Hypertension](#) : CK(92) : AC(35), [Right Ventricular Hypertrophy](#) : CK(22) : AC(11)

Additional Keywords : [Drugs: Calcium Channel Blockers](#) : CK(2) : AC(1), [Natural Substances Versus Drugs](#) : CK(1694) : AC(300)

Restless Legs Syndrome (AC 1) (CK 10)

Arginine may have therapeutic value in restless leg

syndrome.

Pubmed Data : Mov Disord. 2008 Feb 15 ;23(3):350-8. PMID: [18058820](#)

Article Published Date : Feb 14, 2008

Authors : Juliane Winkelmann, Peter Lichtner, Barbara Schormair, Manfred Uhr, Stephanie Hauk, Karin Stiasny-Kolster, Claudia Trenkwalder, Walter Paulus, Ines Peglau, Ilonka Eisensehr, Thomas Illig, H-Erich Wichmann, Hildegard Pfister, Jelena Golic, Thomas Bettecken, Benno Pütz, Florian Holsboer, Thomas Meitinger, Bertram Müller-Myhsok

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Restless Legs Syndrome](#) : CK(91) : AC(8)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Rheumatoid Arthritis (AC 1) (CK 10)

Oral supplementation with a combination of beta-hydroxy-beta-methylbutyrate, arginine, and glutamine has therapeutic value in the treatment of rheumatoid cachexia.

Pubmed Data : Clin Nutr. 2005 Jun;24(3):442-54. Epub 2005 Apr 21. PMID: [15896432](#)

Article Published Date : Jun 01, 2005

Authors : Samuele Marcora, Andrew Lemmey, Peter Maddison

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [Beta-hydroxy-beta-methylbutyrate](#) : CK(30) : AC(3), [Glutamine](#) : CK(123) : AC(24)

Diseases : [Cachexia](#) : CK(77) : AC(25), [Rheumatoid Arthritis](#) : CK(706) : AC(117)

Right Ventricular Hypertrophy (AC 3) (CK 6)

L-arginine compares favorably with calcium channel blockers in the treatment of hypoxic pulmonary hypertension and right ventricular hypertrophy.

Pubmed Data : Zhonghua Jie He He Hu Xi Za Zhi. 1994 Dec;17(6):372-4, 385. PMID: [7712585](#)

Article Published Date : Dec 01, 1994

Authors : M R Li, S C Chen, G Ma

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Pulmonary Hypertension : CK(92) : AC(35) , Right Ventricular Hypertrophy : CK(22) : AC(11)

Additional Keywords : Drugs: Calcium Channel Blockers : CK(2) : AC(1) , Natural Substances Versus Drugs : CK(1694) : AC(300)

L-arginine has a protective effect against hypoxia-induced pulmonary hypertension and right ventricular hypertrophy in rats.

Pubmed Data : Hua Xi Yi Ke Da Xue Xue Bao. 1996 Mar;27(1):68-70. PMID: [9208624](#)

Article Published Date : Mar 01, 1996

Authors : D Cheng, W Chen, X Yang

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hypertension: Pulmonary : CK(92) : AC(35) , Right Ventricular Hypertrophy : CK(22) : AC(11)

L-argining may attenuate experimentally-induced pulmonary artery hypertension in rats.

Pubmed Data : Am J Physiol Endocrinol Metab. 2010 Mar 9. Epub 2010 Mar 9. PMID: [20215577](#)

Article Published Date : Mar 09, 2010

Authors : Zhi-Jun Ou, Wei Wei, Da-De Huang, Wei Luo, Dan Luo, Zhi-Ping Wang, Xi Zhang, Jing-Song Ou

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hypertension: Pulmonary : CK(92) : AC(35) , Hypertrophy: Right Ventricular : CK(4) : AC(2) , Right Ventricular Hypertrophy : CK(22) : AC(11)

Scurvy (AC 1) (CK 1)

Arginine may play a role in ameliorating scurvy.

Pubmed Data : J Ethnobiol Ethnomed. 2009;5:5. Epub 2009 Feb 2. PMID: [19187550](#)

Article Published Date : Jan 01, 2009

Authors : Don J Durzan

Study Type : Review

Additional Links

Substances : Arginine : CK(1012) : AC(176), Vitamin C : CK(1953) : AC(401)

Diseases : Scurvy : CK(2) : AC(2)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Seizures (AC 1) (CK 2)

Supplementation with folic acid and l-arginine has an antiepileptic effect in dl homocysteine thiolactone induced epilepsy.

Pubmed Data : Can J Physiol Pharmacol. 2016 Jun 22:1-7. Epub 2016 Jun 22. PMID: [27494641](#)

Article Published Date : Jun 21, 2016

Authors : A Rasic-Markovic, D Hrnica, D Krstic, M Colovic, E Djuric, B Rankov-Petrovic, V Susic, O Stanojlovic, D Djuric

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Folic Acid : CK(643) : AC(93)

Diseases : High Homocysteine : CK(443) : AC(65), Seizures : CK(188) : AC(54)

Pharmacological Actions : Anticonvulsants : CK(235) : AC(65)

Short Bowel Syndrome (AC 1) (CK 2)

L-arginine stimulates intestinal adaptation following massive small bowel resection in rats.

Pubmed Data : Asia Pac J Clin Nutr. 2007;16(3):554-60. PMID: [17704037](#)

Article Published Date : Jan 01, 2007

Authors : Xiaohua Jiang, Weiming Zhu, Ning Li, Li Tan, Jieshou Li

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Short Bowel Syndrome : CK(32) : AC(8)

Smoking (AC 3) (CK 21)

L-arginine improves endothelial function and vascular elastic properties of the arterial tree during the acute phase of smoking.

Pubmed Data : Am J Hypertens. 2009 Jun;22(6):586-92. Epub 2009 Mar 19. PMID: [19300425](#)

Article Published Date : Jun 01, 2009

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Kostas Zisimos, Zoi Siasou, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231), Peripheral Vascular Diseases : CK(221) : AC(23), Smoking : CK(676) : AC(102), Tobacco Toxicity : CK(106) : AC(18)

Pharmacological Actions : Cardioprotective : CK(1581) : AC(405)

Meta-Analysis: L-arginine has a wide range of potential therapeutic applications.

Pubmed Data : J Med. 1999;30(3-4):131-48. PMID: [17312667](#)

Article Published Date : Jan 01, 1999

Authors : E Z Fisman, A Tenenbaum, I Shapira, A Pines, M Motro

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aging : CK(1593) : AC(430), Coronary Artery Disease : CK(1468) : AC(155), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Heart Failure : CK(908) : AC(123), Hypercholesterolemia : CK(1426) : AC(226), Peripheral Vascular Diseases : CK(221) : AC(23), Smoking : CK(676) : AC(102)

Short-term treatment with L-arginine prevents the smoking-induced impairment of endothelial function and vascular elastic properties in young individuals.

Pubmed Data : Int J Cardiol. 2008 Jun 6;126(3):394-9. Epub 2007 Jun 22. PMID: [17588688](#)

Article Published Date : Jun 06, 2008

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Ioannis Andreou, Kostas Zisimos, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Arterial Hardening: Elasticity : CK(186) : AC(21), Endothelial Dysfunction : CK(1166) : AC(231), Smoking : CK(676) : AC(102), Tobacco Toxicity : CK(106) : AC(18)

Sperm Count: Low (AC 2) (CK 20)

Pycnogenol and L-arginine combination is helpful for infertile men to ameliorate simultaneously quality of sperms as well as erectile functions.

Pubmed Data : Arch Ital Urol Androl. 2015 Sep ;87(3):190-3. Epub 2015 Sep 30. PMID: [26428638](#)

Article Published Date : Aug 31, 2015

Authors : Yoshitomo Kobori, Keisuke Suzuki, Toshiyuki Iwahata, Takeshi Shin, Yuko Sadaoka, Ryo Sato, Kojiro Nishio, Hiroshi Yagi, Gaku Arai, Shigehiro Soh, Hiroshi Okada, Jeffry Michael Strong, Peter Rohdewald

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Pycnogenol (Pine Bark) : CK(556) : AC(94)

Diseases : Erectile Dysfunction : CK(338) : AC(53), Sperm Count: Low : CK(60) : AC(10), Sperm Quality: Low : CK(218) : AC(46)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Fertility Agents: Male : CK(60) : AC(14)

Additional Keywords : Plant Extracts : CK(7304) : AC(2423)

Supplementation with Prelox R enhanced sperm volume and concentration, motility, vitality and morphology.

Pubmed Data : Minerva Urol Nefrol. 2014 Dec ;66(4):217-23. PMID: [25531191](#)

Article Published Date : Nov 30, 2014

Authors : R Stanislavov, P Rohdewald

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Citrulline](#) : CK(122) : AC(18), [Pycnogenol \(Pine Bark\)](#) : CK(556) : AC(94)

Diseases : [Sperm Count: Low](#) : CK(60) : AC(10)

Pharmacological Actions : [Fertility Agents: Male](#) : CK(60) : AC(14)

Additional Keywords : [Phytotherapy](#) : CK(1175) : AC(216), [Plant Extracts](#) : CK(7309) : AC(2424)

Sperm Quality: Low (AC 2) (CK 20)

Pycnogenol and L-arginine combination is helpful for infertile men to ameliorate simultaneously quality of sperms as well as erectile functions.

Pubmed Data : Arch Ital Urol Androl. 2015 Sep ;87(3):190-3. Epub 2015 Sep 30. PMID: [26428638](#)

Article Published Date : Aug 31, 2015

Authors : Yoshitomo Kobori, Keisuke Suzuki, Toshiyuki Iwahata, Takeshi Shin, Yuko Sadaoka, Ryo Sato, Kojiro Nishio, Hiroshi Yagi, Gaku Arai, Shigehiro Soh, Hiroshi Okada, Jeffry Michael Strong, Peter Rohdewald

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Pycnogenol \(Pine Bark\)](#) : CK(556) : AC(94)

Diseases : [Erectile Dysfunction](#) : CK(338) : AC(53), [Sperm Count: Low](#) : CK(60) : AC(10), [Sperm Quality: Low](#) : CK(218) : AC(46)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647), [Fertility Agents: Male](#) : CK(60) : AC(14)

Additional Keywords : [Plant Extracts](#) : CK(7304) : AC(2423)

Treatment with carnitine, acetyl carnitine, L-arginine and ginseng improves sperm motility and sexual health in

men with asthenopermia.

Pubmed Data : Minerva Urol Nefrol. 2010 Sep;62(3):213-8. PMID: [20940690](#)

Article Published Date : Sep 01, 2010

Authors : G Morgante, V Sclaro, C Tosti, A Di Sabatino, P Piomboni, V De Leo

Study Type : Human Study

Additional Links

Substances : Acetyl-L-carnitine : CK(211) : AC(36), Arginine : CK(1012) : AC(176), Carnitine : CK(436) : AC(67), Ginseng : CK(473) : AC(133)

Diseases : Asthenozoospermia : CK(62) : AC(9), Sperm Quality: Low : CK(218) : AC(46)

Spinal Cord Injuries (AC 1) (CK 2)

L-arginine reverses alterations in drug disposition induced by spinal cord injury by increasing hepatic blood flow.

Pubmed Data : J Neurotrauma. 2007 Dec;24(12):1855-62. PMID: [18159997](#)

Article Published Date : Dec 01, 2007

Authors : Antonio Vertiz-Hernandez, Gilberto Castaneda-Hernandez, Angelina Martinez-Cruz, Leticia Cruz-Antonio, Israel Grijalva, Gabriel Guizar-Sahagun

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Spinal Cord Injuries : CK(139) : AC(46)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46), Vasodilator Agents : CK(342) : AC(73)

Steroid-Induced Toxicity (AC 1) (CK 2)

L-arginine prevents glucocorticoid-induced reduction of bone growth and bone turnover abnormalities in a

growing rat model.

Pubmed Data : J Bone Miner Metab. 2005;23(2):134-9. PMID: [15750691](#)

Article Published Date : Jan 01, 2005

Authors : Pietra Pennisi, Maria Antonia D'Alcamo, Concetta Leonetti, Anna Clementi, Vincenza Maria Cutuli, Stefania Riccobene, Natalia Parisi, Carmelo Erio Fiore

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Osteoporosis: Steroid-Induced](#) : CK(28) : AC(6) , [Steroid-Induced Toxicity](#) : CK(24) : AC(9)

Subarachnoid hemorrhage (AC 1) (CK 2)

L-arginine improves cerebral blood perfusion and vasomotion of microvessels following subarachnoid hemorrhage in rats.

Pubmed Data : Clin Hemorheol Microcirc. 2003;29(3-4):391-400. PMID: [14724366](#)

Article Published Date : Jan 01, 2003

Authors : Bao-Liang Sun, Su-Ming Zhang, Zuo-Li Xia, Ming-Feng Yang, Hui Yuan, Jian Zhang, Rui-Juan Xiu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Cerebral Ischemia](#) : CK(223) : AC(73) , [Subarachnoid hemorrhage](#) : CK(60) : AC(9)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(2243) : AC(1057)

Tobacco Toxicity (AC 2) (CK 20)

L-arginine improves endothelial function and vascular

elastic properties of the arterial tree during the acute phase of smoking.

Pubmed Data : Am J Hypertens. 2009 Jun;22(6):586-92. Epub 2009 Mar 19. PMID: [19300425](#)

Article Published Date : Jun 01, 2009

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Kostas Zisimos, Zoi Siasou, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231) , Peripheral Vascular Diseases : CK(221) : AC(23), Smoking : CK(676) : AC(102), Tobacco Toxicity : CK(106) : AC(18)

Pharmacological Actions : Cardioprotective : CK(1581) : AC(405)

Short-term treatment with L-arginine prevents the smoking-induced impairment of endothelial function and vascular elastic properties in young individuals.

Pubmed Data : Int J Cardiol. 2008 Jun 6;126(3):394-9. Epub 2007 Jun 22. PMID: [17588688](#)

Article Published Date : Jun 06, 2008

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Ioannis Andreou, Kostas Zisimos, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Arterial Hardening: Elasticity : CK(186) : AC(21) , Endothelial Dysfunction : CK(1166) : AC(231), Smoking : CK(676) : AC(102), Tobacco Toxicity : CK(106) : AC(18)

Triglycerides: Elevated (AC 1) (CK 10)

L-Arginine enhances the triglyceride-lowering effect of simvastatin in patients with elevated plasma triglycerides.

Pubmed Data : Nutr Res. 2009 May;29(5):291-7. PMID: [19555809](#)

Article Published Date : May 01, 2009

Authors : Friedrich Schulze, Sabrina Glos, Dörte Petruschka, Christiane Altenburg, Renke Maas, Ralf Benndorf, Edzard Schwedhelm, Ulrich Beil, Rainer H Böger

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Triglycerides: Elevated](#) : CK(678) : AC(117)

Pharmacological Actions : [Anticholesteremic Agents](#) : CK(1244) : AC(230)

Additional Keywords : [Drug Synergy](#) : CK(351) : AC(156)

Ulcerative Colitis (AC 1) (CK 2)

L-arginine augments the antioxidant effect of garlic against acetic acid-induced ulcerative colitis in rats.

Pubmed Data : Pak J Pharm Sci. 2009 Oct;22(4):373-80. PMID: [19783514](#)

Article Published Date : Oct 01, 2009

Authors : Gamal Eldin I Harisa, Osama M Abo-Salem, El-Sayed M El-Sayed, Ehab I Taha, Nermin El-Halawany

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Garlic](#) : CK(712) : AC(225)

Diseases : [Ulcerative Colitis](#) : CK(284) : AC(57)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647)

Additional Keywords : [Natural Substance Synergy](#) : CK(534) : AC(244), [Plant Extracts](#) : CK(7304) : AC(2423)

Uremia (AC 1) (CK 10)

L-arginine may have a therapeutic role in attenuating cardiovascular mortality and inflammation in malnourished uremic patients.

Pubmed Data : Cardiovasc Res. 2007 Jan 15;73(2):359-67. Epub 2006 Sep 30. PMID: [17078937](#)

Article Published Date : Jan 15, 2007

Authors : Tatiana M C Brunini, Antônio C Mendes-Ribeiro, John C Ellory, Giovanni E Mann

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Fibrinogen: Elevated](#) : CK(104) : AC(12), [Uremia](#) : CK(91) : AC(20)

Wound Healing (AC 10) (CK 51)

Arginine has a healing effect on pressure ulcer for individuals with spinal cord injury living in the community.

Pubmed Data : J Wound Care. 2010 Jul;19(7):311-6. PMID: [20616774](#)

Article Published Date : Jul 01, 2010

Authors : S Brewer, K Desneves, L Pearce, K Mills, L Dunn, D Brown, T Crowe

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Pressure Ulcer](#) : CK(50) : AC(8), [Wound Healing](#) : CK(529) : AC(160)

Arginine supplementation improves pressure ulcer healing.

Pubmed Data : J Nutr Health Aging. 2011 Apr;15(4):282-6. PMID: [21437560](#)

Article Published Date : Apr 01, 2011

Authors : J Yatabe, F Saito, I Ishida, A Sato, M Hoshi, K Suzuki, T Kameda, S Ueno, M S Yatabe, T Watanabe, H Sanada

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Pressure Ulcer](#) : CK(50) : AC(8), [Wound Healing](#) : CK(529) : AC(160)

Arginine supplementation increased net protein balance in skin wound and muscle by a mechanism which was independent of nitric oxide production.

Pubmed Data : Clin Nutr. 2008 Aug;27(4):649-56. Epub 2008 Mar 7. PMID: [18316142](#)

Article Published Date : Aug 01, 2008

Authors : Xiao-jun Zhang, David L Chinkes, Robert R Wolfe

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(105) : AC(35), [Wound Healing](#) : CK(529) : AC(160)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Dietary L-arginine may speed cutaneous wound healing.

Pubmed Data : Ital J Anat Embryol. 2008 Jul-Sep;113(3):135-42. PMID: [19205585](#)

Article Published Date : Jul 01, 2008

Authors : Masoud Naderpour, Jafar Soleimani Rad, Esmail Ayat, Mehran Mesgari, Ramin M Farahani, Leila Roshangar, R Shane Tubbs, Mohammadali M Shoja

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Wound Healing](#) : CK(529) : AC(160)

L-Arginine supplementation enhances diabetic wound healing.

Pubmed Data : Metabolism. 2002 Oct;51(10):1269-73. PMID: [12370845](#)

Article Published Date : Oct 01, 2002

Authors : Maria B Witte, Frank J Thornton, Udaya Tantry, Adrian Barbul

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Diabetic Ulcer](#) : CK(155) : AC(25), [Wound Healing](#) : CK(529) : AC(160)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine improves wound healing after trauma-hemorrhage by increasing collagen synthesis.

Pubmed Data : J Trauma. 2005 Jul;59(1):162-8. PMID: [16096557](#)

Article Published Date : Jul 01, 2005

Authors : F Wittmann, N Prix, S Mayr, P Angele, M W Wichmann, N K van den Engel, T Hernandez-Richter, I H Chaudry, K W Jauch, Martin K Angele

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : Hemorrhage: Trauma : CK(8) : AC(5) , Wound Healing : CK(529) : AC(160)

L-arginine supplementation has a beneficial effect on wound healing.

Pubmed Data : Nitric Oxide. 2009 Nov-Dec;21(3-4):175-83. Epub 2009 Jul 26. PMID: [19638312](#)

Article Published Date : Nov 01, 2009

Authors : I B J G Debats, T G A M Wolfs, T Gotoh, J P M Cleutjens, C J Peutz-Kootstra, R R W J van der Hulst

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Wound Healing : CK(529) : AC(160)

Supplemental L-arginine enhances wound healing following trauma/hemorrhagic shock.

Pubmed Data : Wound Repair Regen. 2007 Jan-Feb;15(1):66-70. PMID: [17244321](#)

Article Published Date : Jan 01, 2007

Authors : Han Ping Shi, Shen Ming Wang, Guang Xin Zhang, Yun Jiang Zhang, Adrian Barbul

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hemorrhage: Trauma Associated : CK(2) : AC(1) , Hemorrhagic Shock : CK(8) : AC(2) , Wound Healing : CK(529) : AC(160)

Supplemental L-arginine enhances wound healing in diabetic rats.

Pubmed Data : Wound Repair Regen. 2003 May-Jun;11(3):198-203. PMID: [12753601](#)

Article Published Date : May 01, 2003

Authors : Han Ping Shi, Daniel Most, David T Efron, Maria B Witte, Adrian Barbul

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Wound Healing : CK(529) : AC(160)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Vitamin C, Arginine, Zinc, and protein supplementation may improve wound healing disorders.

Pubmed Data : Curr Opin Clin Nutr Metab Care. 2009 Nov;12(6):588-95. PMID: [19770648](#)

Article Published Date : Nov 01, 2009

Authors : Sabine Ellinger, Peter Stehle

Study Type : Commentary

Additional Links

Substances : Arginine : CK(999) : AC(173), Protein Supplement : CK(73) : AC(7), Vitamin C : CK(1953) : AC(401), Zinc : CK(941) : AC(139)

Diseases : Wound Healing : CK(529) : AC(160), Wound Healing: Delayed : CK(74) : AC(29)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647)

Wound Healing: Delayed (AC 1) (CK 1)

Vitamin C, Arginine, Zinc, and protein supplementation may improve wound healing disorders.

Pubmed Data : Curr Opin Clin Nutr Metab Care. 2009 Nov;12(6):588-95. PMID: [19770648](#)

Article Published Date : Nov 01, 2009

Authors : Sabine Ellinger, Peter Stehle

Study Type : Commentary

Additional Links

Substances : Arginine : CK(999) : AC(173), Protein Supplement : CK(73) : AC(7), Vitamin C : CK(1953) : AC(401), Zinc : CK(941) : AC(139)

Diseases : Wound Healing : CK(529) : AC(160), Wound Healing: Delayed : CK(74) : AC(29)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647)

Category : Pharmacological Actions

Anabolic Agents (AC 4) (CK 8)

Arginine supplementation increased net protein balance in skin wound and muscle by a mechanism which was

independent of nitric oxide production.

Pubmed Data : Clin Nutr. 2008 Aug;27(4):649-56. Epub 2008 Mar 7. PMID: [18316142](#)

Article Published Date : Aug 01, 2008

Authors : Xiao-jun Zhang, David L Chinkes, Robert R Wolfe

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(105) : AC(35), [Wound Healing](#) : CK(529) : AC(160)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Dietary L-arginine supplementation increases muscle gain and reduces body fat mass in growing-finishing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):169-75. Epub 2008 Aug 6. PMID: [18683021](#)

Article Published Date : May 01, 2009

Authors : Bie Tan, Yulong Yin, Zhiqiang Liu, Xinguo Li, Haijun Xu, Xiangfeng Kong, Ruilin Huang, Wenjie Tang, Izuru Shinzato, Stephen B Smith, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(95) : AC(34), [Obesity](#) : CK(2179) : AC(459), [Overweight](#) : CK(3260) : AC(536)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Anti-Adipogenic](#) : CK(110) : AC(52)

Dietary arginine supplementation alters the catabolism of fat and amino acids in the whole body, enhances protein synthesis in skeletal muscle, and modulates intestinal microbial metabolism in growing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):199-208. Epub 2008 Nov 7. PMID: [18989615](#)

Article Published Date : May 01, 2009

Authors : Qinghua He, Xiangfeng Kong, Guoyao Wu, Pingping Ren, Huiru Tang, Fuhua Hao, Ruilin Huang, Tiejun Li, Bie Tan, Peng Li, Zhiru Tang, Yulong Yin, Yongning Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(105) : AC(35), [Overweight](#) : CK(3260) : AC(536)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Lipolytic](#) : CK(45) : AC(16)

Dietary supplementation of L-arginine and conjugated

linoleic acid reduces retroperitoneal fat mass and increases lean body mass in rats.

Pubmed Data : J Nutr. 2009 Jul;139(7):1279-85. Epub 2009 May 13. PMID: [19439462](#)

Article Published Date : Jul 01, 2009

Authors : Jennifer L Nall, Guoyao Wu, Kyoung Hoon Kim, Chang Weon Choi, Stephen B Smith

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [CLA \(Conjugated Linoleic Acid\)](#) : CK(71) : AC(27)

Diseases : [Muscle Atrophy](#) : CK(95) : AC(34), [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Anti-Adipogenic](#) : CK(110) : AC(52)

Angiogenesis Inducing Agents (AC 1) (CK 2)

L-arginine ameliorates hypoxic pulmonary hypertension.

Pubmed Data : Am J Physiol Lung Cell Mol Physiol. 2009 Jun;296(6):L1042-50. Epub 2009 Apr 3. PMID: [19346433](#)

Article Published Date : Jun 01, 2009

Authors : K Howell, C M Costello, M Sands, I Dooley, P McLoughlin

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hypertension: Pulmonary](#) : CK(92) : AC(35), [Hypoxia](#) : CK(121) : AC(59)

Pharmacological Actions : [Angiogenesis Inducing Agents](#) : CK(2) : AC(1), [Vascular Endothelial Growth Factor A Inhibitor](#) : CK(132) : AC(71)

Anti-Adipogenic (AC 5) (CK 18)

Coconut kernel protein favorably modifies the effect of coconut oil on serum lipids.

Pubmed Data : Plant Foods Hum Nutr. 1999;53(2):133-44. PMID: [10472790](#)

Article Published Date : Jan 01, 1999

Authors : K G Padmakumaran Nair, T Rajamohan, P A Kurup

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Coconut](#) : CK(404) : AC(75), [Coconut Oil](#) : CK(177) : AC(38), [Coconut Protein](#) : CK(14) : AC(3)

Diseases : [High Cholesterol](#) : CK(1754) : AC(265)

Pharmacological Actions : [Anti-Adipogenic](#) : CK(110) : AC(52), [Hypolipidemic](#) : CK(1169) : AC(246)

Dietary L-arginine supplementation increases muscle gain and reduces body fat mass in growing-finishing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):169-75. Epub 2008 Aug 6. PMID: [18683021](#)

Article Published Date : May 01, 2009

Authors : Bie Tan, Yulong Yin, Zhiqiang Liu, Xinguo Li, Haijun Xu, Xiangfeng Kong, Ruilin Huang, Wenjie Tang, Izuru Shinzato, Stephen B Smith, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(95) : AC(34), [Obesity](#) : CK(2179) : AC(459), [Overweight](#) : CK(3260) : AC(536)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Anti-Adipogenic](#) : CK(110) : AC(52)

Dietary L-arginine supplementation reduces white fat gain and enhances skeletal muscle and brown fat masses in diet-induced obese rats.

Pubmed Data : J Nutr. 2009 Feb;139(2):230-7. Epub 2008 Dec 23. PMID: [19106310](#)

Article Published Date : Feb 01, 2009

Authors : Wenjuan Jobgen, Cynthia J Meininger, Scott C Jobgen, Peng Li, Mi-Jeong Lee, Stephen B Smith, Thomas E Spencer, Susan K Fried, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Anti-Adipogenic](#) : CK(110) : AC(52)

Dietary supplementation of L-arginine and conjugated linoleic acid reduces retroperitoneal fat mass and increases lean body mass in rats.

Pubmed Data : J Nutr. 2009 Jul;139(7):1279-85. Epub 2009 May 13. PMID: [19439462](#)

Article Published Date : Jul 01, 2009

Authors : Jennifer L Nall, Guoyao Wu, Kyoung Hoon Kim, Chang Weon Choi, Stephen B Smith

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [CLA \(Conjugated Linoleic Acid\)](#) : CK(71) : AC(27)

Diseases : [Muscle Atrophy](#) : CK(95) : AC(34), [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Anti-Adipogenic](#) : CK(110) : AC(52)

L-arginine has a beneficial effect on ameliorating diet-induced obesity in mammals.

Pubmed Data : Amino Acids. 2009 May;37(1):187-98. Epub 2009 Feb 12. PMID: [19212806](#)

Article Published Date : May 01, 2009

Authors : Wenjuan Jobgen, Wenjiang J Fu, Haijun Gao, Peng Li, Cynthia J Meiningner, Stephen B Smith, Thomas E Spencer, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Anti-Adipogenic](#) : CK(110) : AC(52)

Anti-Allergic Agents (AC 1) (CK 2)

L-arginine may have a role in reducing airway hyperactivity.

Pubmed Data : Gen Physiol Biophys. 2008 Jun;27(2):85-91. PMID: [18645222](#)

Article Published Date : Jun 01, 2008

Authors : A Strapková, M Antosová, G Nosálová

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25)

Pharmacological Actions : [Anti-Allergic Agents](#) : CK(167) : AC(61)

Anti-Inflammatory Agents (AC 3) (CK 13)

Dietary arginine supplementation alleviates intestinal mucosal disruption induced by Escherichia coli lipopolysaccharide in weaned pigs.

Pubmed Data : Br J Nutr. 2008 Sep;100(3):552-60. Epub 2008 Feb 14. PMID: [18275628](#)

Article Published Date : Sep 01, 2008

Authors : Yulan Liu, Jingjing Huang, Yongqing Hou, Huiling Zhu, Shengjun Zhao, Binying Ding, Yulong Yin, Ganfeng Yi, Junxia Shi, Wei Fan

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Escherichia coli Infections : CK(152) : AC(90) , Lipopolysaccharide-Induced Toxicity : CK(357) : AC(216)

Pharmacological Actions : Anti-Inflammatory Agents : CK(4541) : AC(1596) , Interleukin-6 Downregulation : CK(1078) : AC(337) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Glutamine and arginine-fortified PF with curcumin might be a promising option to enhance the effectiveness and expand the scope of EEN therapy.

Pubmed Data : JPEN J Parenter Enteral Nutr. 2016 Jan 29. Epub 2016 Jan 29. PMID: [26826259](#)

Article Published Date : Jan 28, 2016

Authors : Moftah H Alhagamhmad, Andrew S Day, Daniel A Lemberg, Steven T Leach

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(999) : AC(173) , Curcumin : CK(4132) : AC(2173) , Glutamine : CK(123) : AC(24) , Vitamin D : CK(3113) : AC(441)

Diseases : Crohn's Disease : CK(152) : AC(29) , Inflammatory Bowel Diseases : CK(990) : AC(187)

Pharmacological Actions : Anti-Inflammatory Agents : CK(4541) : AC(1596) , Interleukin-8 downregulation : CK(166) : AC(61)

Preoperative oral arginine and omega-3 fatty acid supplementation attenuate the systemic inflammatory response and infectious complications after gastrectomy

Pubmed Data : World J Surg. 2009 Sep;33(9):1815-21. PMID: [19629583](#)

Article Published Date : Sep 01, 2009

Authors : Yoshiki Okamoto, Keiichi Okano, Kunihiro Izuishi, Hisashi Usuki, Hisao Wakabayashi, Yasuyuki Suzuki

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [Omega-3 Fatty Acids](#) : CK(3268) : AC(387)

Diseases : [Gastric Surgery](#) : CK(23) : AC(3)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(4541) : AC(1596)

Anticholesteremic Agents (AC 2) (CK 12)

Arginine may work synergistically with statin drugs to prevent atherosclerosis development.

Pubmed Data : Ann Biol Clin (Paris). 2005 Sep-Oct;63(5):443-55. PMID: [16230278](#)

Article Published Date : Sep 01, 2005

Authors : C Rasmusen, L Cynober, R Couderc

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Atherosclerosis](#) : CK(579) : AC(147)

Pharmacological Actions : [Anticholesteremic Agents](#) : CK(1234) : AC(229), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Additional Keywords : [Drug Synergy](#) : CK(351) : AC(156)

L-Arginine enhances the triglyceride-lowering effect of simvastatin in patients with elevated plasma triglycerides.

Pubmed Data : Nutr Res. 2009 May;29(5):291-7. PMID: [19555809](#)

Article Published Date : May 01, 2009

Authors : Friedrich Schulze, Sabrina Glos, Dörte Petruschka, Christiane Altenburg, Renke Maas, Ralf Benndorf, Edzard Schwedhelm, Ulrich Beil, Rainer H Böger

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Triglycerides: Elevated : CK(678) : AC(117)

Pharmacological Actions : Anticholesteremic Agents : CK(1244) : AC(230)

Additional Keywords : Drug Synergy : CK(351) : AC(156)

Anticonvulsants (AC 1) (CK 2)

Supplementation with folic acid and l-arginine has an antiepileptic effect in dl homocysteine thiolactone induced epilepsy.

Pubmed Data : Can J Physiol Pharmacol. 2016 Jun 22:1-7. Epub 2016 Jun 22. PMID: [27494641](#)

Article Published Date : Jun 21, 2016

Authors : A Rasic-Markovic, D Hrnica, D Krstic, M Colovic, E Djuric, B Rankov-Petrovic, V Susic, O Stanojlovic, D Djuric

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Folic Acid : CK(643) : AC(93)

Diseases : High Homocysteine : CK(443) : AC(65), Seizures : CK(188) : AC(54)

Pharmacological Actions : Anticonvulsants : CK(235) : AC(65)

Antihypertensive Agents (AC 8) (CK 71)

Dietary supplements and nutraceuticals could help with hypertension.

Pubmed Data : High Blood Press Cardiovasc Prev. 2015 Mar 19. Epub 2015 Mar 19. PMID: [25788027](#)

Article Published Date : Mar 18, 2015

Authors : Arrigo F G Cicero, Alessandro Colletti

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173) , Beet : CK(103) : AC(26) , Cocoa : CK(522) : AC(77) , Coenzyme Q10 : CK(941) : AC(140) , Garlic: Aged : CK(15) : AC(1) , Melatonin : CK(955) : AC(309) , Potassium : CK(121) : AC(19) , Vitamin C : CK(1953) : AC(401)

Diseases : Hypertension : CK(2864) : AC(397)

Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151)

L-Arginine supplementation in pregnant women with mild chronic hypertension does not significantly affect overall blood pressure but is associated with less need for antihypertensive medications and a trend toward fewer maternal and neonatal complications

Pubmed Data : J Matern Fetal Neonatal Med. 2010 Dec;23(12):1456-60. Epub 2010 Oct 20. PMID: [20958228](#)

Article Published Date : Dec 01, 2010

Authors : Isabella Neri, Francesca Monari, Laura Sgarbi, Alberto Berardi, Giuseppe Masellis, Fabio Facchinetti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Hypertension : CK(2864) : AC(397) , Prenatal Nutrition: Health of the Offspring : CK(246) : AC(35) , Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151)

L-Arginine, the substrate for NO synthesis, may be an alternative treatment for premature atherosclerosis.

Pubmed Data : Int J Cardiol. 2007 Apr 4;116(3):300-8. Epub 2006 Jul 24. PMID: [16860889](#)

Article Published Date : Apr 04, 2007

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Antoniades, Elli Stefanadi, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atherosclerosis : CK(579) : AC(147) , Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151) , Cardiovascular Agents : CK(160) : AC(24) , Nitric Oxide Enhancer : CK(189) : AC(46)

L-arginine appears to counteract the hypertensive properties of estradiol in patients with PCOS.

Pubmed Data : Gynecol Endocrinol. 2010 Dec;26(12):861-8. Epub 2010 Jul 20. PMID: [20642382](#)

Article Published Date : Dec 01, 2010

Authors : Cesare Battaglia, Fulvia Mancini, Bruno Battaglia, Fabio Facchinetti, Paolo G Artini, Stefano Venturoli

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Testosterone](#) : CK(164) : AC(29)

Diseases : [Drug-Induced Toxicity](#) : CK(562) : AC(83), [Estrogen Toxicity](#) : CK(10) : AC(1), [Polycystic Ovary Syndrome](#) : CK(346) : AC(43)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1047) : AC(153)

Additional Keywords : [Sex Hormone-Binding Globulin](#) : CK(100) : AC(10)

L-arginine improves blood pressure and vascular compliance in 29 healthy individuals.

Pubmed Data : Altern Med Rev. 2006 Mar;11(1):23-9. PMID: [16597191](#)

Article Published Date : Mar 01, 2006

Authors : Alan L Miller

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Hypertension](#) : CK(2843) : AC(395)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

L-arginine infusions have an ameliorative effect in hypertensive pregnant women.

Pubmed Data : J Matern Fetal Neonatal Med. 2004 Jul;16(1):23-6. PMID: [15370078](#)

Article Published Date : Jul 01, 2004

Authors : I Neri, I Blasi, F Facchinetti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypertension](#) : CK(2864) : AC(397), [Hypertension: Pre-Eclampsia Induced](#) : CK(142) : AC(15)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

L-arginine reduces symptoms of pregnancy-induced hypertension.

Pubmed Data : J Matern Fetal Neonatal Med. 2006 May;19(5):277-81. PMID: [16753767](#)

Article Published Date : May 01, 2006

Authors : Isabella Neri, Valerio M Jasonni, Gian Franco Gori, Immacolata Blasi, Fabio Facchinetti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypertension](#) : CK(2864) : AC(397) , [Hypertension: Pre-Eclampsia Induced](#) : CK(142) : AC(15)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

There is a strong association between L-arginine supplementation and blood pressure reduction.

Pubmed Data : Med Sci Monit. 2010 May;16(5):CR266-71. PMID: [20424555](#)

Article Published Date : May 01, 2010

Authors : Jarosław Ast, Anna Jablecka, Pawel Bogdanski, Iwona Smolarek, Hanna Krauss, Ewa Chmara

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypertension](#) : CK(2864) : AC(397)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151)

Antineoplastic Agents (AC 1) (CK 2)

L-arginine has a protective effect against cisplatin-induced renal oxidative stress and toxicity.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2005 Aug;97(2):91-7. PMID: [15998355](#)

Article Published Date : Aug 01, 2005

Authors : Samira Saleh, Ebtehal El-Demerdash

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(319) : AC(133) , [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Antineoplastic Agents](#) : CK(1158) : AC(639) , [Antioxidants](#) : CK(7226) : AC(2647) , [Enzyme Inhibitors](#) : CK(463) : AC(250) , [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Antioxidants (AC 9) (CK 24)

Glutamine and arginine supplementation may help prevent necrotizing enterocolitis.

Pubmed Data : J Pediatr Gastroenterol Nutr. 2009 Jul;49(1):85-9. PMID: [19503000](#)

Article Published Date : Jul 01, 2009

Authors : Mustafa Kul, Sabahattin Vurucu, Erkan Demirkaya, Turan Tunc, Seçil Aydinöz, Cihan Meral, Vural Kesik, Faruk Alpay

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Glutamine](#) : CK(123) : AC(24)

Diseases : [Necrotising enterocolitis](#) : CK(80) : AC(13)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647), [Malondialdehyde Down-regulation](#) : CK(541) : AC(145), [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171)

L-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise.

Pubmed Data : Br J Nutr. 2006 Jan;95(1):67-75. PMID: [16441918](#)

Article Published Date : Jan 01, 2006

Authors : Wan-Teng Lin, Suh-Ching Yang, Shiow-Chwen Tsai, Chi-Chang Huang, Ning-Yuean Lee

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Exercise-Induced Tissue Damage](#) : CK(40) : AC(8), [Lipid Peroxidation](#) : CK(692) : AC(252), [Muscle Damage: Exercise-Induced](#) : CK(155) : AC(22), [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647), [Cardioprotective](#) : CK(1581) : AC(405)

L-arginine administration may be beneficial to patients with myocardial ischemic disorders.

Pubmed Data : Indian J Biochem Biophys. 2009 Dec;46(6):498-502. PMID: [20361713](#)

Article Published Date : Dec 01, 2009

Authors : Pratima Tripathi, M K Misra

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Myocardial Ischemia](#) : CK(131) : AC(58)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Malondialdehyde Down-regulation : CK(541) : AC(145), Superoxide Dismutase Up-regulation : CK(508) : AC(171)

L-arginine augments the antioxidant effect of garlic against acetic acid-induced ulcerative colitis in rats.

Pubmed Data : Pak J Pharm Sci. 2009 Oct;22(4):373-80. PMID: [19783514](#)

Article Published Date : Oct 01, 2009

Authors : Gamal Eldin I Harisa, Osama M Abo-Salem, El-Sayed M El-Sayed, Ehab I Taha, Nermin El-Halawany

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173) , Garlic : CK(712) : AC(225)

Diseases : Ulcerative Colitis : CK(284) : AC(57)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647)

Additional Keywords : Natural Substance Synergy : CK(534) : AC(244) , Plant Extracts : CK(7304) : AC(2423)

L-arginine has a beneficial effect on the nitric-oxide producing pathway in rats treated with alloxan.

Pubmed Data : J Physiol. 2007 Nov 1;584(Pt 3):921-33. Epub 2007 Aug 23. PMID: [17717015](#)

Article Published Date : Nov 01, 2007

Authors : Ana Vasilijevic, Biljana Buzadzic, Aleksandra Korac, Vesna Petrovic, Aleksandra Jankovic, Bato Korac

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Alloxan toxicity : CK(14) : AC(7), Diabetes Mellitus: Type 1 : CK(1074) : AC(283)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , NF-kappaB Inhibitor : CK(1110) : AC(691), Nitric Oxide Enhancer : CK(189) : AC(46)

Additional Keywords : Beta Cell Regeneration : CK(78) : AC(29)

L-arginine has a protective effect against cisplatin-induced renal oxidative stress and toxicity.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2005 Aug;97(2):91-7. PMID: [15998355](#)

Article Published Date : Aug 01, 2005

Authors : Samira Saleh, Ebtehal El-Demerdash

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(319) : AC(133) , Oxidative Stress :

CK(3811) : AC(1363)

Pharmacological Actions : Antineoplastic Agents : CK(1158) : AC(639) , Antioxidants : CK(7226) : AC(2647), Enzyme Inhibitors : CK(463) : AC(250), Nitric Oxide Enhancer : CK(189) : AC(46)

L-arginine protects against pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats.

Pubmed Data : Acta Pharmacol Sin. 2005 Aug;26(8):992-9. PMID: [16038634](#)

Article Published Date : Aug 01, 2005

Authors : Wang-teng Lin, Suh-ching Yang, Kung-tung Chen, Chi-chang Huang, Ning-yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252), Lung Damage : CK(8) : AC(4), Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Glutathione Upregulation : CK(152) : AC(53), Malondialdehyde Down-regulation : CK(541) : AC(145), Superoxide Dismutase Up-regulation : CK(508) : AC(171)

Pycnogenol and L-arginine combination is helpful for infertile men to ameliorate simultaneously quality of sperms as well as erectile functions.

Pubmed Data : Arch Ital Urol Androl. 2015 Sep ;87(3):190-3. Epub 2015 Sep 30. PMID: [26428638](#)

Article Published Date : Aug 31, 2015

Authors : Yoshitomo Kobori, Keisuke Suzuki, Toshiyuki Iwahata, Takeshi Shin, Yuko Sadaoka, Ryo Sato, Kojiro Nishio, Hiroshi Yagi, Gaku Arai, Shigehiro Soh, Hiroshi Okada, Jeffry Michael Strong, Peter Rohdewald

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Pycnogenol (Pine Bark) : CK(556) : AC(94)

Diseases : Erectile Dysfunction : CK(338) : AC(53), Sperm Count: Low : CK(60) : AC(10), Sperm Quality: Low : CK(218) : AC(46)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Fertility Agents: Male : CK(60) : AC(14)

Additional Keywords : Plant Extracts : CK(7304) : AC(2423)

Vitamin C, Arginine, Zinc, and protein supplementation may improve wound healing disorders.

Pubmed Data : Curr Opin Clin Nutr Metab Care. 2009 Nov;12(6):588-95. PMID: [19770648](#)

Article Published Date : Nov 01, 2009

Authors : Sabine Ellinger, Peter Stehle

Study Type : Commentary

Additional Links

Substances : Arginine : CK(999) : AC(173), Protein Supplement : CK(73) : AC(7), Vitamin C : CK(1953) : AC(401), Zinc : CK(941) : AC(139)

Diseases : Wound Healing : CK(529) : AC(160), Wound Healing: Delayed : CK(74) : AC(29)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647)

Antiproliferative (AC 3) (CK 5)

"Nitrite-generated NO circumvents dysregulated arginine/NOS signaling to protect against intimal hyperplasia in Sprague-Dawley rats."

Pubmed Data : J Clin Invest. 2011 Apr ;121(4):1646-56. Epub 2011 Mar 23. PMID: [21436585](#)

Article Published Date : Apr 01, 2011

Authors : Matthew J Alef, Raghuveer Vallabhaneni, Evie Carchman, Sidney M Morris, Sruti Shiva, Yinna Wang, Eric E Kelley, Margaret M Tarpey, Mark T Gladwin, Edith Tzeng, Brian S Zuckerbraun

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Nitrite : CK(2) : AC(1)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Antiproliferative : CK(2467) : AC(1677), Nitric Oxide Enhancer : CK(189) : AC(46)

A selenium/arginine mixture prevents chemically-induced immunosuppression and accelerated aging.

Pubmed Data : Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2007 Dec;23(12):1126-9. PMID: [18062883](#)

Article Published Date : Dec 01, 2007

Authors : Yan-Hong Ma, An-Jun Liu, Guo-Rong Zhang, Jing Lang

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Selenium : CK(784) : AC(139)

Diseases : Aging : CK(1593) : AC(430), Aging: Immunosenescence : CK(52) : AC(13), Immune Disorders: Low Immune Function : CK(489) : AC(118)

Pharmacological Actions : Antiproliferative : CK(2467) : AC(1677), Immunomodulatory : CK(1284) : AC(355)

Intake of red wine increases the number and functional capacity of circulating endothelial progenitor cells by enhancing nitric oxide bioavailability.

Pubmed Data : Arterioscler Thromb Vasc Biol. 2010 Apr;30(4):869-77. Epub 2010 Jan 21. PMID: [20093623](#)

Article Published Date : Apr 01, 2010

Authors : Po-Hsun Huang, Yung-Hsiang Chen, Hsiao-Ya Tsai, Jia-Shiong Chen, Tao-Cheng Wu, Feng-Yen Lin, Masataka Sata, Jaw-Wen Chen, Shing-Jong Lin

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Resveratrol](#) : CK(1242) : AC(744)

Diseases : [Cardiovascular Diseases](#) : CK(7020) : AC(889), [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Antiproliferative](#) : CK(2467) : AC(1677), [Enzyme Inhibitors](#) : CK(463) : AC(250), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1760) : AC(645)

Additional Keywords : [Stilbenes](#) : CK(402) : AC(242)

Antiviral Agents (AC 1) (CK 1)

Arginine has an antiviral effect against herpes simplex virus type 1.

Pubmed Data : Int J Mol Med. 2009 Apr ;23(4):495-9. PMID: [19288025](#)

Article Published Date : Apr 01, 2009

Authors : Takeshi Naito, Hiroshi Irie, Kazuko Tsujimoto, Keiko Ikeda, Tsutomu Arakawa, A Hajime Koyama

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [HSV-1](#) : CK(53) : AC(44)

Pharmacological Actions : [Antiviral Agents](#) : CK(932) : AC(428)

Anxiolytic (AC 2) (CK 20)

Oral treatment with L-lysine and L-arginine reduces anxiety and basal cortisol levels in healthy humans.

Pubmed Data : Biomed Res. 2007 Apr;28(2):85-90. PMID: [17510493](#)

Article Published Date : Apr 01, 2007

Authors : Miro Smriga, Toshihiko Ando, Masahisa Akutsu, Yasushi Furukawa, Kiyoshi Miwa, Yasushi Morinaga

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Lysine : CK(83) : AC(23)

Diseases : Anxiety Disorders : CK(1215) : AC(180), Cortisol: High : CK(564) : AC(66)

Pharmacological Actions : Anxiolytic : CK(369) : AC(56)

Subchronic treatment with amino acid mixture of L-lysine and L-arginine may have ameliorative value during psychosocial stress.

Pubmed Data : Nutr Neurosci. 2005 Jun;8(3):155-60. PMID: [16117182](#)

Article Published Date : Jun 01, 2005

Authors : Daniela Jezova, Aikaterini Makatsori, Miro Smriga, Yasushi Morinaga, Roman Duncko

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Lysine : CK(83) : AC(23)

Diseases : Anxiety Disorders : CK(1215) : AC(180)

Pharmacological Actions : Anxiolytic : CK(369) : AC(56)

Apoptotic (AC 2) (CK 3)

A combination of Lysine, Proline, Vitamin C, Arginine, Polyphenols, NAC (N-acetyl-L-cysteine), Selenium, Copper, Manganese induces apoptosis in HTLV-1 positive and

negative malignant T-cells.

Pubmed Data : Leuk Res. 2006 Jul;30(7):869-81. Epub 2006 Jan 19. PMID: [16427125](#)

Article Published Date : Jul 01, 2006

Authors : S Harakeh, M Diab-Assaf, A Niedzwiecki, J Khalife, K Abu-El-Ardat, M Rath

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Copper : CK(83) : AC(17), Lysine : CK(83) : AC(23), Manganese : CK(15) : AC(4), NAC (N-acetyl-L-cysteine) : CK(295) : AC(72), Polyphenols : CK(920) : AC(333), Proline : CK(19) : AC(8), Selenium : CK(784) : AC(139), Vitamin C : CK(1953) : AC(401)

Diseases : Human T-Cell Lymphotropic Virus type 1 associated disease : CK(28) : AC(9)

Pharmacological Actions : Apoptotic : CK(2949) : AC(2068)

Additional Keywords : Antineoplastic Agents : CK(69) : AC(28)

L-arginine prevents endothelial dysfunction in a hypercholesterolemic rabbit model.

Pubmed Data : Lipids Health Dis. 2008;7:27. Epub 2008 Aug 2. PMID: [18673573](#)

Article Published Date : Jan 01, 2008

Authors : Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Aortic Plaques : CK(27) : AC(10), Aortic Stenosis : CK(42) : AC(9), Atherosclerosis : CK(579) : AC(147), Endothelial Dysfunction : CK(1166) : AC(231), High Cholesterol : CK(1754) : AC(265), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Apoptotic : CK(2949) : AC(2068), Cardioprotective : CK(1581) : AC(405)

Cardioprotective (AC 8) (CK 40)

Aged garlic extract supplemented with B vitamins, folic acid and L-arginine retards the progression of subclinical atherosclerosis.

Pubmed Data : Breast Cancer Res Treat. 2004 Feb;83(3):221-31. PMID: [19573556](#)

Article Published Date : Feb 01, 2004

Authors : Matthew J Budoff, Naser Ahmadi, Khawar M Gul, Sandy T Liu, Ferdinand R Flores, Jima Tiano, Junichiro Takasu, Elizabeth Miller, Sotirios Tsimikas

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173) , B-complex : CK(268) : AC(31) , Garlic : CK(712) : AC(225) , Vitamin B-12 : CK(780) : AC(104)

Diseases : Arterial Calcification : CK(186) : AC(29) , Atherosclerosis : CK(579) : AC(147) , Hypertension : CK(2843) : AC(395)

Pharmacological Actions : Cardioprotective : CK(1581) : AC(405)

Additional Keywords : Plant Extracts : CK(7304) : AC(2423)

L-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise.

Pubmed Data : Br J Nutr. 2006 Jan;95(1):67-75. PMID: [16441918](#)

Article Published Date : Jan 01, 2006

Authors : Wan-Teng Lin, Suh-Ching Yang, Shiow-Chwen Tsai, Chi-Chang Huang, Ning-Yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252) , Muscle Damage: Exercise-Induced : CK(155) : AC(22) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Cardioprotective : CK(1581) : AC(405)

L-arginine ameliorates cardiac matrix remodelling in insulin resistant rats.

Pubmed Data : Eur J Clin Invest. 2008 Nov;38(11):849-56. PMID: [19021703](#)

Article Published Date : Nov 01, 2008

Authors : L D Monti, E Galluccio, P Lucotti, E Setola, S Costa, B Fontana, M Oldani, D Merante, P Di Blasi, E Bosi, P M Piatti

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Insulin Resistance : CK(1658) : AC(341) , Metabolic Syndrome X : CK(916) : AC(158)

Pharmacological Actions : Cardioprotective : CK(1591) : AC(406)

L-arginine has a cardioprotective effect in an experimental model of hypercholesterolemic rabbits aorta.

Pubmed Data : Pathophysiology. 2009 Jun;16(1):9-13. Epub 2009 Jan 24. PMID: [19168337](#)

Article Published Date : Jun 01, 2009

Authors : Shaghayegh Haghjooy Javanmard, Mehdi Nematbakhsh, Farzaneh Mahmoodi, Mohamad Reza Mohajeri

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Stenosis](#) : CK(42) : AC(9) , [Arterial Plaque](#) : CK(77) : AC(20) , [Hypercholesterolemia](#) : CK(1426) : AC(226)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405) , [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine has a protective effect in hypercholesterolemia.

Pubmed Data : Indian Pacing Electrophysiol J. 2009;9(1):45-52. Epub 2009 Jan 7. PMID: [19165358](#)

Article Published Date : Jan 01, 2009

Authors : Pradeep Kumar, Manish Goyal, J L Agarwal

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Hypercholesterolemia](#) : CK(1426) : AC(226)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406)

L-arginine improves endothelial function and vascular elastic properties of the arterial tree during the acute phase of smoking.

Pubmed Data : Am J Hypertens. 2009 Jun;22(6):586-92. Epub 2009 Mar 19. PMID: [19300425](#)

Article Published Date : Jun 01, 2009

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Vlachopoulos, Charalambos Antoniades, Elli Stefanadi, Nikos Ioakeimidis, Kostas Zisimos, Zoi Siasou, Athanasios G Papavassiliou, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Peripheral Vascular Diseases](#) : CK(221) : AC(23) , [Smoking](#) : CK(676) : AC(102) , [Tobacco Toxicity](#) : CK(106) : AC(18)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405)

L-arginine prevents endothelial dysfunction in a hypercholesterolemic rabbit model.

Pubmed Data : Lipids Health Dis. 2008;7:27. Epub 2008 Aug 2. PMID: [18673573](#)

Article Published Date : Jan 01, 2008

Authors : Mehdi Nematbakhsh, Shaghayegh Haghjooyjavanmard, Farzaneh Mahmoodi, Ali Reza Monajemi

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Plaques](#) : CK(27) : AC(10), [Aortic Stenosis](#) : CK(42) : AC(9), [Atherosclerosis](#) : CK(579) : AC(147), [Endothelial Dysfunction](#) : CK(1166) : AC(231), [High Cholesterol](#) : CK(1754) : AC(265), [Intima Media Thickening](#) : CK(153) : AC(34)

Pharmacological Actions : [Apoptotic](#) : CK(2949) : AC(2068), [Cardioprotective](#) : CK(1581) : AC(405)

Oral administration of L-arginine in patients with angina or following myocardial infarction may be protective.

Pubmed Data : Oxid Med Cell Longev. 2009 Sep-Oct;2(4):231-7. PMID: [20716909](#)

Article Published Date : Sep 01, 2009

Authors : Pratima Tripathi, M Chandra, Mithilesh K Misra

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Heart Attack: Recovery](#) : CK(22) : AC(3), [Myocardial Infarction](#) : CK(1073) : AC(156)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406), [Hypolipidemic](#) : CK(1159) : AC(245), [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171), [Xanthine oxidase inhibitor](#) : CK(26) : AC(13)

Cardiotonic Agents (AC 1) (CK 10)

Administration of L-arginine and citrulline to patients improve the condition of heart failure patients with preserved ejection fraction.

Pubmed Data : Cardiol J. 2010;17(6):612-8. PMID: [21154265](#)

Article Published Date : Jan 01, 2010

Authors : Juan José Orozco-Gutiérrez, Lilia Castillo-Martínez, Arturo Orea-Tejeda, Oscar Vázquez-Díaz, Adrián Valdespino-Trejo, René Narváez-David, Candace Keirns-Davis, Olín Carrasco-Ortiz, Adolfo Navarro-Navarro, Rocío Sánchez-Santillán

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Citrulline](#) : CK(122) : AC(18)

Diseases : Heart Failure : CK(908) : AC(123) , Hypertension : CK(2864) : AC(397)

Pharmacological Actions : Cardiotonic Agents : CK(46) : AC(7)

Cardiovascular Agents (AC 2) (CK 20)

L-Arginine, the substrate for NO synthesis, may be an alternative treatment for premature atherosclerosis.

Pubmed Data : Int J Cardiol. 2007 Apr 4;116(3):300-8. Epub 2006 Jul 24. PMID: [16860889](#)

Article Published Date : Apr 04, 2007

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Antoniades, Elli Stefanadi, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atherosclerosis : CK(579) : AC(147) , Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Antihypertensive Agents : CK(1026) : AC(151) , Cardiovascular Agents : CK(160) : AC(24) , Nitric Oxide Enhancer : CK(189) : AC(46)

L-arginine protects against ischemia/reperfusion-induced endothelial dysfunction in patients with type 2 diabetes mellitus and coronary artery disease.

Pubmed Data : Atherosclerosis. 2009 May;204(1):73-8. Epub 2008 Sep 4. PMID: [18849028](#)

Article Published Date : May 01, 2009

Authors : M Settergren, F Böhm, R E Malmström, K M Channon, J Pernow

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Diabetes: Cardiovascular Illness : CK(690) : AC(106) , Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Cardiovascular Agents : CK(160) : AC(24) , Vasodilator Agents : CK(342) : AC(73)

Cyclooxygenase 2 Inhibitors (AC 1) (CK 2)

Arginine reverses ethanol-induced inflammatory and fibrotic changes in liver despite continued ethanol administration.

Pubmed Data : J Pharmacol Exp Ther. 2001 Dec;299(3):832-9. PMID: [11714866](#)

Article Published Date : Dec 01, 2001

Authors : A A Nanji, K Jokelainen, G K Lau, A Rahemtulla, G L Tipoe, R Polavarapu, E N Lalani

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Alcoholic Liver Disease : CK(152) : AC(61), Inflammation : CK(2870) : AC(843), Liver Fibrosis : CK(222) : AC(100)

Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(451) : AC(269), NF-kappaB Inhibitor : CK(1110) : AC(691), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Cytoprotective (AC 1) (CK 1)

Arginine could help protect yeast cells from ethanol damage.

Pubmed Data : Sci Rep. 2016 ;6:31311. Epub 2016 Aug 10. PMID: [27507154](#)

Article Published Date : Dec 31, 2015

Authors : Yanfei Cheng, Zhaoli Du, Hui Zhu, Xuena Guo, Xiuping He

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Alcohol Toxicity : CK(295) : AC(120)

Pharmacological Actions : Cytoprotective : CK(182) : AC(90)

Additional Keywords : Gene Expression : CK(92) : AC(45)

Problem Substances : Ethanol : CK(22) : AC(7)

Enzyme Inhibitors (AC 3) (CK 5)

Intake of red wine increases the number and functional capacity of circulating endothelial progenitor cells by enhancing nitric oxide bioavailability.

Pubmed Data : Arterioscler Thromb Vasc Biol. 2010 Apr;30(4):869-77. Epub 2010 Jan 21. PMID: [20093623](#)

Article Published Date : Apr 01, 2010

Authors : Po-Hsun Huang, Yung-Hsiang Chen, Hsiao-Ya Tsai, Jia-Shiong Chen, Tao-Cheng Wu, Feng-Yen Lin, Masataka Sata, Jaw-Wen Chen, Shing-Jong Lin

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Resveratrol : CK(1242) : AC(744)

Diseases : Cardiovascular Diseases : CK(7020) : AC(889), Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Antiproliferative : CK(2467) : AC(1677), Enzyme Inhibitors : CK(463) : AC(250), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Additional Keywords : Stilbenes : CK(402) : AC(242)

L-arginine has a protective effect against cisplatin-induced renal oxidative stress and toxicity.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2005 Aug;97(2):91-7. PMID: [15998355](#)

Article Published Date : Aug 01, 2005

Authors : Samira Saleh, Ebtehal El-Demerdash

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(319) : AC(133), Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antineoplastic Agents : CK(1158) : AC(639), Antioxidants : CK(7226) : AC(2647), Enzyme Inhibitors : CK(463) : AC(250), Nitric Oxide Enhancer : CK(189) : AC(46)

L-arginine may ameliorate gastrointestinal dysfunction in diabetic rats.

Pubmed Data : Nitric Oxide. 2009 Mar;20(2):129-33. Epub 2008 Nov 18. PMID: [19041728](#)

Article Published Date : Mar 01, 2009

Authors : S N Umathe, N I Kochar, N S Jain, P V Dixit

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Diabetes: Gastrointestinal dysfunction](#) : CK(2) : AC(1)

Pharmacological Actions : [Enzyme Inhibitors](#) : CK(463) : AC(250), [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

Ergogenic (AC 2) (CK 11)

L-arginine supplements increase the physical working capacity at the fatigue threshold.

Pubmed Data : J Strength Cond Res. 2010 May;24(5):1306-12. PMID: [20386475](#)

Article Published Date : May 01, 2010

Authors : Clayton L Camic, Terry J Housh, Jorge M Zuniga, Russell C Hendrix, Michelle Mielke, Glen O Johnson, Richard J Schmidt

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Athletic Performance](#) : CK(583) : AC(73)

Pharmacological Actions : [Ergogenic](#) : CK(43) : AC(6)

Review: The ergogenic potential of arginine.

Pubmed Data : J Int Soc Sports Nutr. 2004;1(2):35-8. Epub 2004 Dec 31. PMID: [18500948](#)

Article Published Date : Jan 01, 2004

Authors : Bill I Campbell, Paul M La Bounty, Mike Roberts

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Human Growth Hormone: Enhancement](#) : CK(84) : AC(11), [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Ergogenic](#) : CK(43) : AC(6), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Fertility Agents: Male (AC 2) (CK 20)

Pycnogenol and L-arginine combination is helpful for infertile men to ameliorate simultaneously quality of sperms as well as erectile functions.

Pubmed Data : Arch Ital Urol Androl. 2015 Sep ;87(3):190-3. Epub 2015 Sep 30. PMID: [26428638](#)

Article Published Date : Aug 31, 2015

Authors : Yoshitomo Kobori, Keisuke Suzuki, Toshiyuki Iwahata, Takeshi Shin, Yuko Sadaoka, Ryo Sato, Kojiro Nishio, Hiroshi Yagi, Gaku Arai, Shigehiro Soh, Hiroshi Okada, Jeffry Michael Strong, Peter Rohdewald

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Pycnogenol (Pine Bark) : CK(556) : AC(94)

Diseases : Erectile Dysfunction : CK(338) : AC(53), Sperm Count: Low : CK(60) : AC(10), Sperm Quality: Low : CK(218) : AC(46)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Fertility Agents: Male : CK(60) : AC(14)

Additional Keywords : Plant Extracts : CK(7304) : AC(2423)

Supplementation with Prelox R enhanced sperm volume and concentration, motility, vitality and morphology.

Pubmed Data : Minerva Urol Nefrol. 2014 Dec ;66(4):217-23. PMID: [25531191](#)

Article Published Date : Nov 30, 2014

Authors : R Stanislavov, P Rohdewald

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Citrulline : CK(122) : AC(18), Pycnogenol (Pine Bark) : CK(556) : AC(94)

Diseases : Sperm Count: Low : CK(60) : AC(10)

Pharmacological Actions : Fertility Agents: Male : CK(60) : AC(14)

Additional Keywords : Phytotherapy : CK(1175) : AC(216), Plant Extracts : CK(7309) : AC(2424)

Galactagogue (AC 1) (CK 2)

L-arginine improves lactation performance in pigs.

Pubmed Data : J Anim Sci. 2008 Apr;86(4):827-35. Epub 2007 Dec 21. PMID: [18156355](#)

Article Published Date : Apr 01, 2008

Authors : R D Mateo, G Wu, H K Moon, J A Carroll, S W Kim

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Lactation Disorders](#) : CK(142) : AC(18)

Pharmacological Actions : [Galactagogue](#) : CK(73) : AC(8)

Glutathione Upregulation (AC 2) (CK 3)

L-arginine protects against pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats.

Pubmed Data : Acta Pharmacol Sin. 2005 Aug;26(8):992-9. PMID: [16038634](#)

Article Published Date : Aug 01, 2005

Authors : Wang-teng Lin, Suh-ching Yang, Kung-tung Chen, Chi-chang Huang, Ning-yuean Lee

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Exercise-Induced Tissue Damage](#) : CK(40) : AC(8) , [Lipid Peroxidation](#) : CK(692) : AC(252) , [Lung Damage](#) : CK(8) : AC(4) , [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647) , [Glutathione Upregulation](#) : CK(152) : AC(53) , [Malondialdehyde Down-regulation](#) : CK(541) : AC(145) , [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171)

L-Arginine supplementation induces glutathione synthesis in interscapular brown adipose tissue.

Pubmed Data : Chem Biol Interact. 2009 Dec 10;182(2-3):204-12. Epub 2009 Jul 22. PMID: [19631198](#)

Article Published Date : Dec 10, 2009

Authors : Vesna Petrović, Biljana Buzadzić, Aleksandra Korać, Ana Vasiljević, Aleksandra Janković, Bato Korać

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Glutathione Deficiency : CK(65) : AC(15)

Pharmacological Actions : Glutathione Upregulation : CK(152) : AC(53)

Hepatoprotective (AC 1) (CK 2)

L-Arginine supplementation protects against hepatic ischemia-reperfusion lesions in rabbits.

Pubmed Data : Transplant Proc. 2009 Apr;41(3):816-9. PMID: [19376360](#)

Article Published Date : Apr 01, 2009

Authors : M O Taha, M J Simões, M A Haddad, R C Capelato, N Budny, A H Matsumoto, P C M Soares, W M Santos, G D Armeato, C M Araki, J S M Gomes, K G Magalhães, I L S Tersariol, H P Monteiro, I S Oliveira-Júnior, I Oliveira, A Jurkiewicz, A Caricati-Neto

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Liver Damage : CK(877) : AC(329)

Pharmacological Actions : Hepatoprotective : CK(1368) : AC(585)

Hypoglycemic Agents (AC 1) (CK 10)

Long-term N-acetylcysteine and L-arginine administration reduces endothelial activation and systolic blood pressure in hypertensive patients with type 2 diabetes.

Pubmed Data : Diabetes Care. 2008 May;31(5):940-4. Epub 2008 Feb 11. PMID: [18268065](#)

Article Published Date : May 01, 2008

Authors : Valentino Martina, Andi Masha, Valentina Ramella Gigliardi, Loredana Brocato, Enzo Manzato, Arrigo Berchio, Paola Massarenti, Fabio Settanni, Lara Della Casa, Stefania Bergamini, Anna Iannone

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), NAC (N-acetyl-L-cysteine) : CK(295) : AC(72)
Diseases : C-Reactive Protein : CK(1628) : AC(171), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Endothelial Dysfunction : CK(1166) : AC(231), Fibrinogen: Elevated : CK(104) : AC(12), Hypertension : CK(2843) : AC(395), Intima Media Thickening : CK(153) : AC(34)
Pharmacological Actions : Hypoglycemic Agents : CK(1390) : AC(339), Vascular Cell Adhesion Molecule-1 Inhibitor : CK(117) : AC(30)

Hypolipidemic (AC 5) (CK 26)

Arginine may help to prevent atheroma development, in combination with cholesterol reduction.

Pubmed Data : Ann Vasc Surg. 1999 Sep;13(5):484-93. PMID: [10466992](#)

Article Published Date : Sep 01, 1999

Authors : M G Davies, G J Fulton, T T Huynh, L Barber, E Svendsen, P O Hagen

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Atheroma : CK(7) : AC(4), Atherosclerosis : CK(579) : AC(147), Hyperlipidemia : CK(645) : AC(150)

Pharmacological Actions : Hypolipidemic : CK(1159) : AC(245)

Coconut kernel protein favorably modifies the effect of coconut oil on serum lipids.

Pubmed Data : Plant Foods Hum Nutr. 1999;53(2):133-44. PMID: [10472790](#)

Article Published Date : Jan 01, 1999

Authors : K G Padmakumaran Nair, T Rajamohan, P A Kurup

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Coconut : CK(404) : AC(75), Coconut Oil : CK(177) : AC(38), Coconut Protein : CK(14) : AC(3)

Diseases : High Cholesterol : CK(1754) : AC(265)

Pharmacological Actions : Anti-Adipogenic : CK(110) : AC(52), Hypolipidemic : CK(1169) : AC(246)

Coconut may lower cholesterol and improve lipid metabolism in alcohol-induced hyperlipidemic rats due to

its high arginine content.

Pubmed Data : Indian J Exp Biol. 2004 Jan;42(1):53-7. PMID: [15274481](#)

Article Published Date : Jan 01, 2004

Authors : S Mini, T Rajamohan

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Coconut](#) : CK(404) : AC(75), [Coconut Protein](#) : CK(14) : AC(3)

Diseases : [Alcohol Toxicity](#) : CK(295) : AC(120), [Hyperlipidemia](#) : CK(645) : AC(150)

Pharmacological Actions : [Hypolipidemic](#) : CK(1159) : AC(245)

Additional Keywords : [Plant Extracts](#) : CK(7309) : AC(2424)

Coconut protein is able to reduce hyperlipidemia and peroxidative effect induced by high fat cholesterol containing diet and these effects are mainly mediated by the L-arginine present in it.

Pubmed Data : Clin Ther. 2010 May;32(5):909-14. PMID: [11883511](#)

Article Published Date : May 01, 2010

Authors : G Salil, T Rajamohan

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Coconut](#) : CK(404) : AC(75), [Coconut Protein](#) : CK(14) : AC(3)

Diseases : [High Cholesterol](#) : CK(1754) : AC(265)

Pharmacological Actions : [Hypolipidemic](#) : CK(1169) : AC(246)

Oral administration of L-arginine in patients with angina or following myocardial infarction may be protective.

Pubmed Data : Oxid Med Cell Longev. 2009 Sep-Oct;2(4):231-7. PMID: [20716909](#)

Article Published Date : Sep 01, 2009

Authors : Pratima Tripathi, M Chandra, Mithilesh K Misra

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Heart Attack: Recovery](#) : CK(22) : AC(3), [Myocardial Infarction](#) : CK(1073) : AC(156)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406), [Hypolipidemic](#) : CK(1159) : AC(245), [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171), [Xanthine oxidase inhibitor](#) : CK(26) : AC(13)

Hypotensive (AC 2) (CK 20)

L-arginine supplementation is a safe, efficient strategy for treating preeclampsia.

Pubmed Data : Eur J Clin Invest. 2005 Jan;35(1):32-7. PMID: [15638817](#)

Article Published Date : Jan 01, 2005

Authors : K Rytlewski, R Olszanecki, R Korbut, Z Zdebski

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Hypertension: Pre-Eclampsia Induced : CK(142) : AC(15) , Pre-Eclampsia : CK(299) : AC(33)

Pharmacological Actions : Hypotensive : CK(435) : AC(59)

Long-term oral L-arginine administration improves peripheral and hepatic insulin sensitivity in type 2 diabetic patients.

Pubmed Data : Diabetes Care. 2001 May;24(5):875-80. PMID: [11347747](#)

Article Published Date : May 01, 2001

Authors : P M Piatti, L D Monti, G Valsecchi, F Magni, E Setola, F Marchesi, M Galli-Kienle, G Pozza, K G Alberti

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Hypertension : CK(2864) : AC(397) , Insulin Resistance : CK(1658) : AC(341)

Pharmacological Actions : Hypotensive : CK(435) : AC(59) , Insulin Sensitizers : CK(347) : AC(68)

Immunomodulatory (AC 3) (CK 22)

A formula containing omega-3 fatty acids, arginine and RNA improves outcomes of surgery for esophageal

cancer.

Pubmed Data : World J Surg. 2007 Nov;31(11):2160-7. PMID: [17876664](#)

Article Published Date : Nov 01, 2007

Authors : Hiroya Takeuchi, Shunji Ikeuchi, Yoshiki Kawaguchi, Yuko Kitagawa, Yoh Isobe, Kiyoshi Kubochi, Masaki Kitajima, Sumio Matsumoto

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176), Omega-3 Fatty Acids : CK(3268) : AC(387), Ribonucleic acid (RNA) : CK(10) : AC(1)

Diseases : Esophageal Surgery : CK(10) : AC(1)

Pharmacological Actions : Immunomodulatory : CK(1284) : AC(355)

A selenium/arginine mixture prevents chemically-induced immunosuppression and accelerated aging.

Pubmed Data : Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2007 Dec;23(12):1126-9. PMID: [18062883](#)

Article Published Date : Dec 01, 2007

Authors : Yan-Hong Ma, An-Jun Liu, Guo-Rong Zhang, Jing Lang

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Selenium : CK(784) : AC(139)

Diseases : Aging : CK(1593) : AC(430), Aging: Immunosenescence : CK(52) : AC(13), Immune Disorders: Low Immune Function : CK(489) : AC(118)

Pharmacological Actions : Antiproliferative : CK(2467) : AC(1677), Immunomodulatory : CK(1284) : AC(355)

Arginine supplementation in total parenteral nutrition improves postoperative cellular immune function of patients with hepatocellular carcinoma after operation

Pubmed Data : Nan Fang Yi Ke Da Xue Xue Bao. 2007 Jul;27(7):1094-6. PMID: [17666360](#)

Article Published Date : Jul 01, 2007

Authors : Zhong-xin Zhou, Long-juan Zhang, Xiao-hui Huang, Qing-yu Kong, Jie Zhou

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Liver Surgery : CK(14) : AC(3)

Pharmacological Actions : Immunomodulatory : CK(1284) : AC(355)

Immunostimulatory (AC 2) (CK 4)

Dietary L-arginine supplementation alleviates immunosuppression induced by cyclophosphamide in weaned pigs.

Pubmed Data : Amino Acids. 2009 Oct;37(4):643-51. Epub 2008 Sep 28. PMID: [18821052](#)

Article Published Date : Oct 01, 2009

Authors : J Han, Y L Liu, W Fan, J Chao, Y Q Hou, Y L Yin, H L Zhu, G Q Meng, Z Q Che

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Chemotherapy-Induced Toxicity: Cyclophosphamide](#) : CK(78) : AC(28)

Pharmacological Actions : [Immunostimulatory](#) : CK(260) : AC(57)

Dietary L-arginine supplementation enhances the immune status in early-weaned piglets.

Pubmed Data : Amino Acids. 2009 Jul;37(2):323-31. Epub 2008 Aug 19. PMID: [18712273](#)

Article Published Date : Jul 01, 2009

Authors : Bie Tan, Xinguo G Li, Xiangfeng Kong, Ruilin Huang, Zheng Ruan, Kang Yao, Zeyuan Deng, Mingyong Xie, Izuru Shinzato, Yulong Yin, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Immune Disorders: Low Immune Function](#) : CK(489) : AC(118)

Pharmacological Actions : [Immunostimulatory](#) : CK(260) : AC(57)

Insulin Sensitizers (AC 3) (CK 30)

L-arginine augments the effects of exercise training on insulin sensitivity and capillary growth in muscles.

Pubmed Data : Curr Opin Clin Nutr Metab Care. 2007 Jan;10(1):46-51. PMID: [17143054](#)

Article Published Date : Jan 01, 2007

Authors : Glenn K McConell

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Insulin Resistance](#) : CK(1658) : AC(341)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(347) : AC(68)

Long-term oral L-arginine administration improves peripheral and hepatic insulin sensitivity in type 2 diabetic patients.

Pubmed Data : Diabetes Care. 2001 May;24(5):875-80. PMID: [11347747](#)

Article Published Date : May 01, 2001

Authors : P M Piatti, L D Monti, G Valsecchi, F Magni, E Setola, F Marchesi, M Galli-Kienle, G Pozza, K G Alberti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593) , [Hypertension](#) : CK(2864) : AC(397) , [Insulin Resistance](#) : CK(1658) : AC(341)

Pharmacological Actions : [Hypotensive](#) : CK(435) : AC(59) , [Insulin Sensitizers](#) : CK(347) : AC(68)

Long-term oral L-arginine treatment has a beneficial effect when added to a hypocaloric diet and exercise training program in obese, insulin-resistant type 2 diabetic patients.

Pubmed Data : Am J Physiol Endocrinol Metab. 2006 Nov;291(5):E906-12. Epub 2006 Jun 13. PMID: [16772327](#)

Article Published Date : Nov 01, 2006

Authors : Pietro Lucotti, Emanuela Setola, Lucilla D Monti, Elena Galluccio, Sabrina Costa, Emilia P Sandoli, Isabella Fermo, Giovanni Rabaiotti, Roberto Gatti, PierMarco Piatti

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(3354) : AC(593) , [Hypertension](#) : CK(2864) : AC(397) , [Insulin Resistance](#) : CK(1658) : AC(341)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(347) : AC(68)

Interleukin-1 beta downregulation (AC 1) (CK 2)

L-arginine causes amelioration of cerebrovascular dysfunction and brain inflammation during experimental heatstroke.

Pubmed Data : Shock. 2008 Feb;29(2):212-6. PMID: [17693925](#)

Article Published Date : Feb 01, 2008

Authors : Yen-Chia Chen, Yu-Chi Liu, David Hung-Tsang Yen, Lee-Min Wang, Chun-I Huang, Chen-Hsen Lee, Mao-Tsun Lin

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Brain Inflammation](#) : CK(248) : AC(141), [Heat Stroke](#) : CK(5) : AC(2)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(460) : AC(203) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1760) : AC(645)

Interleukin-6 Downregulation (AC 1) (CK 2)

Dietary arginine supplementation alleviates intestinal mucosal disruption induced by Escherichia coli lipopolysaccharide in weaned pigs.

Pubmed Data : Br J Nutr. 2008 Sep;100(3):552-60. Epub 2008 Feb 14. PMID: [18275628](#)

Article Published Date : Sep 01, 2008

Authors : Yulan Liu, Jingjing Huang, Yongqing Hou, Huiling Zhu, Shengjun Zhao, Binying Ding, Yulong Yin, Ganfeng Yi, Junxia Shi, Wei Fan

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Escherichia coli Infections](#) : CK(152) : AC(90) , [Lipopolysaccharide-Induced Toxicity](#) :

CK(357) : AC(216)

Pharmacological Actions : Anti-Inflammatory Agents : CK(4541) : AC(1596), Interleukin-6 Downregulation : CK(1078) : AC(337), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Interleukin-8 downregulation (AC 1) (CK 1)

Glutamine and arginine-fortified PF with curcumin might be a promising option to enhance the effectiveness and expand the scope of EEN therapy.

Pubmed Data : JPEN J Parenter Enteral Nutr. 2016 Jan 29. Epub 2016 Jan 29. PMID: [26826259](#)

Article Published Date : Jan 28, 2016

Authors : Moftah H Alhagamhmad, Andrew S Day, Daniel A Lemberg, Steven T Leach

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Curcumin : CK(4132) : AC(2173), Glutamine : CK(123) : AC(24), Vitamin D : CK(3113) : AC(441)

Diseases : Crohn's Disease : CK(152) : AC(29), Inflammatory Bowel Diseases : CK(990) : AC(187)

Pharmacological Actions : Anti-Inflammatory Agents : CK(4541) : AC(1596), Interleukin-8 downregulation : CK(166) : AC(61)

Lipolytic (AC 3) (CK 6)

A combination of caffeine, arginine, soy isoflavones, and L-carnitine enhances both lipolysis and fatty acid oxidation in animal model of obesity.

Pubmed Data : J Nutr. 2007 Oct;137(10):2252-7. PMID: [17885007](#)

Article Published Date : Oct 01, 2007

Authors : Shinji Murosaki, Tae Ryong Lee, Koutarou Muroyama, Eui Seok Shin, Si Young Cho,

Yoshihiro Yamamoto, Sang Jun Lee

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Caffeine](#) : CK(197) : AC(31), [Carnitine](#) : CK(436) : AC(67), [Isoflavones](#) : CK(631) : AC(129)

Diseases : [Obesity](#) : CK(2179) : AC(459)

Pharmacological Actions : [Lipolytic](#) : CK(45) : AC(16)

Additional Keywords : [Anti-Obesity Agents](#) : CK(474) : AC(105)

Dietary L-arginine supplementation reduces fat mass in Zucker diabetic fatty rats.

Pubmed Data : J Nutr. 2005 Apr;135(4):714-21. PMID: [15795423](#)

Article Published Date : Apr 01, 2005

Authors : Wenjiang J Fu, Tony E Haynes, Ripla Kohli, Jianbo Hu, Wenjuan Shi, Thomas E Spencer, Raymond J Carroll, Cynthia J Meininger, Guoyao Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Abdominal Obesity \(Midsection Fat\)](#) : CK(458) : AC(66) , [Diabetes Mellitus: Type 2](#) : CK(3374) : AC(594), [Obesity](#) : CK(2169) : AC(458)

Pharmacological Actions : [Lipolytic](#) : CK(45) : AC(16)

Dietary arginine supplementation alters the catabolism of fat and amino acids in the whole body, enhances protein synthesis in skeletal muscle, and modulates intestinal microbial metabolism in growing pigs.

Pubmed Data : Amino Acids. 2009 May;37(1):199-208. Epub 2008 Nov 7. PMID: [18989615](#)

Article Published Date : May 01, 2009

Authors : Qinghua He, Xiangfeng Kong, Guoyao Wu, Pingping Ren, Huiru Tang, Fuhua Hao, Ruilin Huang, Tiejun Li, Bie Tan, Peng Li, Zhiru Tang, Yulong Yin, Yongning Wu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(105) : AC(35), [Overweight](#) : CK(3260) : AC(536)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11) , [Lipolytic](#) : CK(45) : AC(16)

Malondialdehyde Down-regulation

(AC 3) (CK 5)

Glutamine and arginine supplementation may help prevent necrotizing enterocolitis.

Pubmed Data : J Pediatr Gastroenterol Nutr. 2009 Jul;49(1):85-9. PMID: [19503000](#)

Article Published Date : Jul 01, 2009

Authors : Mustafa Kul, Sabahattin Vurucu, Erkan Demirkaya, Turan Tunc, Seçil Aydinöz, Cihan Meral, Vural Kesik, Faruk Alpay

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Glutamine : CK(123) : AC(24)

Diseases : Necrotising enterocolitis : CK(80) : AC(13)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Malondialdehyde Down-regulation : CK(541) : AC(145), Superoxide Dismutase Up-regulation : CK(508) : AC(171)

L-arginine administration may be beneficial to patients with myocardial ischemic disorders.

Pubmed Data : Indian J Biochem Biophys. 2009 Dec;46(6):498-502. PMID: [20361713](#)

Article Published Date : Dec 01, 2009

Authors : Pratima Tripathi, M K Misra

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Myocardial Ischemia : CK(131) : AC(58)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Malondialdehyde Down-regulation : CK(541) : AC(145), Superoxide Dismutase Up-regulation : CK(508) : AC(171)

L-arginine protects against pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats.

Pubmed Data : Acta Pharmacol Sin. 2005 Aug;26(8):992-9. PMID: [16038634](#)

Article Published Date : Aug 01, 2005

Authors : Wang-teng Lin, Suh-ching Yang, Kung-tung Chen, Chi-chang Huang, Ning-yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8), Lipid Peroxidation : CK(692) : AC(252), Lung Damage : CK(8) : AC(4), Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Glutathione Upregulation : CK(152) : AC(53), Malondialdehyde Down-regulation : CK(541) : AC(145) , Superoxide Dismutase Up-regulation : CK(508) : AC(171)

NF-kappaB Inhibitor (AC 2) (CK 4)

Arginine reverses ethanol-induced inflammatory and fibrotic changes in liver despite continued ethanol administration.

Pubmed Data : J Pharmacol Exp Ther. 2001 Dec;299(3):832-9. PMID: [11714866](#)

Article Published Date : Dec 01, 2001

Authors : A A Nanji, K Jokelainen, G K Lau, A Rahemtulla, G L Tipoe, R Polavarapu, E N Lalani

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Alcoholic Liver Disease : CK(152) : AC(61) , Inflammation : CK(2870) : AC(843) , Liver Fibrosis : CK(222) : AC(100)

Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(451) : AC(269) , NF-kappaB Inhibitor : CK(1110) : AC(691), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

L-arginine has a beneficial effect on the nitric-oxide producing pathway in rats treated with alloxan.

Pubmed Data : J Physiol. 2007 Nov 1;584(Pt 3):921-33. Epub 2007 Aug 23. PMID: [17717015](#)

Article Published Date : Nov 01, 2007

Authors : Ana Vasilijevic, Biljana Buzadzic, Aleksandra Korac, Vesna Petrovic, Aleksandra Jankovic, Bato Korac

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Alloxan toxicity : CK(14) : AC(7), Diabetes Mellitus: Type 1 : CK(1074) : AC(283)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , NF-kappaB Inhibitor : CK(1110) : AC(691), Nitric Oxide Enhancer : CK(189) : AC(46)

Additional Keywords : Beta Cell Regeneration : CK(78) : AC(29)

Neuroprotective Agents (AC 2) (CK 4)

L-arginine has potent in vitro and in vivo neuroprotective properties and may be a candidate for therapeutic trials in ALS.

Pubmed Data : Biochem Biophys Res Commun. 2009 Jul 10;384(4):524-9. Epub 2009 May 8. PMID: [19427829](#)

Article Published Date : Jul 10, 2009

Authors : Junghee Lee, Hoon Ryu, Neil W Kowall

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Amyotrophic Lateral Sclerosis](#) : CK(567) : AC(140)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(2243) : AC(1057) , [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171)

L-arginine improves cerebral blood perfusion and vasomotion of microvessels following subarachnoid hemorrhage in rats.

Pubmed Data : Clin Hemorheol Microcirc. 2003;29(3-4):391-400. PMID: [14724366](#)

Article Published Date : Jan 01, 2003

Authors : Bao-Liang Sun, Su-Ming Zhang, Zuo-Li Xia, Ming-Feng Yang, Hui Yuan, Jian Zhang, Rui-Juan Xiu

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Cerebral Ischemia](#) : CK(223) : AC(73) , [Subarachnoid hemorrhage](#) : CK(60) : AC(9)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(2243) : AC(1057)

Nitric Oxide Enhancer (AC 18) (CK 83)

"Nitrite-generated NO circumvents dysregulated arginine/NOS signaling to protect against intimal

hyperplasia in Sprague-Dawley rats."

Pubmed Data : J Clin Invest. 2011 Apr ;121(4):1646-56. Epub 2011 Mar 23. PMID: [21436585](#)

Article Published Date : Apr 01, 2011

Authors : Matthew J Alef, Raghuveer Vallabhaneni, Evie Carchman, Sidney M Morris, Sruti Shiva, Yinna Wang, Eric E Kelley, Margaret M Tarpey, Mark T Gladwin, Edith Tzeng, Brian S Zuckerbraun

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Nitrite](#) : CK(2) : AC(1)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Antiproliferative](#) : CK(2467) : AC(1677), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Arginine may have therapeutic value in restless leg syndrome.

Pubmed Data : Mov Disord. 2008 Feb 15 ;23(3):350-8. PMID: [18058820](#)

Article Published Date : Feb 14, 2008

Authors : Juliane Winkelmann, Peter Lichtner, Barbara Schormair, Manfred Uhr, Stephanie Hauk, Karin Stiasny-Kolster, Claudia Trenkwalder, Walter Paulus, Ines Peglau, Ilonka Eisensehr, Thomas Illig, H-Erich Wichmann, Hildegard Pfister, Jelena Golic, Thomas Bettecken, Benno Pütz, Florian Holsboer, Thomas Meitinger, Bertram Müller-Myhsok

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Restless Legs Syndrome](#) : CK(91) : AC(8)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Arginine may work synergistically with statin drugs to prevent atherosclerosis development.

Pubmed Data : Ann Biol Clin (Paris). 2005 Sep-Oct;63(5):443-55. PMID: [16230278](#)

Article Published Date : Sep 01, 2005

Authors : C Rasmusen, L Cynober, R Couderc

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Atherosclerosis](#) : CK(579) : AC(147)

Pharmacological Actions : [Anticholesteremic Agents](#) : CK(1234) : AC(229), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Additional Keywords : [Drug Synergy](#) : CK(351) : AC(156)

Arginine supplementation increased net protein balance

in skin wound and muscle by a mechanism which was independent of nitric oxide production.

Pubmed Data : Clin Nutr. 2008 Aug;27(4):649-56. Epub 2008 Mar 7. PMID: [18316142](#)

Article Published Date : Aug 01, 2008

Authors : Xiao-jun Zhang, David L Chinkes, Robert R Wolfe

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Muscle Atrophy](#) : CK(105) : AC(35), [Wound Healing](#) : CK(529) : AC(160)

Pharmacological Actions : [Anabolic Agents](#) : CK(44) : AC(11), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-Arginine supplementation enhances diabetic wound healing.

Pubmed Data : Metabolism. 2002 Oct;51(10):1269-73. PMID: [12370845](#)

Article Published Date : Oct 01, 2002

Authors : Maria B Witte, Frank J Thornton, Udaya Tantry, Adrian Barbul

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Diabetic Ulcer](#) : CK(155) : AC(25), [Wound Healing](#) : CK(529) : AC(160)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-Arginine treatment has therapeutic value in asymmetric fetal growth restriction.

Pubmed Data : Int J Gynaecol Obstet. 2005 Jan;88(1):15-8. PMID: [15617699](#)

Article Published Date : Jan 01, 2005

Authors : X M Xiao, L P Li

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Fetal Growth Retardation](#) : CK(30) : AC(3)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-Arginine, the substrate for NO synthesis, may be an alternative treatment for premature atherosclerosis.

Pubmed Data : Int J Cardiol. 2007 Apr 4;116(3):300-8. Epub 2006 Jul 24. PMID: [16860889](#)

Article Published Date : Apr 04, 2007

Authors : Gerasimos Siasos, Dimitris Tousoulis, Charalambos Antoniades, Elli Stefanadi, Christodoulos Stefanadis

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Atherosclerosis](#) : CK(579) : AC(147), [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(1026) : AC(151), [Cardiovascular Agents](#) : CK(160) : AC(24), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine has a beneficial effect on the nitric-oxide producing pathway in rats treated with alloxan.

Pubmed Data : J Physiol. 2007 Nov 1;584(Pt 3):921-33. Epub 2007 Aug 23. PMID: [17717015](#)

Article Published Date : Nov 01, 2007

Authors : Ana Vasilijevic, Biljana Buzadzic, Aleksandra Korac, Vesna Petrovic, Aleksandra Jankovic, Bato Korac

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Alloxan toxicity](#) : CK(14) : AC(7), [Diabetes Mellitus: Type 1](#) : CK(1074) : AC(283)

Pharmacological Actions : [Antioxidants](#) : CK(7226) : AC(2647), [NF-kappaB Inhibitor](#) : CK(1110) : AC(691), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Additional Keywords : [Beta Cell Regeneration](#) : CK(78) : AC(29)

L-arginine has a cardioprotective effect in an experimental model of hypercholesterolemic rabbits aorta.

Pubmed Data : Pathophysiology. 2009 Jun;16(1):9-13. Epub 2009 Jan 24. PMID: [19168337](#)

Article Published Date : Jun 01, 2009

Authors : Shaghayegh Haghjooy Javanmard, Mehdi Nematbakhsh, Farzaneh Mahmoodi, Mohamad Reza Mohajeri

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aortic Stenosis](#) : CK(42) : AC(9), [Arterial Plaque](#) : CK(77) : AC(20), [Hypercholesterolemia](#) : CK(1426) : AC(226)

Pharmacological Actions : [Cardioprotective](#) : CK(1581) : AC(405), [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine has a protective effect against cisplatin-induced renal oxidative stress and toxicity.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2005 Aug;97(2):91-7. PMID: [15998355](#)

Article Published Date : Aug 01, 2005

Authors : Samira Saleh, Ebtehal El-Demerdash

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(319) : AC(133) , [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Antineoplastic Agents](#) : CK(1158) : AC(639) , [Antioxidants](#) : CK(7226) : AC(2647) , [Enzyme Inhibitors](#) : CK(463) : AC(250) , [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine improve the NO production and prevents glomerular hypertrophy in the offspring of diabetic mothers.

Pubmed Data : Pediatr Res. 2007 Aug;62(2):145-50. PMID: [17597655](#)

Article Published Date : Aug 01, 2007

Authors : Maria de Fatima Cavanal, Guiomar Nascimento Gomes, Andre L Forti, Silvia Oliveira Rocha, Maria do Carmo Pinho Franco, Zuleica B Fortes, Frida Zaladek Gil

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231) , [Gestational Diabetes](#) : CK(76) : AC(10) , [Hypertension](#) : CK(2843) : AC(395) , [Prenatal Nutrition: Prevention of Problems](#) : CK(367) : AC(42)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46) , [Vasodilator Agents](#) : CK(342) : AC(73)

L-arginine improves the erectile response of rats.

Pubmed Data : J Urol. 1997 Sep;158(3 Pt 1):942-7. PMID: [9258123](#)

Article Published Date : Sep 01, 1997

Authors : J A Moody, D Vernet, S Laidlaw, J Rajfer, N F Gonzalez-Cadavid

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Erectile Dysfunction](#) : CK(338) : AC(53)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine in combination with Pycnogenol causes a significant improvement in sexual function in men with erectile dysfunction without any side effects.

Pubmed Data : J Sex Marital Ther. 2003 May-Jun;29(3):207-13. PMID: [12851125](#)

Article Published Date : May 01, 2003

Authors : R Stanislavov, V Nikolova

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173) , [Flavonoids](#) : CK(1214) : AC(378)

Diseases : [Erectile Dysfunction](#) : CK(338) : AC(53)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46) , [Platelet Aggregation Inhibitors](#) : CK(186) : AC(40)

L-arginine may have a beneficial effect on airway hyperresponsiveness and airway inflammation in asthma.

Pubmed Data : J Allergy Clin Immunol. 2010 Mar;125(3):626-35. Epub 2010 Feb 11. PMID: [20153031](#)

Article Published Date : Mar 01, 2010

Authors : Ulaganathan Mabalirajan, Tanveer Ahmad, Geeta Devi Leishangthem, Duraisamy Arul Joseph, Amit Kumar Dinda, Anurag Agrawal, Balaram Ghosh

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25) , [Asthma](#) : CK(1146) : AC(188) , [Bronchial Asthma](#) : CK(1229) : AC(186) , [Inflammation](#) : CK(2880) : AC(844) , [Oxidative Stress](#) : CK(3811) : AC(1363)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine reverses alterations in drug disposition induced by spinal cord injury by increasing hepatic blood flow.

Pubmed Data : J Neurotrauma. 2007 Dec;24(12):1855-62. PMID: [18159997](#)

Article Published Date : Dec 01, 2007

Authors : Antonio Vertiz-Hernandez, Gilberto Castaneda-Hernandez, Angelina Martinez-Cruz, Leticia Cruz-Antonio, Israel Grijalva, Gabriel Guizar-Sahagun

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Spinal Cord Injuries](#) : CK(139) : AC(46)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46) , [Vasodilator Agents](#) : CK(342) : AC(73)

L-arginine therapy has a beneficial effect in fetal growth retardation due to pregnancy-induced hypertension

Pubmed Data : Nan Fang Yi Ke Da Xue Xue Bao. 2007 Feb;27(2):198-200. PMID: [17355936](#)

Article Published Date : Feb 01, 2007

Authors : Ning Zhang, Ai-Hua Xiong, Xin Xiao, Li-Ping Li

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Fetal Growth Retardation](#) : CK(30) : AC(3) , [Hypertension: Pre-Eclampsia Induced](#) : CK(142) : AC(15)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Review: The ergogenic potential of arginine.

Pubmed Data : J Int Soc Sports Nutr. 2004;1(2):35-8. Epub 2004 Dec 31. PMID: [18500948](#)

Article Published Date : Jan 01, 2004

Authors : Bill I Campbell, Paul M La Bounty, Mike Roberts

Study Type : Review

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Human Growth Hormone: Enhancement](#) : CK(84) : AC(11) , [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Ergogenic](#) : CK(43) : AC(6) , [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

L-arginine restores nitric oxide-mediated relaxation in isolated pulmonary arteries from pulmonary hypertensive exercise trained rats.

Pubmed Data : Eur J Pharmacol. 2008 Feb 26;581(1-2):148-56. Epub 2007 Nov 28. PMID: [18164288](#)

Article Published Date : Feb 26, 2008

Authors : Lucie Goret, Stéphane Tanguy, Isabelle Guiraud, Michel Dauzat, Philippe Obert

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hypertension: Pulmonary](#) : CK(92) : AC(35)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46)

Nitric Oxide Inhibitor (AC 7) (CK 12)

Arginine may be beneficial for ameliorating vascular insulin resistance in obesity and diabetes.

Pubmed Data : Biofactors. 2009 Jan-Feb;35(1):21-7. PMID: [19319842](#)

Article Published Date : Jan 01, 2009

Authors : Guoyao Wu, Cynthia J Meininger

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Endothelial Dysfunction : CK(1166) : AC(231), Insulin Resistance : CK(1658) : AC(341), Obesity : CK(2169) : AC(458)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

Arginine may play a role in ameliorating scurvy.

Pubmed Data : J Ethnobiol Ethnomed. 2009;5:5. Epub 2009 Feb 2. PMID: [19187550](#)

Article Published Date : Jan 01, 2009

Authors : Don J Durzan

Study Type : Review

Additional Links

Substances : Arginine : CK(1012) : AC(176), Vitamin C : CK(1953) : AC(401)

Diseases : Scurvy : CK(2) : AC(2)

Pharmacological Actions : Nitric Oxide Inhibitor : CK(223) : AC(108)

L-arginine may ameliorate gastrointestinal dysfunction in diabetic rats.

Pubmed Data : Nitric Oxide. 2009 Mar;20(2):129-33. Epub 2008 Nov 18. PMID: [19041728](#)

Article Published Date : Mar 01, 2009

Authors : S N Umathe, N I Kochar, N S Jain, P V Dixit

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Diabetes: Gastrointestinal dysfunction : CK(2) : AC(1)

Pharmacological Actions : Enzyme Inhibitors : CK(463) : AC(250), Nitric Oxide Inhibitor : CK(223) : AC(108)

L-arginine reduces mercury accumulation in thymus of mercury-exposed mice.

Pubmed Data : Ind Health. 2008 Dec;46(6):567-74. PMID: [19088408](#)

Article Published Date : Dec 01, 2008

Authors : Massimo Bracci, Marco Tomasetti, Marco Malavolta, Viviana Bonacucina, Eugenio Mocchegiani, Lory Santarelli

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Mercury Poisoning](#) : CK(195) : AC(55)

Pharmacological Actions : [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

L-arginine supplementation reduces cardiac noradrenergic neurotransmission in spontaneously hypertensive rats.

Pubmed Data : J Mol Cell Cardiol. 2009 Jul;47(1):149-55. Epub 2009 Apr 9. PMID: [19362092](#)

Article Published Date : Jul 01, 2009

Authors : Chee-Wan Lee, Dan Li, Keith M Channon, David J Paterson

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Cardiac noradrenergic hyperactivity](#) : CK(2) : AC(1), [Hypertension](#) : CK(2864) : AC(397)

Pharmacological Actions : [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

L0arginine supplementation improves endothelial function and myocardial perfusion in a swine model of chronic myocardial ischemia.

Pubmed Data : Surgery. 2005 Aug;138(2):291-8. PMID: [16153439](#)

Article Published Date : Aug 01, 2005

Authors : Yasunari Nakai, Pierre Voisine, Cesario Bianchi, Shu-Hua Xu, Jun Feng, Tamer Malik, Audrey Rosinberg, Frank W Sellke

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Coronary Artery Disease](#) : CK(1468) : AC(155), [Endothelial Dysfunction](#) : CK(1166) : AC(231), [High Cholesterol](#) : CK(1754) : AC(265), [Myocardial Ischemia](#) : CK(131) : AC(58)

Pharmacological Actions : [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

Supplemental L-arginine enhances wound healing in diabetic rats.

Pubmed Data : Wound Repair Regen. 2003 May-Jun;11(3):198-203. PMID: [12753601](#)

Article Published Date : May 01, 2003

Authors : Han Ping Shi, Daniel Most, David T Efron, Maria B Witte, Adrian Barbul

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Wound Healing](#) : CK(529) : AC(160)

Pharmacological Actions : [Nitric Oxide Inhibitor](#) : CK(223) : AC(108)

Platelet Aggregation Inhibitors (AC 2) (CK 20)

L-arginine in combination with Pycnogenol causes a significant improvement in sexual function in men with erectile dysfunction without any side effects.

Pubmed Data : J Sex Marital Ther. 2003 May-Jun;29(3):207-13. PMID: [12851125](#)

Article Published Date : May 01, 2003

Authors : R Stanislavov, V Nikolova

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173), [Flavonoids](#) : CK(1214) : AC(378)

Diseases : [Erectile Dysfunction](#) : CK(338) : AC(53)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46), [Platelet Aggregation Inhibitors](#) : CK(186) : AC(40)

L-arginine infusion decreases peripheral arterial resistance and inhibits platelet aggregation in healthy subjects.

Pubmed Data : Clin Sci (Lond). 1994 Sep;87(3):303-10. PMID: [7955906](#)

Article Published Date : Sep 01, 1994

Authors : S M Bode-Böger, R H Böger, A Creutzig, D Tsikas, F M Gutzki, K Alexander, J C Frölich

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Peripheral Arterial Disease](#) : CK(282) : AC(29)

Pharmacological Actions : [Platelet Aggregation Inhibitors](#) : CK(186) : AC(40)

Renoprotective (AC 1) (CK 2)

Long-term dietary supplementation with L-arginine prevents age-related reduction in renal function.

Pubmed Data : Am J Physiol. 1997 Jun;272(6 Pt 2):R1768-74. PMID: [9227589](#)

Article Published Date : Jun 01, 1997

Authors : J F Reckelhoff, J A Kellum, L C Racusen, D A Hildebrandt

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Aging](#) : CK(1603) : AC(431), [Kidney Damage](#) : CK(191) : AC(63), [Kidney Diseases](#) : CK(501) : AC(84)

Pharmacological Actions : [Renoprotective](#) : CK(554) : AC(245)

Secretagogue (AC 4) (CK 14)

Aged garlic, l-arginine, l-lysine, S-allyl cysteine and pycnogenol increase human growth hormone secretion in an in vitro model.

Pubmed Data : Growth Horm IGF Res. 2002 Feb;12(1):34-40. PMID: [12127300](#)

Article Published Date : Feb 01, 2002

Authors : Amber R Buz'Zard, Qiaoling Peng, Benjamin H S Lau

Study Type : In Vitro Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176), [Cysteine](#) (see [N-Acetylcysteine](#)) : CK(60) : AC(13), [Garlic](#) : CK(712) : AC(225), [Lysine](#) : CK(83) : AC(23), [Pycnogenol](#) ([Pine Bark](#)) : CK(556) : AC(94)

Diseases : [Low Human Growth Hormone](#) : CK(33) : AC(6)

Pharmacological Actions : [Secretagogue](#) : CK(178) : AC(38)

Arginine and ornithine supplementation increases growth hormone and insulin-like growth factor-1 serum levels

after heavy-resistance exercise in strength-trained athletes.

Pubmed Data : J Strength Cond Res. 2010 Apr;24(4):1082-90. PMID: [20300016](#)

Article Published Date : Apr 01, 2010

Authors : Adam Zajac, Stanisław Poprzecki, Aleksandra Zebrowska, Małgorzata Chalimoniuk, Jozef Langfort

Study Type : Human Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Athletic Performance : CK(583) : AC(73) , Insulin-Like Growth Factor (IGF): Low : CK(20) : AC(2), Low Human Growth Hormone : CK(33) : AC(6)

Pharmacological Actions : Secretagogue : CK(178) : AC(38)

Additional Keywords : Strength Training : CK(10) : AC(1)

Arginine supplementation increases progesterone levels in female sheep.

Pubmed Data : Pak J Biol Sci. 2008 Oct 15;11(20):2389-94. PMID: [19137847](#)

Article Published Date : Oct 15, 2008

Authors : Fawzi M Al-Dabbas, Amara H Hamra, Faisal T Awawdeh

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Progesterone: Low : CK(32) : AC(14)

Pharmacological Actions : Secretagogue : CK(178) : AC(38)

L-arginine has been shown to increase human growth hormone levels.

Pubmed Data : Curr Opin Clin Nutr Metab Care. 2008 Jan;11(1):50-4. PMID: [18090659](#)

Article Published Date : Jan 01, 2008

Authors : Jill A Kanaley

Study Type : Review

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Human Growth Hormone: Enhancement : CK(84) : AC(11) , Low Human Growth Hormone : CK(33) : AC(6)

Pharmacological Actions : Secretagogue : CK(178) : AC(38)

Superoxide Dismutase Up-regulation (AC 6) (CK 19)

Glutamine and arginine supplementation may help prevent necrotizing enterocolitis.

Pubmed Data : J Pediatr Gastroenterol Nutr. 2009 Jul;49(1):85-9. PMID: [19503000](#)

Article Published Date : Jul 01, 2009

Authors : Mustafa Kul, Sabahattin Vurucu, Erkan Demirkaya, Turan Tunc, Seil Aydinoz, Cihan Meral, Vural Kesik, Faruk Alpay

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173), Glutamine : CK(123) : AC(24)

Diseases : Necrotising enterocolitis : CK(80) : AC(13)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Malondialdehyde Down-regulation : CK(541) : AC(145), Superoxide Dismutase Up-regulation : CK(508) : AC(171)

L-arginine administration may be beneficial to patients with myocardial ischemic disorders.

Pubmed Data : Indian J Biochem Biophys. 2009 Dec;46(6):498-502. PMID: [20361713](#)

Article Published Date : Dec 01, 2009

Authors : Pratima Tripathi, M K Misra

Study Type : Review

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Myocardial Ischemia : CK(131) : AC(58)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647), Malondialdehyde Down-regulation : CK(541) : AC(145), Superoxide Dismutase Up-regulation : CK(508) : AC(171)

L-arginine has potent in vitro and in vivo neuroprotective properties and may be a candidate for therapeutic trials in ALS.

Pubmed Data : Biochem Biophys Res Commun. 2009 Jul 10;384(4):524-9. Epub 2009 May 8. PMID: [19427829](#)

Article Published Date : Jul 10, 2009

Authors : Junghee Lee, Hoon Ryu, Neil W Kowall

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Amyotrophic Lateral Sclerosis : CK(567) : AC(140)

Pharmacological Actions : Neuroprotective Agents : CK(2243) : AC(1057) , Superoxide Dismutase Up-regulation : CK(508) : AC(171)

L-arginine prevents endothelial dysfunction in rats with chronic renal failure.

Pubmed Data : J Cardiovasc Pharmacol. 2007 Mar;49(3):131-9. PMID: [17414224](#)

Article Published Date : Mar 01, 2007

Authors : Kohei Yamamizu, Kazuya Shinozaki, Kazuhide Ayajiki, Munekazu Gemba, Tomio Okamura

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231) , Hypertension : CK(2843) : AC(395) , Kidney Failure: Chronic : CK(148) : AC(21)

Pharmacological Actions : Superoxide Dismutase Up-regulation : CK(508) : AC(171) , Vasodilator Agents : CK(342) : AC(73)

Additional Keywords : Drug Synergy : CK(351) : AC(156)

L-arginine protects against pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats.

Pubmed Data : Acta Pharmacol Sin. 2005 Aug;26(8):992-9. PMID: [16038634](#)

Article Published Date : Aug 01, 2005

Authors : Wang-teng Lin, Suh-ching Yang, Kung-tung Chen, Chi-chang Huang, Ning-yuean Lee

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Exercise-Induced Tissue Damage : CK(40) : AC(8) , Lipid Peroxidation : CK(692) : AC(252) , Lung Damage : CK(8) : AC(4) , Oxidative Stress : CK(3811) : AC(1363)

Pharmacological Actions : Antioxidants : CK(7226) : AC(2647) , Glutathione Upregulation : CK(152) : AC(53) , Malondialdehyde Down-regulation : CK(541) : AC(145) , Superoxide Dismutase Up-regulation : CK(508) : AC(171)

Oral administration of L-arginine in patients with angina or following myocardial infarction may be protective.

Pubmed Data : Oxid Med Cell Longev. 2009 Sep-Oct;2(4):231-7. PMID: [20716909](#)

Article Published Date : Sep 01, 2009

Authors : Pratima Tripathi, M Chandra, Mithilesh K Misra

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Heart Attack: Recovery](#) : CK(22) : AC(3) , [Myocardial Infarction](#) : CK(1073) : AC(156)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406) , [Hypolipidemic](#) : CK(1159) : AC(245) , [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171) , [Xanthine oxidase inhibitor](#) : CK(26) : AC(13)

Tumor Necrosis Factor (TNF) Alpha Inhibitor (AC 4) (CK 7)

Arginine reverses ethanol-induced inflammatory and fibrotic changes in liver despite continued ethanol administration.

Pubmed Data : J Pharmacol Exp Ther. 2001 Dec;299(3):832-9. PMID: [11714866](#)

Article Published Date : Dec 01, 2001

Authors : A A Nanji, K Jokelainen, G K Lau, A Rahemtulla, G L Tipoe, R Polavarapu, E N Lalani

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Alcoholic Liver Disease](#) : CK(152) : AC(61) , [Inflammation](#) : CK(2870) : AC(843) , [Liver Fibrosis](#) : CK(222) : AC(100)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(451) : AC(269) , [NF-kappaB Inhibitor](#) : CK(1110) : AC(691) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1760) : AC(645)

Dietary arginine supplementation alleviates intestinal mucosal disruption induced by Escherichia coli lipopolysaccharide in weaned pigs.

Pubmed Data : Br J Nutr. 2008 Sep;100(3):552-60. Epub 2008 Feb 14. PMID: [18275628](#)

Article Published Date : Sep 01, 2008

Authors : Yulan Liu, Jingjing Huang, Yongqing Hou, Huiling Zhu, Shengjun Zhao, Binying Ding, Yulong Yin, Ganfeng Yi, Junxia Shi, Wei Fan

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : Escherichia coli Infections : CK(152) : AC(90) , Lipopolysaccharide-Induced Toxicity : CK(357) : AC(216)

Pharmacological Actions : Anti-Inflammatory Agents : CK(4541) : AC(1596) , Interleukin-6 Downregulation : CK(1078) : AC(337), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Intake of red wine increases the number and functional capacity of circulating endothelial progenitor cells by enhancing nitric oxide bioavailability.

Pubmed Data : Arterioscler Thromb Vasc Biol. 2010 Apr;30(4):869-77. Epub 2010 Jan 21. PMID: [20093623](#)

Article Published Date : Apr 01, 2010

Authors : Po-Hsun Huang, Yung-Hsiang Chen, Hsiao-Ya Tsai, Jia-Shiong Chen, Tao-Cheng Wu, Feng-Yen Lin, Masataka Sata, Jaw-Wen Chen, Shing-Jong Lin

Study Type : In Vitro Study

Additional Links

Substances : Arginine : CK(999) : AC(173) , Resveratrol : CK(1242) : AC(744)

Diseases : Cardiovascular Diseases : CK(7020) : AC(889) , Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Antiproliferative : CK(2467) : AC(1677), Enzyme Inhibitors : CK(463) : AC(250), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Additional Keywords : Stilbenes : CK(402) : AC(242)

L-arginine causes amelioration of cerebrovascular dysfunction and brain inflammation during experimental heatstroke.

Pubmed Data : Shock. 2008 Feb;29(2):212-6. PMID: [17693925](#)

Article Published Date : Feb 01, 2008

Authors : Yen-Chia Chen, Yu-Chi Liu, David Hung-Tsang Yen, Lee-Min Wang, Chun-I Huang, Chen-Hsen Lee, Mao-Tsun Lin

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(1012) : AC(176)

Diseases : Brain Inflammation : CK(248) : AC(141), Heat Stroke : CK(5) : AC(2)

Pharmacological Actions : Interleukin-1 beta downregulation : CK(460) : AC(203) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1760) : AC(645)

Vascular Cell Adhesion Molecule-1 Inhibitor (AC 1) (CK 10)

Long-term N-acetylcysteine and L-arginine administration reduces endothelial activation and systolic blood pressure in hypertensive patients with type 2 diabetes.

Pubmed Data : Diabetes Care. 2008 May;31(5):940-4. Epub 2008 Feb 11. PMID: [18268065](#)

Article Published Date : May 01, 2008

Authors : Valentino Martina, Andi Masha, Valentina Ramella Gigliardi, Loredana Brocato, Enzo Manzato, Arrigo Berchio, Paola Massarenti, Fabio Settanni, Lara Della Casa, Stefania Bergamini, Anna Iannone

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173), NAC (N-acetyl-L-cysteine) : CK(295) : AC(72)

Diseases : C-Reactive Protein : CK(1628) : AC(171), Diabetes Mellitus: Type 2 : CK(3354) : AC(593), Endothelial Dysfunction : CK(1166) : AC(231), Fibrinogen: Elevated : CK(104) : AC(12), Hypertension : CK(2843) : AC(395), Intima Media Thickening : CK(153) : AC(34)

Pharmacological Actions : Hypoglycemic Agents : CK(1390) : AC(339), Vascular Cell Adhesion Molecule-1 Inhibitor : CK(117) : AC(30)

Vascular Endothelial Growth Factor A Enhancer (AC 1) (CK 2)

L-arginine potentiates exercise-induced increases in endothelial progenitor cells and VEGF serum levels

Pubmed Data : Int J Cardiol. 2008 Jun 6;126(3):421-3. Epub 2008 Feb 19. PMID: [18243372](#)

Article Published Date : Jun 06, 2008

Authors : Carmela Fiorito, Maria Luisa Balestrieri, Ettore Crimi, Alfonso Giovane, Vincenzo Grimaldi, Pellegrino Biagio Minucci, Luigi Servillo, Francesco Paolo D'Armiento, Bartolomeo Farzati, Claudio Napoli

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Coronary Artery Disease](#) : CK(1468) : AC(155)

Pharmacological Actions : [Vascular Endothelial Growth Factor A Enhancer](#) : CK(4) : AC(2)

Additional Keywords : [Endothelial Progenitor Cells](#) : CK(8) : AC(7)

Vascular Endothelial Growth Factor A Inhibitor (AC 2) (CK 12)

Concomitant treatment with oral L-arginine improves the efficacy of surgical angiogenesis in patients with severe diffuse coronary artery disease.

Pubmed Data : J Thorac Cardiovasc Surg. 2008 Apr;135(4):762-70, 770.e1. Epub 2008 Mar 18.
PMID: [18374753](#)

Article Published Date : Apr 01, 2008

Authors : Marc Ruel, Robert S Beanlands, Mireille Lortie, Vincent Chan, Nancy Camack, Robert A deKemp, Erik J Suuronen, Fraser D Rubens, Jean N DaSilva, Frank W Sellke, Duncan J Stewart, Thierry G Mesana

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Coronary Artery Disease](#) : CK(1468) : AC(155) , [Coronary Bypass Surgery](#) : CK(122) : AC(14)

Pharmacological Actions : [Vascular Endothelial Growth Factor A Inhibitor](#) : CK(132) : AC(71)

L-arginine ameliorates hypoxic pulmonary hypertension.

Pubmed Data : Am J Physiol Lung Cell Mol Physiol. 2009 Jun;296(6):L1042-50. Epub 2009 Apr 3.
PMID: [19346433](#)

Article Published Date : Jun 01, 2009

Authors : K Howell, C M Costello, M Sands, I Dooley, P McLoughlin

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(1012) : AC(176)

Diseases : [Hypertension: Pulmonary](#) : CK(92) : AC(35) , [Hypoxia](#) : CK(121) : AC(59)

Pharmacological Actions : [Angiogenesis Inducing Agents](#) : CK(2) : AC(1) , [Vascular Endothelial Growth Factor A Inhibitor](#) : CK(132) : AC(71)

Vasodilator Agents (AC 7) (CK 56)

L-arginine protects against ischemia/reperfusion-induced endothelial dysfunction in patients with type 2 diabetes mellitus and coronary artery disease.

Pubmed Data : Atherosclerosis. 2009 May;204(1):73-8. Epub 2008 Sep 4. PMID: [18849028](#)

Article Published Date : May 01, 2009

Authors : M Settergren, F Böhm, R E Malmström, K M Channon, J Pernow

Study Type : Human Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Coronary Artery Disease : CK(1468) : AC(155) , Diabetes: Cardiovascular Illness : CK(690) : AC(106), Diabetes Mellitus: Type 2 : CK(3354) : AC(593) , Endothelial Dysfunction : CK(1166) : AC(231)

Pharmacological Actions : Cardiovascular Agents : CK(160) : AC(24) , Vasodilator Agents : CK(342) : AC(73)

L-arginine improve the NO production and prevents glomerular hypertrophy in the offspring of diabetic mothers.

Pubmed Data : Pediatr Res. 2007 Aug;62(2):145-50. PMID: [17597655](#)

Article Published Date : Aug 01, 2007

Authors : Maria de Fatima Cavanal, Guiomar Nascimento Gomes, Andre L Forti, Silvia Oliveira Rocha, Maria do Carmo Pinho Franco, Zuleica B Fortes, Frida Zaladek Gil

Study Type : Animal Study

Additional Links

Substances : Arginine : CK(999) : AC(173)

Diseases : Endothelial Dysfunction : CK(1166) : AC(231) , Gestational Diabetes : CK(76) : AC(10) , Hypertension : CK(2843) : AC(395) , Prenatal Nutrition: Prevention of Problems : CK(367) : AC(42)

Pharmacological Actions : Nitric Oxide Enhancer : CK(189) : AC(46) , Vasodilator Agents : CK(342) : AC(73)

L-arginine prevents endothelial dysfunction in rats with chronic renal failure.

Pubmed Data : J Cardiovasc Pharmacol. 2007 Mar;49(3):131-9. PMID: [17414224](#)

Article Published Date : Mar 01, 2007

Authors : Kohei Yamamizu, Kazuya Shinozaki, Kazuhide Ayajiki, Munekazu Gemba, Tomio Okamura

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Hypertension](#) : CK(2843) : AC(395), [Kidney Failure: Chronic](#) : CK(148) : AC(21)

Pharmacological Actions : [Superoxide Dismutase Up-regulation](#) : CK(508) : AC(171), [Vasodilator Agents](#) : CK(342) : AC(73)

Additional Keywords : [Drug Synergy](#) : CK(351) : AC(156)

L-arginine reverses alterations in drug disposition induced by spinal cord injury by increasing hepatic blood flow.

Pubmed Data : J Neurotrauma. 2007 Dec;24(12):1855-62. PMID: [18159997](#)

Article Published Date : Dec 01, 2007

Authors : Antonio Vertiz-Hernandez, Gilberto Castaneda-Hernandez, Angelina Martinez-Cruz, Leticia Cruz-Antonio, Israel Grijalva, Gabriel Guizar-Sahagun

Study Type : Animal Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Spinal Cord Injuries](#) : CK(139) : AC(46)

Pharmacological Actions : [Nitric Oxide Enhancer](#) : CK(189) : AC(46), [Vasodilator Agents](#) : CK(342) : AC(73)

L-arginine supplementation improves endothelial dysfunction in MELAS patients.

Pubmed Data : Neurology. 2006 Jun 13;66(11):1766-9. PMID: [16769961](#)

Article Published Date : Jun 13, 2006

Authors : Y Koga, Y Akita, N Junko, S Yatsuga, N Povalko, R Fukiyama, M Ishii, T Matsuishi

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Melas Syndrome](#) : CK(23) : AC(3)

Pharmacological Actions : [Vasodilator Agents](#) : CK(342) : AC(73)

Pharmokinetics-Pharmodynamics: L-arginine-induced vasodilation in healthy humans.

Pubmed Data : Br J Clin Pharmacol. 1998 Nov;46(5):489-97. PMID: [9833603](#)

Article Published Date : Nov 01, 1998

Authors : S M Bode-Böger, R H Böger, A Galland, D Tsikas, J C Frölich

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Endothelial Dysfunction](#) : CK(1166) : AC(231), [Hypertension](#) : CK(2843) : AC(395)

Pharmacological Actions : [Vasodilator Agents](#) : CK(342) : AC(73)

Short-term oral l-arginine is effective at improving the fasting vascular endothelial function when the baseline fasting flow-mediated dilation is low.

Pubmed Data : Am J Clin Nutr. 2009 Jan;89(1):77-84. Epub 2008 Dec 3. PMID: [19056561](#)

Article Published Date : Jan 01, 2009

Authors : Yongyi Bai, Lan Sun, Tao Yang, Kai Sun, Jingzhou Chen, Rutai Hui

Study Type : Meta Analysis

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Cardiovascular Diseases](#) : CK(7020) : AC(889), [Endothelial Dysfunction](#) : CK(1166) : AC(231)

Pharmacological Actions : [Vasodilator Agents](#) : CK(342) : AC(73)

Xanthine oxidase inhibitor (AC 1) (CK 10)

Oral administration of L-arginine in patients with angina or following myocardial infarction may be protective.

Pubmed Data : Oxid Med Cell Longev. 2009 Sep-Oct;2(4):231-7. PMID: [20716909](#)

Article Published Date : Sep 01, 2009

Authors : Pratima Tripathi, M Chandra, Mithilesh K Misra

Study Type : Human Study

Additional Links

Substances : [Arginine](#) : CK(999) : AC(173)

Diseases : [Heart Attack: Recovery](#) : CK(22) : AC(3), [Myocardial Infarction](#) : CK(1073) : AC(156)

Pharmacological Actions : [Cardioprotective](#) : CK(1591) : AC(406), [Hypolipidemic](#) : CK(1159) :

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