CALIFORNIA
TABLE GRAPE
COMMISSION

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California Table Grape Commission
Supported Research Studies 1999–2016

As of October 2016

HEART HEALTH

1. *Vasoprotective Effects of a Standardized Grape Product, John Bauer, Ohio State University*
2. *Grapes and Cardioprotection, Dipak Das, University of Connecticut*
3. *Reduction of Myocardial Ischemia Reperfusion with Regular Consumption of Grapes, Dipak Das, University of Connecticut*
4. *Anti-Atherogenic Activity of Grapes in Hypercholesteremic Transgenic Mice, Kathryn McMahon, Texas Tech University of Health Sciences Center*
5. *Favorable Effects of Grapes on LDL Oxidation and Atherosclerotic Lesions. Studies in Ovariectomized Guinea Pigs, a Model for Menopause, Maria Luz Fernandez, University of Connecticut*
6. *Prevention of Atherosclerosis by Standardized Grape Preparation: Mechanistical Studies in Cell Culture, Atherosclerotic Mice and Humans, Bianca Fuhrman, Lipid Research Lab, Rambam Medical Center, Israel*
7. *Cardioprotective Effects of Grape Polyphenols in Pre- and Post-Menopausal Women, Maria Luz Fernandez, University of Connecticut*
8. *Cardioprotection by Resveratrol and Freeze-Dried Grape Preparation, Joseph M. Wu, New York Medical College*
9. *Grape Antioxidant Impact on Heart Failure Pathogenesis, Steven Bolling, University of Michigan*
10. *Effects of Resveratrol and/or Grape Powder on Estrogen Dependent Modulation of Lesion Area in a Rodent Model for Atherosclerosis and Restinosis, Tammy Dugas, Louisiana State University*
11. *Effects of Freeze-Dried Table Grape Powder on Vascular Health in Post-Menopausal Women, Carl Keen, University of California, Davis*
12. *Effects of Grape Consumption on Resistance Artery Structure, Function, and Stiffness in Hypertension, Dr. Hope Anderson, University of Manitoba*
13. *The Short Term Effects of Grape Consumption on the Microvasculature in Prediabetic and Diabetic Individuals, Mary Lott, Pennsylvania State University Heart and Vascular Institute*
14. *Does Grape Ingestion Improve Coronary Vascular Regulation in CAD Patients After Coronary Artery Bypass Graft Surgery in Humans? Kevin Monahan, Pennsylvania State University Heart and Vascular Institute*
15. *Effects of Whole Grape Powder on Cardiovascular Disease Risk Factors, Cognitive Function and Emotional Status in Postmenopausal Women, Sheau Ching Chai, University of Delaware*
16. *Effects of a Standardized Freeze-dried Grape Powder on HDL Function in Metabolic Syndrome, Christopher Blesso, University of Connecticut*

DIABETES METABOLIC SYNDROME

1. *Grape-Enriched Diets Reduce Metabolic Syndrome in Rats, Stephen Bolling, University of Michigan*
2. *A Comprehensive Evaluation of the Protective Effects of Grape Polyphenols Against Dyslipidemias, Hypertension, Inflammation, Oxidative Stress and Vasoconstriction in Male Subjects Classified with Metabolic Syndrome, Maria Luz Fernandez, University of Connecticut*
3. *Differential Effects of Grape Powder and Its Extract on Glucose Tolerance and Chronic Inflammation in High-Fat-Fed Obese Mice, Michael McIntosh, University North Carolina at Greensboro*
4. *Stimulation of GLP-1 Levels by Grapes: a Novel Approach for Improving Glucose Control in Prediabetes, Andrew Neilson, Virginia Tech*

EYE HEALTH

1. *Age-Related Blindness: Possible Prevention or Delay by Grape Powder, Silvia Finneman, Weill Medical College*
2. *Neuroprotection in Age-Related Macular Degeneration (AMD) by Grape Extract, Baerbel Rohrer, Medical University of South Carolina*
3. *Grape Consumption Prevents Age-Related Blindness: Optimizing Course of Therapy and Identifying Target Organelles, Silvia C. Finneman, Fordham University*
4. *Investigation of Grape Consumption as Therapy for Preserving Vision, Abigail Hackam, University of Miami*
5. *Grape Consumption Activates the Notch Pathway to Reduce Pathological Angiogenesis, Arthur Polans, University of Wisconsin*
6. *Using Grapes as a Magic Bullet to Fight Against Free Radicals in the Eye: Application to Cataract Prevention, Hongli Wu, North Texas Eye Research Institute*
7. *Role of Grapes in DJ-1 Regulation of Oxidative Stress: Implications to Age-Related Macular Degeneration, Vera Bonilha, Cleveland Clinic Foundation/The Cole Eye Institute*

CANCER

1. *Evaluation of Cancer Chemoprevention Potential of Standardized Grape Extract (Lung and breast cancer models), John M. Pezzuto, University of Illinois at Chicago*
2. *Inhibition of Metalloproteinase Gene Expression by Extract of Fresh Grapes, Constance Brinkerhoff, Dartmouth Medical School*
3. *Evaluation of Cancer Chemoprevention Potential of Standardized Grape Extract (Animal models colon and prostate cancer), John M. Pezzuto, University of Illinois at Chicago*
4. *Oral Administration of Freeze-Dried Powder to Prevent Photodamage to Skin , Donald Godwin, University of New Mexico Health Sciences Center*
5. *Inhibition of Different Stages of Skin Carcinogenesis with Freeze-Dried Grape Powder, Margaret Hanausek, AMC Cancer Research Center*
6. *The Protective Effect of Standardized Grape Preparation Against Cancer/Anticancer Activity of Grape and Grape Skin Extracts Combined with Catechins Based on Inhibition of tNOX and Growth of HeLa Cells in Culture and 4T1 Mouse Mammary Tumors in Mice, Dorothy Morre, Purdue University*
7. *Inhibition of PhIP-DNA Adduct Formation in Female F344 Rats by Dietary Freeze-Dried Grape Powder, Herman Schut, Medical College of Ohio*

8. *Interactive and Synergistic Effects of Grape Powder, Grape Seed Proanthocyanidins, Resveratrol, and Quercetin in a Colon Cancer Model, Jerry Exon, Holm Research Center, University of Idaho*
9. *Effects of Freeze-Dried Powder on WNT Signaling and Colon Cancer, Randall Holcombe, University of California, Irvine*
10. *Evaluation of Aromatase Inhibition Potential of Standardized Grape Powder, Janet Olson, Mayo Clinic*
11. *Chemoprevention of Esophageal Cancer with Grape Consumption: A Clinical Investigation in China, Tong Chen, Ohio State Comprehensive Cancer Center*
12. *Dietary Prevention of Photodamage in Skin with Grapes: A Human Clinical Study*, *Craig Elmets, University of Alabama Birmingham*
13. *Suppression of Colon Carcinogenesis by Grape Powder through Mitigation of Inflammation and Induction of Apoptosis of Colon Cancer Stem Cells in APCMin/+ Mice, Jairam Vanamala, Pennsylvania State University*
14. *Grape Powder Management in Skin Cancer, Nihal Ahmad, University of Wisconsin*

INFLAMMATION

1. *Effects of Grape Powder on Inflammation Markers in Post-Menopausal Women, Johanna Slavin, University of Minnesota*
2. *Effect of Grape Powder Supplementation on Inflammation Biomarkers in Human Volunteers, Ishwarlal Jialal, UC Davis and Veteran's Administration Northern California Healthcare System*
3. *Does Grape Consumption Have Potential to Inhibit Hyperproliferative Effects of Colon-Specific Growth Factor/Infectious/inflammatory Agents? Pomila Singh, University of Texas Medical Branch*
4. *Anti-Inflammatory Activities of Grapes in Humans at Risk for Cardiovascular Disease, Susan Zunino, USDA ARS Western Human Nutrition Research Center*
5. *Effect of Grape Powder Consumption on Fitness, Work Capacity, and Exercise-Induced Inflammation, Pain and Disability, Patrick O'Connor, University of Georgia*
6. *Multi-Organ Profiling of the Anti-Inflammatory Effects of Grape Intake, Steven Bolling, University of Michigan*
7. *Effect of Whole Grape Powder on Attenuation of Inflammatory Status in Obese Individuals, Francene Steinberg, University of California, Davis*
8. *Prebiotic Impact of Grape Powder on GI Microbiota, Intestinal Barrier Function, and Systemic Inflammation in High Fat Fed Mice, Michael McIntosh, University North Carolina at Greensboro*
9. *Effects of Whole Grape Powder on NF-kB Driven Inflammatory Signaling, Temesgen Samuel, Tuskegee University*

BRAIN HEALTH

1. *Therapeutic Effect of Grape Intake in Animal Models of Neurodegeneration, Giovanni Manfredi, Weill Medical College of Cornell University*
2. *Polyphenolic Grape Constituents Increase Bioavailability of L-DOPA: Benefits in the Treatment of Parkinson's Disease, Bao Ting Zhu, University of South Carolina*
3. *Can Grapes Prevent Brain Aging? Robert Klein, University of Kansas Medical Center Research Institute*
4. *The Neuroprotective Effects of Grape Polyphenols, Albert Sun, University of Missouri School of Medicine*

5. *Protective Effects of Grape Phytonutrients in a Model of Alzheimer's Disease, Jason Eriksen, University of Houston*
6. *Are Grapes Neuroprotective in a Mouse Model of Stroke and Alzheimer's Disease? Richard Hartman, Loma Linda University*
7. *Grapes and Alzheimer's, Edward Neafsey, Loyola University, Chicago*
8. *Examining the Impact of Freeze-Dried Table Grape Powder on Brain Metabolism and Cognitive Function in Patients with Mild Cognitive Impairment, Dr. Daniel H. Silverman, University of California Los Angeles*
9. *Effect of Grape Powder on Oxidative-Stress Induced Anxiety-Like Behavior, Memory Impairment and High Blood Pressure in Rats, Samina Salim, University of Houston*
10. *Effect of Grape Powder on Ovariectomy-Induced Anxiety-Like Behavior, Memory Impairment and High Blood Pressure in Rats, Samina Salim, University of Houston*
11. *Can Consumption of Grapes Augment Exercise-Induced Effects Against Oxidative Stress in an Aged Rodent Model of PD? Amanda Smith, Veteran's Research Foundation of Pittsburgh*
12. *Does Eating Grapes Protect White Matter from Stroke? Selva Baltan and Sylvain Brunet, Cleveland Clinic Foundation*

ANTIOXIDANT STATUS

1. *Absorption, Metabolism, and Antioxidant Capacity of Grape Polyphenols, Ronald Prior, Arkansas Children's Nutrition Center*

EAR HEALTH

1. *The Effects of Standardized Grape Preparation on Presbyacusis, Michael Seidman, Henry Ford Health System*

BLADDER/KIDNEY HEALTH

1. *Protection of Urinary Bladder Function by Grape Extracts, Robert Levin, Albany College of Pharmacy*
2. *Ischemic Bladder Dysfunction: Protection by Grape Suspension, Robert Levin, Albany College of Pharmacy*
3. *Effect of H_2O_2 on Rabbit Urinary Bladder Citrate Synthase Activity in the Presence/Absence of a Grape Suspension, Robert Levin, Albany College of Pharmacy*
4. *Benefits of Grape Intake on Chronic Kidney Disease, Caigan Du, University British Columbia*

BONE AND JOINT HEALTH

1. *Freeze-Dried Grape Powder as a Potential Adjuvant in the Treatment of Rheumatoid Arthritis, Srinvasa Raja, John Hopkins Hospital*
2. *Grape Consumption Improves Joint Mobility and Relieves Pain Associated with Knee Osteoarthritis, Shanil Juma, Texas Women's University*
3. *Effect of Whole Grape Powder on Inflammatory, Body Composition and Fat and Bone Serum Biomarkers in Women, Nancy DiMarco, Texas Women's University*
4. *The Effects of Grapes on Bone Health and Calcium Metabolism in a Rat Model of Postmenopausal Osteoporosis, Connie Weaver, Purdue University*
5. *Will Grape Powder Inhibit Features of Rheumatoid Arthritis? Du Soung, Columbia University*

6. *Bone Response to Dietary Enrichment with Grape Powder and Probiotics, Cynthia Blanton, Idaho State University*

GRAPE POWDER DELIVERY MECHANISM

1. *Characterization of Critical Physical and Mechanical Properties of Lyophilized Grape Powder Required for Patient Delivery System, Ken Morris, University of Hawaii , Hilo.*