

INDEPENDENT STUDY PROJECTS
Class of 2003

Title

Chair/Department

Hyperbaric Oxygen vs. Normobaric Oxygen in the Treatment of Carbon Monoxide Poisoning: A Systematic Review and Meta-analysis of Randomized Clinical Trials	Stephen Hayden, M.D. Medicine
Creating a Script for a Cancer Education Video for the Deaf and Hard-of-Hearing: Ovarian, Endometrial and Cervical Cancer	Georgia Sadler, Ph.D. Surgery
Analysis of Hemodynamic Responses to Inhaled Nitric Oxide in Patients with Primary Pulmonary Hypertension	Richard Channick, M.D. Medicine
A Community Needs Assessment: San Ysidro Health Center	Gregory Talavera, M.D., M.P.H. Family and Preventive Medicine
Efficacy of the PACE+ Program for Adolescents with Type 2 Diabetes Mellitus to Modify Behaviors that Propagate Obesity	Michael Gottschalk, M.D., Ph.D. Pediatrics
Gamma-hydroxybutyrate: Medical Community Misconceptions of an Up-and-Coming Recreational Drug	Shannon Robinson, M.D. Psychiatry
Low Bone Mineral Density in Adults with Cystic Fibrosis: A Retrospective Evaluation	Steven Edelman, M.D. Medicine
Pilot Study to Track the Etiological Basis of Fractures in Children	Scott Mubarak, M.D. Orthopaedics
The Diagnostic and Emotional Impact of 3-Dimensional Imaging	Dolores Pretorius, M.D. Radiology
EUS/FNA and the Cytologic Diagnosis of Chronic Pancreatitis	Cindy Behling, M.D., Ph.D. Pathology
TNF- α Polymorphisms in Kawasaki Disease	Jane Burns, M.D. Pediatrics
Hepatotoxicity and Responses to Potent ART in HIV/HCV-Infected Patients Compared to Matched HIV-Infected Patients	Francesca Torriani, M.D. Medicine
Educating Vietnamese Patients about Hypercholesteremia, Nutrition, and Physical Activity to Reduce Serum Cholesterol Levels	Richard Kronick, Ph.D. Family and Preventive Medicine
Comparing Type 1 and Type 2 Diabetes Mellitus in Children by Analyzing Trends in Clinical Characteristics and Laboratory Data	Michael Gottschalk, M.D., Ph.D. Pediatrics
Appearance of the Hymen in Adolescent Girls With and Without a History of Sexual Activity	Joyce Adams, M.D. Pediatrics

Combined Effects of PMMA and TNF-alpha on Osteoblast Proliferation	KL Paul Sung, Ph.D. Orthopaedics
Fractalkine Signaling in HIV gp120-induced Neuronal Apoptosis	Stuart Lipton, M.D., Ph.D. Neurosciences
The Use of B-type Natriuretic Peptide (BNP) as a Predictor of Cardiac Morbidity and Mortality in Patients with Diabetes Mellitus	Alan Maisel, M.D. Medicine
3-D Laser Imaging of the Eye	Linda Zangwill, Ph.D. Ophthalmology
Prospective Analysis of Breast Ultrasound Level of Suspicion	Michael Andre, Ph.D. Radiology
Preoperative and Postoperative Neurodevelopment Findings in Single Suture Craniosynostosis	Steven Cohen, M.D. Surgery
Age-related Expression of Neutrotrophin Factor 3 and Its Role in Presbycusis	Elizabeth Keithley, Ph.D. Surgery
Effects of Low Illumination Levels on Mood and Sleep in ICU Patients	Daniel Kripke, M.D. Psychiatry
Clinical and Pathological Correlation of Male Breast Cancer	Jessica Wang-Rodriguez, M.D. Pathology
Atrial Fibrillation: A Review	Gregory Feld M.D. Medicine
Determinants of Patient Satisfaction after the Tension Free Vaginal Tape Procedure	Charles Nager, M.D. Reproductive Medicine
An Analysis of the Safety and Efficacy of Pulsed Radiofrequency Neurotomy (PRFN) at the UCSD Center for Pain and Palliative Medicine	Farshad Ahadian, M.D. Anesthesiology
Breastfeeding 101: The Untaught Lesson	Lisa Stellwagen, M.D. Pediatrics
Geographically Individualized Community Resources in San Diego	Karen Loper, M.D. Pediatrics
Prospective Symptoms Questionnaire for Interstitial Cystitis in Men	Lowell C. Parsons, M.D. Surgery
Utility of B-type Natriuretic Peptide (BNP) as a Screen for Left Ventricular Dysfunction in Patients with Diabetes Mellitus	Alan Maisel, M.D. Medicine
Effect of Copper and Zinc Sulfate on Ability of Telomerase Specific Cytotoxic T Lymphocytes to Lyse Murine Malignant Lymphoma	Maurizio Zanetta, M.D. Medicine
Study of the Perception and Use of Sunscreen: A Comparison Between the General Population and Medical Students	Mark Bracker, M.D. Family and Preventive Medicine

Comparing the Effects of Temperature and Intraocular Pressure on Eye Size	John Liu, Ph.D. Ophthalmology
Sex-related Differences in Patients with Severe Head Injury: Greater Susceptibility to Brain Swelling in Female Patients 50 Years of Age or Younger	Lawrence Marshall, M.D. Surgery
A Survey of Smoking and Interest in Cessation in the Homeless Population Served by the UCSD SOM Student-run Free Clinic Project	Ellen Beck, M.D. Family and Preventive Medicine
An Anatomical Study of the Anatomic Insertion Site for an Intramedullary Nail in the Distal Fibula	Jeffrey Smith, M.D. Orthopaedics
The Role of Uneven Hypoxic Vasoconstriction in the Development of High-Altitude Pulmonary Edema	Sue Hopkins, M.D., Ph.D. Medicine
Erectile Dysfunction in Combat Veterans with Post-Traumatic Stress Disorder	Murray Stein, M.D. Psychiatry
The Incidence of Anticoagulation of Aortic Dissection in the Emergency Department	Daniel Davis, M.D. Medicine
Analysis of Planimetry Data of Macropore Wound Contracture Study	Mayer Tenenhaus, M.D. Surgery
Immune Restoration Syndrome in HIV-Infected Patients Initiating Antiretroviral Therapy in Association with Mycobacterium Avium Intracellulare Infection	Rolando Viani, M.D. Pediatrics
Clinic, Virologic, and Immunologic Outcomes of Antiretroviral Therapy, According to Baseline CD4 Stratum at Treatment Initiation	W. Christopher Mathews, M.D. Medicine
Handbook of Integrative Medicine for Common Medical Conditions	Ellen Beck, M.D. Family and Preventive Medicine
Assessing the Value of B-type Natriuretic Peptide (BNP) as a Prognostic Indicator for Patients Presenting to the ED with Dyspnea	Alan Maisel, M.D. Medicine
An Evidence-based Tool to Evaluate the Utility of Regional Stroke Centers	Binh T. Ly, M.D. Medicine
Outcomes Analysis of Strabismus Surgery for Thyroid Orbitopathy	David Granet, M.D. Ophthalmology
Distribution of Toll-like Receptor 1 and Toll-like Receptor 2 in Human Lymphoid Tissue	Constance Nagi, M.D. Medicine
Positive Family History of Breast and/or Ovarian Cancer and Adherence to Dietary Intervention in Women with Recently Diagnosed Breast Cancer	Cheryl Rock, Ph.D., R.D. Family and Preventive Medicine
Biochemical and Clinical Profiles of Nucleotide Depletion	Alice Yu, M.D., Ph.D. Pediatrics
Periosteum Sealing in Articular Chondrocyte Implantation: Contributions of Sutures and Fibrin Sealant	Robert Sah, M.D., Ph.D. Bioengineering

Preoperative Serum BNP Level as a Predictor of Postoperative Complications and Outcomes in Patients Undergoing Heart Surgery	Alan Maisel, M.D. Medicine
Acute Compartment Syndrome: An Educational CD-ROM	Jeffrey Smith, M.D. Orthopaedics
Noninvasive Intracranial Pressure Monitoring During Orthostatic Stress	Alan Hargens, Ph.D. Orthopaedics
Healthcare Providers' Perceptions of the Needs of Older Patients with Psychotic Disorders	Dilip Jeste, M.D. Psychiatry
Prednisone Metabolism in Recipients of Kidney or Liver Transplants and in Lung Recipients Receiving Ketoconazole	Robert Steiner, M.D. Medicine
Physician Survey Addressing Cultural Beliefs and Biases Affecting Physician Referral Patterns of Ethnic Minorities to San Diego Hospice	Laurel Herbst, M.D. Medicine
Induction of Tyrosinase Gene Transcription in Human Iris Organ Cultures Exposed to Latanoprost	James Lindsey, Ph.D. Ophthalmology
The Feasibility of Diet Intervention in Subjects at Risk for Recurrence of Colorectal Adenomas	Cheryl Rock, Ph.D., R.D. Family and Preventive Medicine
Unreal City	Stephen Baird, M.D., Ph.D. Pathology
Evaluation of the Efficacy of Hot Water in the Treatment of Stingray Envenomations	Richard Clark, M.D. Medicine
Age Related Molecular Changes in Male Erectile Tissue: Role of Vascular Endothelial Growth Factors	Mahadevan Rajasekaran, M.D. Surgery
Perinatal Transmission of Human Immunodeficiency Virus Type 1 at UCSD: Evaluating the Effect of Evolving Therapy and Additional Modifiers of Transmission Risk	Rolando Viani, M.D. Pediatrics
GBV-C in the HIV/HCV Population: Prevalence, Response to Treatment, and Effect on HIV and HCV Disease Progressions	Francesca Torriani, M.D. Medicine
Development of Visualization Tools to Characterize Vascularization Indices	Robert Mattrey, M.D. Radiology
The Impact of BMI and Obesity on the Prognosis of Colorectal Cancer	Cheryl Rock, Ph.D., R.D. Family and Preventive Medicine
Health and Chronic Disease of the Bedouin of Southern Jordan in the Midst of Globalization	Lawrence Palinkas, M.D. Family and Preventive Medicine
The Role of ABO Blood Type in the Use of Fresh Osteochondral Allografts	William Bugbee, M.D. Orthopaedics

Assessing Insulin Resistance in PCOS Subjects	Jeffrey Chang, M.D. Reproductive Medicine
Study of Substantivity of Water-Resistant Sunscreens in an Ocean Environment	Mark Bracker, M.D. Family and Preventive Medicine
Effect of NT-3 on the Auditory Sensory and Neural Cells in Cytomegalovirus-induced Inflammation	Elizabeth Keithley, Ph.D. Surgery
Non-invasive Estimation of the Pressure Gradient Across Vascular Stenoses Using Ultrasound Contrast	Robert Mattrey, M.D. Radiology
The Perinatal and Economic Impact of Public Funding of Prenatal Care	Thomas Moore, M.D. Reproductive Medicine
Outcomes from a Multicenter Study of Patients Undergoing Kyphoplasty to Treat Vertebral Compression Fractures	Steven Garfin, M.D. Orthopaedics
The Mechanics of Laryngoscopy: A Comparison between Novice and Expert of the Force, Torque, Time and Distance Involved in Endotracheal Intubation	Randolph Hastings, M.D., Ph.D. Anesthesiology
Utility of B-Natriuretic Peptide in Detecting Diastolic Dysfunction	Alan Maisel, M.D. Medicine
A Survey of Academic Otolaryngology's Perceptions of Percutaneous versus Open Tracheostomy	Kris Moe, M.D. Surgery
Nocturnal Oxygen Enrichment of Room Air at High Altitude Increases Daytime Oxygen Saturation without Changing Control of Ventilation	John West, M.D., Ph.D. Medicine
Attitudes Toward Public Smoking and Smoking Behavior in Light of Public Policy: Birmingham, AL vs. San Diego, CA	John Pierce, Ph.D. Family and Preventive Medicine
Phase I/II Study of IV Topotecan in Combination with Whole Brain Radiation for the Treatment of Brain Metastases	Matthew Spear, M.D. Radiology
Inflammation of the Inner Ear Resulting from Acoustic Trauma	Elizabeth Keithley, Ph.D. Surgery
Predicting Ventricular Arrhythmias in High Risk Patients from B-Type Natriuretic Peptide	Sanjiv Narayan, M.B., M.D., M.R. Medicine
Appendicitis CT Revisited – Overlooked and Unanswered Criteria	Claude B. Sirlin, M.D. Radiology
Adolescent Health Risk Tutorial	Karen Loper, M.D. Pediatrics
The Role of FAK/P13K and FAK/Src in Endothelial Cell Migration and Wound Healing	Shu Chien, M.D., Ph.D. Bioengineering

Quantifying Neutrophil Activation with Zyleneol Orange: A Possible Method for Detecting Systemic Activation	Robert Pedowitz, M.D., Ph.D. Orthopaedics
The Role of RhoA in Integrin $\alpha 5\beta 1$ Mediated Regulation of Angiogenesis	Judith Varner, Ph.D. Medicine
The Electrocardiographic Manifestations of Pediatric Patients in the Emergency Department	Theodore Chan, M.D. Medicine
Gait Mechanics Using a Lower Body Positive Pressure Chamber for Orthopaedic Rehabilitation	Alan Hargens, Ph.D. Orthopaedics
Quality of Well-being Scale Use at a Student-run Free Clinic	Ellen Beck, M.D. Family and Preventive Medicine
The Potential Role of Quantitative Capnometry in Pre-hospital Ventilation Following Traumatic Brain Injury	Daniel Davis, M.D. Medicine
Improving the Accuracy of Breast Ultrasound in the Classification of Benign vs. Malignant Masses	Michael Andre, Ph.D. Radiology
Biochemical Evaluation of a New Technique for Rotator Cuff Repair	Robert Pedowitz, M.D., Ph.D. Orthopaedics
Overexpression of Angiopoietin-1 within the Hearts of Transgenic Mice	Patricia Thistlethwaite, M.D., Ph.D. Surgery
Neurocircuitry Database	Floyd Bloom, M.D. Neurosciences
The Use of Oral Antibiotics in the Convalescent Phase Treatment of Osteomyelitis: A Retrospective Review	John Bradley, M.D. Pediatrics
Evaluating and Strengthening Education on Intimate Partner Violence at UCSD Medical School	Cynthia Kuelbs, M.D. Pediatrics
Obesity, Insulin Resistance and other Clinicopathological Correlates of Pediatric Nonalcoholic Fatty Liver Disease	Joel Lavine, M.D., Ph.D. Pediatrics
The Use of Wavefront Aberration Analysis in LASIK Patients: Does the Reduction of Higher Order Aberrations Result in Increased Patient Satisfaction and Visual Function?	David Schanzlin, M.D. Ophthalmology
A Review of Diffusion-Weighted MR and CT in the Assessment of Acute Ischemic Stroke	Steven Hayden, M.D. Medicine
Further Elucidation of TNF and Decoy Receptor Role in Ischemic Preconditioning	Daniel Davis, M.D. Medicine
Nutritional Factors and Prognosis after the Diagnosis of Colorectal Cancer	Cheryl Rock, Ph.D., R.D. Family and Preventive Medicine

Rapid Measurement of B-type Natriuretic Peptide (BNP) in the Diagnosis and Management of Congestive Heart Failure in the Outpatient Clinic Setting	Alan Maisel, M.D. Medicine
The Role of the luxS Gene in the Pathogenesis of Helicobacter Pylori	Donald Guiney, M.D. Medicine
Stem Cell Gene Therapy in Spinal Cord Injury	Mark Tuszynski, M.D., Ph.D. Neurosciences
Identification and Quantification of Markers of Acute Pulmonary Allograft Rejection	Abraham Rothman, M.D. Pediatrics
Emergency Department Utilization by Owen Clinic Patients: A Longitudinal Analysis	W. Christopher Mathews, M.D. Medicine
Visual Evoked Response Potentials in a Reflexive Prosaccade and Antisaccade Paradigm	David Braff, M.D. Psychiatry
Case Series of Neuropathic Pain Patients Successfully Treated with Lidocaine Patch	Albert Leung, M.D. Anesthesiology
Going to the Market: Health Care in an Age of Technology and Scarcity	Charles Mittman, M.D. Medicine
Light-emitting Diodes in Wound Healing: Evidence for Quantum Communication in Living Tissue?	Sandra Daley, M.D. Pediatrics
Analysis of the Roles of Complementary Therapies in Treatment of Early Breast Cancer: Acupuncture for Nausea, Massage for Lymphedema	Ellen Beck, M.D. Family and Preventive Medicine
Prevalence of Interstitial Cystitis in a Fixed Population of Female Medical Students	C. Lowell Parsons, M.D. Surgery
OTC Dietary Supplement Database	Helene Hoffman, Ph.D. Medicine
Clipping vs. No Hair Removal in Inguinal Herniorrhaphy	Bard Cosman, M.D. Surgery
Epidemiology of Invasive Bacterial Disease in Children, Children's Hospital and Health Center, San Diego, CA, 1993-2001	John Leake, M.D., Ph.D. Pediatrics
Hemodynamic Effects of Co-administration of L-Arginine and Sildenafil (Viagra) in Awake Volunteers	David Roth, M.D., Ph.D. Anesthesiology
The Clinical Diagnosis of Acute Cholecystitis in the Pregnant Patient	Stephen Hayden, M.D. Medicine
Evaluation of Medical Student Time Preferences	Theodore Ganiats, M.D. Family and Preventive Medicine
Clinical and Laboratory Characteristics of Naturally Occurring Brucellosis in San Diego	Lee Rickman, M.D. Medicine

The Behavioral Effects of Children Witnessing Violence	Patty Vitale, M.D. Pediatrics
Light Exposure and Mood Levels in Postpartum Women	Daniel Kripke, M.D. Psychiatry
Tutorial on Physical Medicine and Rehabilitation	Mark Bracker, M.D. Family and Preventive Medicine
The Effects of Adding Ipratropium Bromide to Albuterol in the Pre-hospital Treatment of Acute Bronchoconstriction	Gary Vilke, M.D. Medicine
New Technique for Light Transillumination of Tissue for the Visualization of Peripheral Vasculature	Jerold Chun, M.D., Ph.D. Pharmacology
EGF-R and ErbB Receptor Function and Expression in Neurospheres	Mark Tuszynski, M.D., Ph.D. Neurosciences
A Randomized, Blinded Comparison of Acetaminophen with Codeine and Ibuprofen for Treatment of Acute Pain in Children with Extremity Injuries	Ian McCaslin, M.D. Pediatrics