

2018 Santa Clara Valley Medical Center Research Administration Annual Report

Well thought out, relevant clinical research plays an important role in the advancement of clinical care to the residents of Santa Clara County and beyond. In 2014, a dedicated Research Administration Department was created with the goal of providing a structured oversight of hospital-wide research studies. The department is a critical resource for principal investigators, clinicians, staff and IRB committee.

Assisting in the review of research projects within the hospital, Research Administration collaborates with other hospital departments such as Administration, Institutional Review Board, Compliance, County Counsel and Finance. Proposed research projects go through a thorough administrative review process to ensure that the proposals align with SCVHHS mission and vision, meet compliance standards, minimize risk to the institution, utilize appropriate resources, demonstrate transparency with regard to finances, and most importantly are of value to our patients and community.

This is the Research Annual Report for the 2018 calendar year.

We hope you enjoy reading about the important research being conducted at SCVMC.

Meet the Research Administration Department!

The Director of Research Administration is **Jerry Wright**. Prior to coming to Research Administration, Jerry worked as a Clinical Research Manager for more than 25 years. He has more than 30 publications in the area of rehabilitation after brain and spinal cord injury and is a sought after grant and journal reviewer. Jerry can be reached at Jerry.Wright@hhs.sccgov.org or at (408) 793-2098.

Sarah Lavoie is the Analyst for Research Administration. Before transitioning to Research Administration in 2018, Sarah worked in research for over 6 years, including at the Rehabilitation Research Center at SCVMC to assist with various study related duties for projects within the Physical Medicine and Rehabilitation Department. Sarah can be reached at Sarah.Lavoie@hhs.sccgov.org or at (408) 885-3285.

Physician Executives

Dr. Phuong H Nguyen, SCVMC Interim CMO (February 2019 - Present)

Dr. John Fankhauser, SCVMC CMO (June 2018 - February 2019)

Research Administration also maintains an active Intranet website. Provided on the website are the department approval forms, policies, processes, publication lists and frequently asked questions. The website is located at:

<https://hhsconnect.sccgov.org/sites/vmc/research/>



Research Administration Vision

Our vision is to support an ethical, relevant, and sustainable research program in clinical and healthcare delivery science that is aligned with our SCVHHS Mission and Vision.

Research Administration Mission

- ❖ To support the pursuit of relevant, high quality clinical research
- ❖ To assist and guide clinical staff through the research proposal and development process
- ❖ To coordinate sharing of knowledge from research activities leading to improvements in clinical care
 - ❖ To provide financial and administrative oversight for all research projects

Many Thanks to our 2018 Principal Investigators!

Sangeeta Aggarwal, MD (6 studies), Hematology/Oncology
Christina Anderson, MD, Neonatology
Nicole Baier, MD (3 studies), Pediatrics
Jenny Dai Biller, MD, OB/GYN
Joy Brown, MD, OB/GYN
Tiffany Castillo, MD, Surgery
Tiffany Chao, MD, Surgery
Antonia Charles, MD, Pediatrics
Ann Chen, MD, Gastroenterology
Jing Wang Chiang, MD, Hematology/Oncology
Alexander Chyorny, MD (3 studies), Custody Health Services
Daniela Cohen, MD, Pediatrics
James Crew, MD (3 studies), PM&R
Drew Davis, MD, Plastic Surgery
Marcus Dong, PharmD, Pharmacy
Thao Duong, MD (4 studies), PM&R
Christopher Elliott, MD, PhD, Urology/PM&R
Julie Fuchs, MD, Surgery/Trauma
Adella Garland, MD (2 studies), Surgery/Trauma
Bo Yoon Ha, MD, Radiology
Catherine Harris, MD, Trauma
Steve Harris, MD, Pediatrics
Andrew Ho, MD (2 studies), Gastroenterology
Fred Hopkins, MD (2 studies), OB/GYN
Craig Ivie, RCP, Respiratory Care
Priya Jegatheesan, MD (4 studies), Neonatology
Amul Jobalia, MD, Nephrology
Yvonne Karanas, MD (3 studies), Burn Center
Young Kang, MD, Radiology
John Lau, MD, Radiology
Fa-Chyi Lee, MD, Hematology/Oncology
Olivia Lee, MD, Internal Medicine
Frank Luo, MD, Nephrology
James McCarrick, MD, OB/GYN
Stephen McKenna, MD (5 studies), PM&R
Sonya Misra, MD, MPH (2 studies), Neonatology
Vidya Mony, MD, Pediatric-Infectious Diseases
Thomas Ormiston, MD, Internal Medicine
Sudha Rani Narasimhan, MD, IBCLC, Neonatology
Rupalee Patel, PNP, Neonatology
Benjamin Pence, MD, PM&R
Khanh Pham, PharmD, Pharmacy
Nhat Pham, MD (3 studies), Nephrology
Bridget Philip, MD, Anesthesia
Maria Raven, MD, Homeless Healthcare
Jeffrey Reese, MD, Urology
Eon Rios, MD, PhD, Internal Medicine
Ira Schachar, MD (3 studies), Ophthalmology
Harminder Singh, MD, Neurosurgery/Urology
Anita Sit, MD, MPH (4 studies), OB/GYN
Dongli Song, MD, PhD (2 studies), Neonatology
Ehab Sorial, MD, Surgery
Veronika Sharp, MD, Medicine
Kazuko Shem, MD (11 studies), PM&R
John Sherck, MD (3 studies), Surgery/Trauma
Charles Smith, MD, Cardiology
Jeffrey Sung, MD, Radiology
John Szumowski, MD (2 studies), Infectious Diseases
David Vu, MD, Pediatrics
Clifford Wang, MD, Medicine
John Wehner, MD (2 studies), Respiratory Care
Thomas Wentzien, DO, Cardiology
Susan Zhao, MD (2 studies), Cardiology

Research Administration Highlights for 2018

113 active research projects as of December 2018.

27 new studies were reviewed in 2018 by the SCVMC Institutional Review Board (IRB)

26 studies were given administrative approval in 2018.

Three new research agreements were executed (Cipherome, Inc.: Association Between Risk Scores for Genetic Variants and Percentage of Time in Therapeutic Range for Patients with Atrial Fibrillation or Recurrent Deep Vein Thrombosis Taking Warfarin, Anticoagulation Clinic; Pfizer, Inc.: POLARIS Palbociclib in Hormone Receptor Positive Advanced Breast Cancer: A Prospective Multicenter Non-Interventional Study, Hematology/Oncology); Eastern Cooperative Oncology Group (ECOG), Hematology/Oncology)

One confidentiality agreement was executed with Mitsubishi Tanabe Pharma Corporation

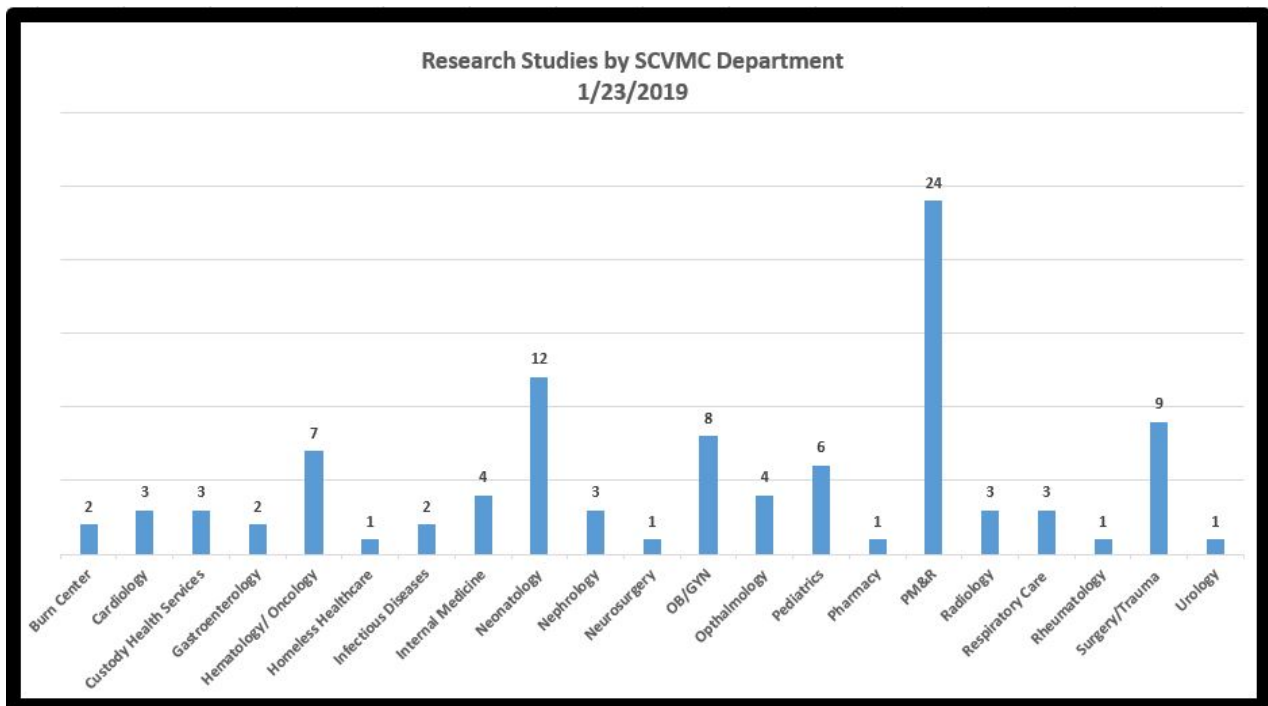
One grant agreement with the Department of Defense Congressionally Directed Medical Research Program was executed through the Santa Clara County Board of Supervisors (Tele-Psychology Intervention for Individuals with Spinal Cord Injury and Depression, PM&R)

Ongoing Research by Department

Below is a graph by department of the number of ongoing and approved research projects.

A full listing with the study name and principal investigator can be located here:

<https://hhsconnect.sccgov.org/sites/vmc/research/Pages/Ongoing%20Research%20Studies.aspx>



PRESENTATIONS IN 2018

Below you will find 2018 poster and podium presentations from research studies conducted at SCVMC.

Cardiology

Validation of a Clinical Risk Score for Predicting Atrial Fibrillation in Cryptogenic Stroke Patients with Insertable Cardiac Monitors: Insights from the CRYSTAL AF Study.

Passman RS, Ziegler PD, Kwong C, Crawford MH, Koehler JL, [Zhao SX](#). International Stroke Conference. Los Angeles, California. January 2018.

Gastroenterology

Mo1351 The Safety and Feasibility of Endoscopic Ultrasound-Guided Parenchymal Liver Biopsy at a Large Community Hospital.

[Rombaoa C](#), [Chen A](#). The Canadian Digestive Disease Week. Toronto, Canada. February 2018.

Mo1351 The Safety and Feasibility of Endoscopic Ultrasound-Guided Parenchymal Liver Biopsy at a Large Community Hospital.

[Rombaoa C](#), [Chen A](#). Gastrointestinal Endoscopy. Digestive Disease Week. Washington, D.C. 2018 June;87(6): Supplement, Page AB458. doi: <https://doi.org/10.1016/j.gie.2018.04.2001>

Risk factors for Hospital Readmission in Patients with Inflammatory Bowel Disease in a Community-Based, Safety-Net Hospital.

Myint T, Nock R, [Ho A](#). Digestive Disease Week. Washington, D.C. June 2018.

Infliximab Induced Lupus: Case Report.

Ji S, [Ho A](#). Northern California American College of Physicians Meeting. Santa Clara, California. November 2018.

The Incidence of Cytomegalovirus in Acute Severe Colitis in Hospitalized Patients with Inflammatory Bowel Disease.

Nock R, Myint T, [Ho A](#). 2018 Advances in Inflammatory Bowel Diseases: Multidisciplinary Approaches to IBD Patient-Centered Care Conference. Orlando, Florida. December 2018.

Hematology/Oncology

Voice of Cancer Patients (VoCP): Analysis of Use and Efficacy of Yoga and Meditation in Cancer Patients.

[Aggarwal S](#), Sharma R, Gupta A, Singh D, Sharma R, Aggarwal A. American Society of Clinical Oncology Annual Meeting. Chicago, Illinois. June 2018.

Voice of Cancer Patients (VoCP): Use and Experience of Acupuncture in Cancer Patients.

[Aggarwal S](#), Sharma R, Gupta A, Singh D, Sharma R, Aggarwal A. American Society of Clinical Oncology Annual Meeting. Chicago, Illinois. June 2018.

Voice of Cancer Patients (VoCP): Analysis of Patient Experiences and Use of Burton’s Tyrosine Kinase (BTK) Inhibitors and Venetoclax in Hematological Malignancies.

[Aggarwal S](#), Sharma R, Aggarwal A. American Society of Hematology Annual Meeting. San Diego, California. November 2018.

Voice of Cancer Patients (VoCP): Patient Perceptions Regarding Use of Marijuana and Its Derivatives in Cancer.

[Aggarwal S](#), Sharma R, Aggarwal A. American Society of Clinical Oncology Palliative and Supportive Care Symposium. San Diego, California. December 2018.

Analysis of Genetic Mutation in Ethnically Diverse Population with Breast and Ovarian Cancer: Single Institution Experience.

[Aggarwal S](#), [Chu C](#), [Ngumi M](#). San Antonio Breast Cancer Symposium. San Antonio, Texas. December 2018.

Voice of Cancer Patients (VoCP): Analysis of Experiences of Cancer Patients Undergoing Breast Cancer Surgery.

[Aggarwal S](#), Sharma R, Bhawmick J, Aggarwal A. San Antonio Breast Cancer Symposium. San Antonio, Texas. December 2018.

Voice of Cancer Patient: Analysis of Breast Cancer Patients’ Experience with PARP Inhibitors.

[Aggarwal S](#), Sharma R, Bhawmick J, Aggarwal A. San Antonio Breast Cancer Symposium. San Antonio, Texas. December 2018.

Medicine

Rapid Transformation, Patient Flow Initiative Presentation.

[Kurani S](#), [Wang C](#), [Eng J](#), [Nevitt A](#), [Van de Pitte J](#), [Martin C](#). National Patient Flow Summit. Las Vegas, Nevada. September 2018.

Mycobacterial Disease & International Health/TB/Refugee

Epidemiology of Geriatric TB and Diagnostic Challenges.

[Polesky A](#). National Tuberculosis Controllers Association. Palm Springs, California. May 2018.

Neurosurgery

Endoscopic Endonasal Odontoidectomy in Pediatric Patients with Complex Cervicomedullary Junction Abnormalities.

Alalade A, Forbes J, Ottenhausen M, [Singh H](#), Anand V, Schwartz T, Greenfield J. North American Skull Base Society Annual Meeting. San Diego, California. February 2018.

Brain Stem Cavernous Malformations: Operative Nuances of a Less Invasive Resection Technique.

[Singh H](#), Elarjani T, Silva H, Shetty R, Kim L, Sekhar L. North American Skull Base Society Annual Meeting. San Diego, California. February 2018.

Management of Traumatic Epistaxis and Penetrating Anterior Skull-Base Trauma.

[Singh H](#). North American Skull Base Society Meeting. San Diego, California. February 2018.

Endoscopic Surgery for Brain Tumors.

[Singh H](#). Neurosurgery Nursing Symposium. Santa Clara Valley Medical Center. San Jose, California. March 2018.

Management of Acute Traumatic Brain Injury and Intracranial Pressure.

[Singh H](#). Neurosurgery Nursing Symposium. Santa Clara Valley Medical Center. San Jose, California. March 2018.

Cervical Vertebral Artery Course Anomalies: A Retrospective Analysis of Anatomical Variance, Prevalence, and Clinical Implications in 1002 Patients.

Dayani F, [Singh H](#). American Association of Neurological Surgeons Annual Scientific Meeting. New Orleans, Louisiana. April 2018. (*First Place Trauma and Critical Care E-poster Award*).

Minimally Invasive Lumbar Pedicle Screw Fixation Using Cortical Bone Trajectory – Screw Accuracy, Complications, and Learning Curve in 100 Screw Placements.

Dayani F, Chen Y, [Singh H](#). American Association of Neurological Surgeons Annual Scientific Meeting. New Orleans, Louisiana. April 2018.

Virtual Creatures at Stanford Medicine - Current and Near Future VR-Based Immersive Learning in Neurosurgery.

[Singh H](#). 11th Annual Center for Immersive and Simulation-Based Learning (CISL) Symposium. Stanford, California. April 2018.

Endoscopic Endonasal Odontoidectomy for Craniocervical Junction Compression.

[Singh H](#). EndoBarcelona – 8th World Congress for Endoscopic Surgery of the Paranasal Sinuses, Skull Base, Brain and Spine. Barcelona, Spain. July 2018.

Combined Endoscopic Endonasal Odontoidectomy and Posterior Decompression and Fusion in Pediatric Patients with Complex Craniocervical Junction Abnormalities.

[Singh H](#). EndoBarcelona – 8th World Congress for Endoscopic Surgery of the Paranasal Sinuses, Skull Base, Brain and Spine. Barcelona, Spain. July 2018.

Neurosurgery E-Consults: Ensuring Optimal Utilization of Limited Subspecialty Resources.

[Singh H](#). Santa Clara Valley Medical Center Primary Care Division Meeting. San Jose, California. August 2018.

Guidelines for Management of Severe Head Injury- An Evidence Based Medicine (EBM) Approach.

[Singh H](#). Santa Clara Valley Medical Center – Physical Medicine & Rehabilitation Grand Rounds. San Jose, California. September 2018.

The Supra-Orbital “Eyebrow” Craniotomy.

[Singh H](#). Medtronic Skull-Base Cadaveric Course. Milpitas, California. November 2018.

The Trans-Basal Approach for Anterior Skull Base Lesions.

Singh H. Medtronic Skull-Base Cadaveric Course. Milpitas, California. November 2018.

Pedicle Screw Fixation Using Cortical Bone Trajectory for Lumbar Degenerative Disease: An Early Experience with Pain and Functional Outcomes.

Singh H. 67th Annual Conference of Neurological Society of India. Jaipur, India. December 2018.

Endoscopic Endonasal Approach to Lesions in the Brainstem – Is it Anatomically Feasible?

Singh H. 67th Annual Conference of Neurological Society of India. Jaipur, India. December 2018.

Brainstem Cavernous Malformations: Operative "Safe Zones" and the Less Invasive Resection Technique.

Singh H. 67th Annual Conference of Neurological Society of India. Jaipur, India. December 2018.

NICU

Addressing the Quadruple Aim: Improving NICU Nurse Satisfaction and Team Effectiveness.

Berritto L, Huang A, Mallik S, Walker M, Koch S, Govindaswami B. California Association of Neonatologists. Coronado, California. March 2018.

Neonatal Outcomes in First and Second Order Preterm Multiples Who Received Delayed Cord Clamping.

Jegatheesan P, Song D, Belogolovsky E, Nudelman M, **Govindaswami B.** California Association of Neonatologists. Coronado, California. March 2018.

Mother Infant Separation, High Illness Acuity Admission and Antibiotic Use in Inborn: A Decade's Experience from a Regional NICU.

Narasimhan SR, Jegatheesan P, Song D, Huang A, McCauley J, **Den W, Menge E,** Cortez M, **Stemmler M,** Nudelman M, **Govindaswami B.** California Association of Neonatologists. Coronado, CA. March 2018.

The BRIDGE Program: 7 Years of Innovative Home Follow-up of High Risk Infants.

Patel R, Nudelman M, **Mallik S, Kofman M, Le M, Cheng S,** Flores C, Vallejo M, **Jegatheesan P, Song D, Govindaswami B.** California Association of Neonatologists. Coronado, California. March 2018.

Individualized Growth and Nutrition with Intensive Team Effort (IGNITE): Improves Growth in Preterm Infants during NICU Stay.

Misra S, Nudelman M, **Song D, Narasimhan SR,** Chin D, **Uriarte S, Den W,** Vallejo M, Patel R, **Jegatheesan P, Govindaswami B.** California Association of Neonatologists. Coronado, California. March 2018.

Maternal Breast Milk Intake in Premature Infants in the Neonatal Intensive Care Unit.

Vallejo M, **Narasimhan SR,** Nudelman M, **Kifle A, Picard L, Misra S, Wu R, Jegatheesan P, Govindaswami B.** California Association of Neonatologists. Coronado, California. March 2018.

Factors Contributing to Breast Milk Feeding Cessation Post NICU Discharge.

Patel R, Nudelman M, **Kofman M, Le M, Cheng S,** Thai C, **Jegatheesan P, Song D, Govindaswami B.** Pediatric Academic Society Conference. Toronto, California. May 2018.

Neonatal Outcomes in First and Second Order Preterm Multiples Who Received Delayed Cord Clamping.

Jegatheesan P, Song D, Belogolovsky E, Nudelman M, **Govindaswami B.** Pediatric Academic Society Conference. Toronto, California. May 2018.

OB/GYN

Oral Misoprostol Versus Combination of Foley Bulb Catheter and Oral Misoprostol for Induction of Labor - A Randomized Controlled Trial.

[Graham K](#). Society for Maternal Fetal Medicine Annual Meeting. Dallas, Texas. January 2018.

Treating Methamphetamine-Using Women Seeking Surgical Abortion, 2012-2014: A Case Series.

Lee A, Lerma K, [Berletti M](#), [Hugin M](#), Shaw KA, [Hopkins FW](#). National Abortion Federation Conference. Seattle, Washington. April 2018.

Short Interpregnancy Interval and Desired Contraception at the Preceding Delivery: A Missed Opportunity to Provide LARC?

[Ho S](#), [Myo M](#). The American College of Obstetricians and Gynecologists District IX Annual Meeting. Kapalua, Hawaii. October 2018.

Fallopian Tube Cannulation to Assist with Laparoscopic and Hysteroscopic Management of an Interstitial Ectopic Pregnancy.

[Lindquist S](#), [Ho S](#), [Besharati M](#), [Main J](#). The American Association of Gynecologic Laparoscopists 47th Global Congress on Minimally Invasive Gynecology. Las Vegas, Nevada. November 2018.

Orthopedics

PAPER 248 Sagittal Plane Remodeling of Pediatric Supracondylar Fractures.

Gamble JG, [Young JL](#), [Krygier JE](#), Fuller EB. American Academy of Orthopaedic Surgeons Annual Meeting. Chicago, Illinois. March 2018.

Pediatric Infectious Diseases

Successful Control of MRSA Outbreak in the NICU using Universal Decolonization/Screening of Healthcare Workers.

[Narasimhan S](#), [Hansford LM](#), Johnson N, [Govindaswami B](#), [Mony V](#). Society for Healthcare Epidemiology of America. Portland, Oregon. April 2018.

PM&R

Early Physiatry Assessment in Acute Traumatic Brain Injury.

[Huie H](#). Dignity Health 2018 Trauma Symposium. Anderson, California. January 2018.

Specialized Rehabilitation Programs for Patients with Severe Brain or Spinal Cord Injury at Santa Clara Valley Medical Center.

[Duong T](#). Stanford University Medical Center. Stanford, California. January 2018.

Disorders of Consciousness.

[Huie H.](#) Brain Injury Association of California MedLegal Conference. San Diego, California. February 2018.

Case Report: Iatrogenic Carotid-Cavernous Fistula in a Stroke Patient.

[Mitsuya Y, Chang T, Huie H.](#) Association of Academic Physiatrists Annual Meeting. Atlanta, Georgia. February 2018.

Stem Cells and Hope of Recovery.

[Chaw E.](#) California Society of Respiratory Care Annual Meeting. Tahoe, Nevada. March 2018.

Prognosis after Traumatic Brain Injury.

[Duong T.](#) Santa Clara Valley Medical Center Neurosurgery Symposium. San Jose, California. March 2018.

Spinal Cord Injury: Trends in Epidemiology and Prognosis.

[Crew J.](#) Santa Clara Valley Medical Center Neurosurgery Symposium. San Jose, California. March 2018.

Expert Panel: Pathways to Field Testing Clinical Guidelines: Case Study on Ventilator Weaning.

[Crew J.](#) American Spinal Injury Association Annual Scientific Meeting. Rochester, Minnesota. May 2018.

Heterotopic Ossification after SCI: Best Practice for Prevention and Management.

[Crew J.](#) American Spinal Injury Association Annual Scientific Meeting. Rochester, Minnesota. May 2018.

Expert Panel: Pathways to Field Testing Clinical Guidelines: Case Study on Ventilator Weaning.

[McKenna S.](#) American Spinal Injury Association Annual Scientific Meeting. Rochester, Minnesota. May 2018.

Correlating Chronic Pelvic and Hip Pressure Injuries and Bilateral Hip Destruction Due to Osteomyelitis: A Case Series.

[Yurkiewicz S, Shem K.](#) American Spinal Injury Association Annual Scientific Meeting. Rochester, Minnesota. May 2018.

Use of NSAIDs to Prevent Heterotopic Ossification after Spinal Cord Injury.

[Zakrasek E, Yurkiewicz S, Dirlikov B, Pence T, Crew J.](#) American Spinal Injury Association Annual Scientific Meeting. Rochester, Minnesota. May 2018.

Correlating Chronic Pelvic and Hip Pressure Injuries and Bilateral Hip Destruction Due to Osteomyelitis: A Case Series.

[Yurkiewicz S, Shem K.](#) Stanford Health Care, Palo Alto, California; Santa Clara Valley Medical Center, San Jose, California. May 2018.

Update on Efforts Towards Evidence-Based Stroke Rehabilitation and Current Applications of Technology Stroke Rehabilitation.

[Wang R.](#) Pacific Stroke Association Regional Stroke Conference. Palo Alto, California. May 2018.

Prognosis and Early Management after SCI.

[Crew J.](#) Stanford Annual Trauma and Critical Care Symposium. San Jose, California. August 2018.

SCiPad: Telemedicine Using iPad's for Individuals with Spinal Cord Injury.

[Khong CM, Shem K.](#) Academy Spinal Cord Injury Professionals Annual Meeting. New Orleans, Louisiana. September 2018.

Acute SCI Management.

[Crew J.](#) Doctors Medical Center Neuro Symposium. Modesto, California. October 2018.

Radiology

Gelfoam Slurry Tract Embolization for Persistent Vascular Bleeding After Stereotactic Breast Biopsy.

[Pajcini M](#), [Sung J.](#) American Roenten Ray Society. Washington, D.C. April 2018.

Radiology Resident Selection and Performance: Radiology Cognitive Skills and Non-Cognitive Skills.

[Youm J](#), Kang YS, Pandit R, Tseng J. American College of Radiology 2018 Annual Meeting. Washington, D.C. May 2018.

Automatic Diagnosis of ACL Tear on X-Ray in Trauma Patients: Achieving "Expert Level" Perception of Subtle Radiology Findings (Segond Fracture) Using a Sparse Data Set.

[Fang C.](#) Radiological Society of North America. Chicago, Illinois. November 2018.

Anatomical Measurements Used to Evaluate Patellofemoral Instability.

[Grissom M.](#) Radiological Society of North America. Chicago, Illinois. November 2018.

SCVMC Lunch and Learn Seminars (<https://hhsconnect.sccgov.org/sites/vmc/medlib>): Medical Library

Improving the Quality of Care for Patients with Inflammatory Bowel Disease (IBD).

[Ho A.](#) Santa Clara Valley Medical Center Lunch and Learn Seminar. San Jose, California. February 2018.

Pharmacogenetics, Warfarin Genetic Variants, and the VMC/Cipherome Warfarin Genetic Variant Study.

[Wang C](#), [Song J.](#) Santa Clara Valley Medical Center Lunch and Learn Seminar. San Jose, California. April 2018.

Striving for Excellence in NICU Safety and Quality.

[Govindaswami B.](#) Santa Clara Valley Medical Center Lunch and Learn Seminar. San Jose, California. December 2018.

Surgery

Impact of Affordable Care Act Implementation on Catastrophic Health Expenditures Among Trauma Patients at a California Safety Net Hospital.

[Liu C](#), Rahman A, [Chao C.](#) American College of Surgeons Clinical Congress, Boston, Massachusetts. October 2018.

Is Mesh Ever Appropriate for Use in Vaginal Pelvic Organ Prolapse Repair? A Population Based Analysis of 110,329 Women.

[Dallas KB](#), [Rogo-Gupta L](#), [Elliott CS](#). The Society for Urodynamics and Female Urology Winter Meeting. Austin, Texas. March 2018. *(Given SUFU resident travel award for top 10 resident project submission)*

Is Prophylactic Stress Incontinence Surgery Necessary at the Time of Pelvic Organ Prolapse Repair? Rates of Future Surgery in a Large Population Based Cohort in California.

[Syan R](#), [Dallas KB](#), [Sohlberg E](#), [Rogo-Gupta](#), [Elliott CS](#), [Enemchukwu E](#). The Society for Urodynamics and Female Urology Winter Meeting. Austin, Texas. March 2018.

Geographic Migration Patterns in California After Native Tissue and Mesh Augmented Repairs.

[Dallas KB](#), [Rogo-Gupta](#), [Elliott CS](#). The Society for Urodynamics and Female Urology Winter Meeting. Austin, Texas. March 2018.

Volitional Voiding of the Bladder After Spinal Cord Injury: Validation of Bilateral Lower Extremity Motor Function as a Key Predictor.

[Elliot CS](#), [Dallas KB](#), [Zlatev D](#), [Comiter C](#), [Crew J](#), [Shem K](#). The Society for Urodynamics and Female Urology Winter Meeting. Austin, Texas. March 2018.

Concomitant Hysterectomy Lowers the Rate of Recurrent Prolapse Surgery for All Compartments in a Cohort of Over 100,000 Women.

[Dallas KB](#). The Society for Urodynamics and Female Urology Winter Meeting. Austin, Texas. March 2018.

Volitional Voiding of the Bladder After Spinal Cord Injury: Validation of Bilateral Lower Extremity Motor Function as a Key Predictor.

[Elliot CS](#), [Dallas KB](#), [Zlatev D](#), [Comiter C](#), [Crew J](#), [Shem K](#). American Urologic Association Annual Meeting. San Francisco, California. May 2018.

Underinsured and Black Patients Experience Delays in Receipt of Stone Surgery.

[Brubaker WD](#). American Urologic Association Annual Meeting. San Francisco, California. May 2018.

Tapping into Geographic Variation in Urinary Stone Disease: What's in the Water?

[Brubaker WD](#), [Dallas KB](#), [Pao A](#), [Elliott CS](#), [Conti S](#), [Leppert JT](#). American Urologic Association Annual Meeting. San Francisco, California. May 2018.

Concomitant Hysterectomy Lowers the Rate of Recurrent Prolapse Surgery for All Compartments in a Cohort of Over 100,000 Women.

[Dallas KB](#). American Urologic Association Annual Meeting. San Francisco, California. May 2018.

Is Mesh Ever Appropriate for Use in Vaginal Pelvic Organ Prolapse Repair? A Population Based Analysis of 110,329 Women.

[Dallas KB](#), [Rogo-Gupta L](#), [Elliott CS](#). American Urologic Association Annual Meeting. San Francisco, California. May 2018.

Is Prophylactic Stress Incontinence Surgery Necessary at the Time of Pelvic Organ Prolapse Repair? Rates of Future Surgery in a Large Population Based Cohort in California.

[Syam R](#), [Dallas KB](#), [Sohlberg E](#), [Rogo-Gupta](#), [Elliott CS](#), Enemchukwu E. American Urologic Association Annual Meeting. San Francisco, California. May 2018.

Geographic Migration Patterns in California After Native Tissue and Mesh Augmented Repairs.

[Dallas KB](#), [Rogo-Gupta](#), [Elliott CS](#). American Urologic Association Annual Meeting. San Francisco, California. May 2018.

Combination Therapies in Overactive Bladder: Untapped Opportunities?

Kasman AM, [Elliott CS](#). Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018.

Do Appreciable Changes in the Motor Capability to Perform Clean Intermittent Catheterization Come About with Time After Traumatic Spinal Cord Injury?

[Elliott CS](#), Zlatev D, [Crew J](#), [Shem K](#). Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018.

Payer Type, Race/Ethnicity, and the Timing of Surgical Management of Urinary Stone Disease.

[Brubaker W](#). Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018. (*Given 1st Place Prize in the Health Policy Essay Contest*)

Prophylactic Midurethral Slings at the Time of Pelvic Organ Prolapse Surgery to Prevent De-Novo Stress Incontinence – A Need to Reappraise?

[Dallas KB](#). Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018. (*Given 2nd Place Prize in the Health Policy Essay Contest*)

Long Term Reoperation Rate is Equivalent for Pelvic Organ Prolapse Repairs with Biologic and Synthetic Grafts in a Large Population Based Cohort.

[Sohlberg EM](#), [Dallas KB](#), [Weeks BT](#), [Elliott CS](#), Rogo-Gupta L. Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018. (*Given 3rd Place Prize in the Joseph F. McCarthy Physician Essay Contest*)

Percutaneous Nephroureteral Tube: A Useful Tool for Management of Intractable Hematuria.

[Spradling K](#), [Elliott CS](#), Vo H, [Reese J](#). Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018. (*Given 1st Place Prize in the Physician Round Table Session*)

Ureteral Injury and Fistula Following Hysterectomy for Benign Indications.

[Dallas KB](#), [Rogo-Gupta L](#), [Elliott CS](#). Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018. (*Given 1st Place Prize for Best Poster in Session*)

Tapping into Geographic Variation in Urinary Stone Disease: What's in the Water?

[Brubaker WD](#), [Dallas KB](#), Pao A, [Elliott CS](#), Conti S, Leppert JT. Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018. (*Given 2nd Place Prize for Best Poster in Session*)

To Stage or Not to Stage? – A Cost Minimization Analysis of Sacral Neuromodulation Placement Strategies.

[Sun AJ](#), [Harris CR](#), Comiter CV, [Elliott CS](#). Western Section of the American Urologic Association Annual Meeting. Wailea, Hawaii. October 2018.

Arteriovenous Fistula and Graft Construction in Patients with Implantable Cardiac Devices: Side Does Not Matter.

[Sgroi MD](#), [McFarland G](#), [Itoga N](#), [Sorral E](#), [Garcia-Toca M](#). Vascular and Endovascular Surgery Society Winter Meeting. Vail, Colorado. February 2018.

Secondary Interventions in Patients with Implantable Cardiac Devices and Ipsilateral Arteriovenous Access.

Dua A, [Sgroi MD](#), [Lavingia K](#), Rothenberg KA, [Mikkineni K](#), [Sorral E](#), [Garcia-Toca M](#). Society for Vascular Surgery Annual Meeting. Boston, Massachusetts. June 2018.

Comparison of Bovine Carotid Xenograft versus ePTFE Grafts for Forearm Loop Hemodialysis Access.

[Colvard B](#), [Lavingia K](#), [Ho VT](#), [Itoga N](#), Dua A, Harris EJ, Mell M, [Sorral E](#), [Garcia-Toca M](#). Western Vascular Society Meeting. Santa Fe, New Mexico. September 2018.

Long-Term Durability of Oakes Salvage Procedure to Preserve Forearm Dialysis Access in Patients with Failed Brescia Fistula.

Dua A, Rothenberg K, [Lavingia K](#), [Ho VT](#), Oakes D, [Sorral E](#), [Garcia-Toca M](#). Western Vascular Society Meeting. Santa Fe, New Mexico. September 2018.

Secondary Interventions in Patients with Implantable Cardiac Devices and Ipsilateral Arteriovenous Access.

Dua A, [Sgroi MD](#), [Lavingia K](#), Rothenberg KA, [Mikkineni K](#), [Sorral E](#), [Garcia-Toca M](#). Eastern Vascular Society Meeting. Washington, D.C. September 2018.

PUBLICATIONS FOR 2018

Recent publications from 2015-2018 can be found on the SCVMC Intranet site:

<https://hhsconnect.sccgov.org/sites/vmc/research/Pages/Research-Publications-List.aspx>

Below you will find 2018 publications from research studies conducted at SCVMC.

Burn Center

The Impact of Skin Allograft on Inpatient Outcomes in the Treatment of Major Burns 20-50% Total Body Surface Area - A Propensity Score Matched Analysis Using the Nationwide Inpatient Sample.

Sheckter CC, Li A, Pridgen B, Trickey AW, **Karanas Y**, Curtin C. Burns. 2018 Dec 4. pii: S0305-4179(18)30688-0. doi: 10.1016/j.burns.2018.08.005.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30527451>

Summary:

The study's aim was to increase knowledge of allograft skin grafting in 20-50% total body surface burns through the assessment of current utilization and inpatient outcomes.

Importance of Research:

Allograft use in major burns was linked to a significant increase in inpatient mortality, more inpatient complications and burn operations, longer lengths of stay, and higher total charges.

Trends and Inpatient Outcomes for Palliative Care Services in Major Burn Patients: A 10-Year Analysis of the Nationwide Inpatient Sample.

Sheckter CC, Hung KS, Rochlin D, Maan Z, **Karanas Y**, Curtin C. Burns. 2018 Dec;44(8):1903-1909. doi: 10.1016/j.burns.2018.07.012.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30115531>

Summary:

This study assessed inpatient utilization and effects of palliative care services in patients with major burns.

Importance of Research:

Increased utilization of palliative care services was found in this population; use of services did not influence survival and may lessen the likelihood of surgical intervention in certain patients.

Full-Thickness Chemical Burn from Trifluoroacetic Acid: A Case Report and Review of the Literature.

Rochlin DH, Rajasingh CM, **Karanas YL**, **Davis DJ**. Annals of Plastic Surgery. 2018 Nov;81(5):528-530. doi: 10.1097/SAP.0000000000001579.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30059387>

Summary:

A case report of the largest reported burn resulting from trifluoroacetic acid (TFA).

Importance of Research:

This study revealed that TFA causes extensive, progressive full-thickness tissue injury even though it initially may appear superficial; staged operative intervention may be a good treatment option.

Overuse of Air Ambulance Services at a Regional Burn Center.

Chattopadhyay A, Sheckter CC, Long C, [Karanas Y](#). Journal of Burn Care & Research. 2018 Jun 13;39(4):598-603. doi: 10.1093/jbcr/irx028.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29901800>

Summary:

This study assessed the overuse of air ambulance services for burn patients transported by helicopter to a single, regional burn center.

Importance of Research:

Air ambulance service was appropriate in most cases; however, costs of air transportation and utility should be considered, as most patients did not benefit from air transport.

Reduced Incidence of Feeding Tube Dislodgement and Missed Feeds in Burn Patients with Nasal Bridle Securement.

Li AY, Rustad KC, Long C, [Rivera E](#), [Mendiola M](#), [Schenone M](#), [Karanas YL](#). Burns. 2018 Aug;44(5):1203-1209. doi: 10.1016/j.burns.2017.05.025.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29728283>

Summary:

This study assessed nasogastric tube feeding dislodgement and missed nutrition delivery in burn patients with nasal bridle securement.

Importance of Research:

Nasal bridle securement was found to offer a reliable method for securing placement of feeding tubes and provided clinical benefits to burn patients.

Cardiology

Clinical Characteristics and Outcome of Methamphetamine-Associated Pulmonary Arterial Hypertension and Dilated Cardiomyopathy.

[Zhao SX](#), [Kwong C](#), [Swaminathan A](#), [Gohil A](#). Crawford MH. Journal of the American College of Cardiology: Heart Failure. 2018 Mar;6(3):209-218. doi: 10.1016/j.jchf.2017.10.006.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29496022>

Summary:

This study characterized patients with methamphetamine-associated pulmonary arterial hypertension (MA-PAH) and cardiomyopathy (MA-CMP) (cases) compared to methamphetamine users with structurally normal hearts to identify risk factors for disease conditions.

Importance of Research:

Cases showed significant disease burden and mortality risk; gender, hypertension, alcoholism, and other unknown factors may influence disease risk.

Cardiac MRI T2* in Liver Transplant Candidates: Application and Performance of a Novel Imaging Technique to Identify Patients at Risk for Poor Posttransplant Cardiac Outcomes.

Lewin SM, Kallianos K, Nevah MI, **Zhao S**, Fix OK, Brooks GC, De Marco T, Qasim AN, Ordovas KG, Mehta N. *Transplant Direct*. 2018 Jun 8;4(7):e363. doi: 10.1097/TXD.0000000000000803.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30046653>

Summary:

The goal was to determine incidence and predictors of iron overload measured by Cardiac Magnetic Resonance Imaging T2* (CMRI-T2*) and to assess the impact of cardiac and iron overload on morbidity and mortality following liver transplantation.

Importance of Research:

Findings suggest that patients with T2 of 15 ms or greater may be appropriate transplant candidates; CMRI-T2* can be a supplemental diagnostic tool to assess transplant candidates at high risk for posttransplant cardiac complications.*

Dermatology

Factors Influencing Patient Decisions Regarding Treatments for Skin Growths: A Cross-Sectional Study.

Li DG, Xia FD, **Rana J**, Young GJ, Alizadeh F, Joyce C, Das S, Mostaghimi A. *Dermatology Research and Practice*. 2018 Jun 19;2018:3941347. doi: 10.1155/2018/3941347.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30018634>

Summary:

This study asked patients to rate the level of importance for various treatment parameters of non-facial skin growth categorized into five distinct domains.

Importance of Research:

Though underlying reasons for variations differed across patients, study findings may help explain differences in treatment selection for skin growths and could lead to better shared decision-making.

Generational Influence on Patient Learning Preferences in Dermatology.

Xia FD, **Rana J**, Young GJ, Das S, Alizadeh F, Joyce C, Mostaghimi A. *Journal of the American Academy of Dermatology*. 2018 Jun;78(6):1221-1223. doi: 10.1016/j.jaad.2017.11.053.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29223578>

Summary:

The study's goal was to identify preferred education modalities and information sources for patients deciding on skin growth treatment options.

Importance of Research:

This study provides insight into patient decision-making and may serve to inform future education efforts relating to decision aids and shared-decision making.

Physician Mothers' Experience of Workplace Discrimination: A Qualitative Analysis.

Halley MC, **Rustagi AS**, Torres JS, Linos E, Plaut V, Mangurian C, Choo E, Linos E. British Medical Journal. 2018 Dec 12;363:k4926. doi: 10.1136/bmj.k4926.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30541926>

Summary:

This study reports female physicians' candid experiences of discrimination in the workplace based on their motherhood status.

Importance of Research:

While certain aspects of maternal discrimination were consistent with those expressed by women in other professions, unique facets of medical training and the medical profession perpetuate maternal discrimination.

Endocrinology/Diabetes

Comparison of Usability, Accuracy, Preference, and Satisfaction Among Three Once-Weekly GLP-1 Receptor Agonist Pen Devices.

Zhou AY, Trujillo JM. Diabetes Spectrum. 2018 Nov;31(4):359-366. doi: 10.2337/ds17-0048.

Abstract Link: <http://spectrum.diabetesjournals.org/content/early/2018/05/28/ds17-0048>

Summary:

This study aimed to evaluate user preference for and accuracy of three once-weekly single-use GLP-1 receptor agonist pen devices among health care professionals (i.e., pharmacist interns).

Importance of Research:

The complex medication administration devices were linked to lower user accuracy, adherence, and participant satisfaction; all factors should be considered when determining the best treatment option for type 2 diabetes.

Gastroenterology

The Past Is Never Past: An Unusual Cause of Melena.

Podboy A, **Shah N**. Gastroenterology. 2018 Oct;155(4):e3-e4. doi: 10.1053/j.gastro.2018.05.042.

Abstract Link: [https://www.gastrojournal.org/article/S0016-5085\(18\)34602-X/abstract](https://www.gastrojournal.org/article/S0016-5085(18)34602-X/abstract)

Summary:

Case report of rare cause of melena due to clear cell renal cell carcinoma in 80-year-old male with previous history of nephrectomy 15 years before presentation of early stage renal cell carcinoma.

Importance of Research:

Clinicians should screen for renal cell carcinoma metastasis in patients presenting with pancreatic lesions and a past history of renal cell carcinoma of any time interval.

Open-and-Shut Case: An Uncommon Cause of GI Bleeding.

Yik B, Podboy A, **Shah N**. Digestive Diseases and Sciences. 2018. doi: 10.1007/s10620-018-5447-z.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30627916>

Summary:

Case presentation of acute onset melena and syncope in a male patient evaluated in the emergency department.

Importance of Research:

This study identified a rare cause of GI bleeding.

Hematology/Oncology

Clinicopathologic Features of a Series of Primary Renal CIC-Rearranged Sarcomas with Comprehensive Molecular Analysis.

Mangray S, Kelly DR, LeGuellec S, Fridman E, [Aggarwal S](#), Shago M, Matoso A, Madison R, [Pramanik S](#), Zhong S, Li R, Lombardo KA, Cramer S, Pressey J, Ross JS, Corona RJ, Bratslavsky G, Argani P, Coindre JM, Somers GR, Ali SM, Yakirevich E. American Journal of Surgical Pathology. 2018 Oct;42(10):1360-1369. doi: 10.1097/PAS.0000000000001098.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29901569>

Summary:

This study describes the clinicopathologic characteristics and comprehensive molecular profiling of four female patients with primary renal CIC-rearranged sarcomas.

Importance of Research:

Fluorescence in situ hybridization or CGP testing is the ideal method for ensuring that cases which harbor variant fusion partners are not missed.

Phase II Trial Using a Combination of Oxaliplatin, Capecitabine, and Celecoxib with Concurrent Radiation for Newly Diagnosed Resectable Rectal Cancer.

Araujo-Mino EP, Patt YZ, Murray-Krezan C, Hanson JA, Bansal P, Liem BJ, Rajput A, Fekrazad MH, Heywood G, [Lee FC](#). Oncologist. 2018 Jan;23(1):2-e5. doi: 10.1634/theoncologist.2017-0474.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29158365>

Summary:

This clinical trial combined chemoradiation and cyclooxygenase-2 (COX-2) to assess pathologic complete response (pCR) rate, surgical outcome, survival and toxicity of treatment for newly diagnosed resectable rectal cancer.

Importance of Research:

Rectal cancer treated by chemoradiation and celecoxib was found to be well tolerated and provided high pCR, surgical downstaging, and sphincter-sparing surgery rates.

Internal Medicine

A Double-Blind, Randomized, Placebo-Controlled Trial of 17: A Systematic Review and Meta-Analysis of Trials and Observational Studies.

[Alipanah N](#), Jarlsberg L, Miller C, Linh NN, Falzon D, Jaramillo E, Nahid P. Public Library of Science Medicine. 2018 Jul 3;15(7):e1002595. doi: 10.1371/journal.pmed.1002595.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29969463>

Summary:

This meta-analysis reviewed various adherence interventions in order to verify the most efficacious approaches that result in improved treatment outcome for tuberculosis (TB).

Importance of Research:

The use of adherence interventions, as well as trained providers and community-focused interventions, were identified as the most efficacious for enhanced adherence and improved TB treatment outcomes.

Perspectives on Integrated HIV and Hepatitis C Virus Testing Among Persons Entering a Northern California Jail: A Pilot Study.

Ly W, Cocohoba J, **Chyorny A**, Halpern J, Auerswald C, Myers J. Journal of Acquired Immune Deficiency Syndromes. 2018 Jun 1;78(2):214-220. doi: 10.1097/QAI.0000000000001664.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29474267>

Summary:

This study explored viewpoints of integrated HIV and hepatitis C virus testing in a northern California jail setting.

Importance of Research:

Study results show that how the testing is offered matters to individuals and may influence their decision to test.

Temporal Trends Associated with the Rise in Alcoholic Liver Disease-related Liver Transplantation in the United States.

Cholankeril G, Gadiparthi C, **Yoo ER**, Dennis BB, Li AA, Hu M, Wong K, Kim D, Ahmed A. Transplantation. 2019 Jan;103(1):131-139. doi: 10.1097/TP.0000000000002471.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30300285>

Summary:

This study analyzed temporal trends of adult liver transplant waitlist (WL) registrants and recipients in the United Network for Organ Sharing registry presenting with chronic liver disease (CLD) resulting from alcoholic liver disease (ALD).

Importance of Research:

WL registrations and liver transplantation for ALD-related conditions have escalated over the last decade with a disproportionate increase noted among young and middle-aged adults.

Medicine

Pneumonitis in Combined Anti-Programmed Death-1 Immunotherapy and Radiation Therapy for Renal Cell Carcinoma.

Yu NY, Deftos M, Wang C. Cureus. 2018 Dec;10(12):e3748. doi:10.7759/cureus.3748.

Abstract Link: https://www.researchgate.net/publication/329781535_Pneumonitis_in_Combined_Anti-programmed_Death-1_Immunotherapy_and_Radiation_Therapy_for_Renal_Cell_Carcinoma

Summary:

Case report of therapy-induced pneumonitis in the context of combined nivolumab, anti-PD 1 immunotherapy, and radiation therapy for metastatic renal cell carcinoma.

Importance of Research:

Anti-PD 1 is an emerging immunotherapy for the treatment of cancer that holds promising outcomes.

Who We Are and What We Can Become: The Anthropology of IR and Challenges of Forming a New Specialty.

Keller EJ, Vogelzang RL. Journal of Vascular and Interventional Radiology. 2018 Dec;29(12):1703-1704.e2. doi: 10.1016/j.jvir.2018.07.021.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30502878>

Summary:

This study provides commentary to characterize the unique values and mindsets that distinguish intervention radiology (IR) from other specialties.

Importance of Research:

This study identified a novel opportunity for intervention radiologists to market themselves as both providers of minimally invasive procedures as well as expert generalists.

Low-Normal Thyroid Function Is Associated with Advanced Fibrosis Among Adults in the United States.

Kim D, [Yoo ER](#), Li AA, Fernandes CT, Tighe SP, Cholankeril G, Hameed B, Ahmed A. Clinical Gastroenterology and Hepatology. 2018 Nov 17. pii: S1542-3565(18)31267-9. doi: 10.1016/j.cgh.2018.11.024.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30458247>

Summary:

This study evaluated the association of low-normal thyroid function and subclinical hypothyroidism with advanced fibrosis.

Importance of Research:

Results revealed a strong association between biopsy-verified advanced fibrosis in nonalcoholic fatty liver disease with increased thyroid-stimulating hormone levels in a dose-dependent manner.

Improved Liver Transplant Waitlist Mortality and Lower Risk of Disease Progression Among Chronic Hepatitis C Patients Awaiting Liver Transplantation After the Introduction of Direct-Acting Antiviral Therapies in the United States.

[Young K](#), Liu B, Bhuket T, Gish RG, Wong RJ. Journal of Viral Hepatitis. 2018 Nov 9. doi: 10.1111/jvh.13039.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30412318>

Summary:

The goal of the study was to assess the impact of direct-acting antiviral (DAA) therapies on liver transplant (LT) waitlists within the U.S.

Importance of Research:

Results revealed that since DAAs were first introduced for chronic hepatitis C virus (HCV) treatment, the number of HCV patients on the LT waitlists has decreased and LT waitlist mortality has improved.

Patterns of Cardiometabolic Health as Midlife Women Transition to Menopause: A Prospective Multi-Ethnic Study.

Ward E, Gold EB, Johnson WO, Ding F, Chang PY, [Song P](#), El Khoudary S, Karvonen-Gutierrez C, Ylitalo KR, [Lee JS](#). Journal of Clinical Endocrinology & Metabolism. 2018 Oct 25. doi: 10.1210/jc.2018-00941.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30365014>

Summary:

This longitudinal study sought to characterize and identify factors associated with cardiometabolic risk among multi-ethnic, midlife women transitioning to menopause.

Importance of Research:

The study found modifiable lifestyle behaviors to be linked to metabolic syndrome (MetS) recovery and decreased risk of the most frequent factors of MetS in this population.

Reducing Telemetry Use Is Safe: A Retrospective Analysis of Rapid Response Team and Code Events After a Successful Intervention to Reduce Telemetry Use.

Xie L, Garg T, Svec D, Hom J, Kaimal R, Ahuja N, [Barnes J](#), Shieh L. American Journal of Medical Quality. 2018 Oct 6:1062860618805189. doi: 10.1177/1062860618805189.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30293436>

Summary:

This study utilized an intervention involving educational modules, routine review and financial incentives to decrease telemetry use on a hospitalist service in 2013.

Importance of Research:

Hospitalist service adverse event incidence was not statistically different during or after the intervention period as compared with the preintervention period; a reduction in inappropriate telemetry use was not linked to an increased incidence rate of rapid response team and code events.

Anti-Diabetic Medications for the Pharmacologic Management of NAFLD.

Cholankeril R, Patel V, Perumpail BJ, **Yoo ER**, Iqbal U, Sallam S, Shah ND, Kwong W, Kim D, Ahmed A. Diseases. 2018 Oct 3;6(4). pii: E93. doi: 10.3390/diseases6040093.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30282916>

Summary:

This review evaluated research supporting the efficacy of using anti-diabetic medications to treat nonalcoholic fatty liver disease.

Importance of Research:

Many anti-diabetic agents improve biochemical parameters but have limited effects on hepatic histology, of which only thiazolidinediones and glucagon-like peptide-1 receptor agonists provide significant improvements.

When to Initiate Weight Loss Medications in the NAFLD Population.

Yoo ER, Sallam S, Perumpail BJ, Iqbal U, Shah ND, Kwong W, Cholankeril G, Kim D, Ahmed A. Diseases.

2018 Sep 30;6(4). pii: E91. doi: 10.3390/diseases6040091.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30274326>

Summary:

This study highlighted when initiation of weight loss medications for patients with nonalcoholic fatty liver disease (NAFLD) are indicated.

Importance of Research:

Clinicians should consider weight loss medications in overweight and obese patients with NAFLD to compliment other therapeutic options and preventive lifestyle changes, in cases where a healthy diet, physical activity, and 5-10% weight loss goals have not been successful.

Calcinosis in Scleroderma.

Valenzuela A, **Song P**, Chung L. Current Opinion in Rheumatology. 2018 Nov;30(6):554-561. doi: 10.1097/BOR.0000000000000539.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30124603>

Summary:

The review's aim was to provide an update of the literature on epidemiology, pathophysiology, diagnosis and treatment of calcinosis cutis in individuals with systemic sclerosis (SSc).

Importance of Research:

Calcinosis represents a major clinical problem in SSc patients; pharmacologic therapy remains the primary treatment.

Early Liver Transplantation is a Viable Treatment Option in Severe Acute Alcoholic Hepatitis.

Puri P, Cholankeril G, **Myint TY**, Goel A, Sarin SK, Harper AM, Ahmed A. Alcohol and Alcoholism. 2018 Nov 1;53(6):716-718. doi: 10.1093/alcalc/agy056.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30099535>

Summary:

This study uses the United Network for Organ Sharing database to assess early liver transplantation in severe acute alcoholic hepatitis (SAH).

Importance of Research:

Liver transplantation for SAH has steadily increased in the U.S. and is comparable to both 1- and 3-year post-transplant survival, as well as 30-day waitlist mortality in acute liver failure resulting from drug-induced liver injury.

Metachronous Hepatic Angiosarcoma Presenting as a Mimic of Recurrent Hepatocellular Carcinoma.

Lau EKC, Tsai B, Morrison H, Deftos M, Lin AY. Journal of Gastrointestinal Cancer. 2018 Apr 6. doi: 10.1007/s12029-018-0094-3

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29623568>

Summary:

This case report elucidates how primary hepatic angiosarcoma (PHA) can mimic recurrent hepatocellular carcinoma (HCC) in its presentation in patients with a past known history of HCC.

Importance of Research:

Clinicians should actively screen for PHA, a deadly disease with a poor survival rate, in patients with a past medical history of HCC.

Waitlist Outcomes in Liver Transplant Candidates with High MELD and Severe Hepatic Encephalopathy.

Gadiparthi C, Cholankeril G, Yoo ER, Hu M, Wong RJ, Ahmed A. Digestive Diseases and Sciences. 2018 Jun;63(6):1647-1653. doi: 10.1007/s10620-018-5032-5.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29611079>

Summary:

The study's objective was to assess the impact of severe hepatic encephalopathy (HE) (grade 3-4) in patients awaiting liver transplantation with Model for End-Stage Liver Disease (MELD) \geq 30.

Importance of Research:

Patients with severe HE and MELD score of 30-34 should obtain priority status for liver allocation with the exception of patients with a MELD \geq 35.

Invasive Pulmonary Aspergillosis and Influenza Co-Infection in Immunocompetent Hosts: Case Reports and Review of the Literature.

Shah MM, Hsiao EI, Kirsch CM, Gohil A, Narasimhan S, Stevens DA. Diagnostic Microbiology and Infectious Disease. 2018 Jun;91(2):147-152. doi: 10.1016/j.diagmicrobio.2018.01.014.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29454654>

Summary:

This article reports two fatal cases of invasive pulmonary aspergillosis (IPA) in patients admitted to the intensive care unit.

Importance of Research:

Respiratory cultures positive for Aspergillus species in critically ill patients, specifically those with co-morbid influenza infection, should not be disregarded as colonizers or contaminants.

Use of Direct-Acting Antiviral Agents in Hepatitis C Virus-Infected Liver Transplant Candidates.

Gadiparthi C, Cholankeril G, Perumpail BJ, Yoo ER, Satapathy SK, Nair S, Ahmed A. World Journal of Gastroenterology. 2018 Jan 21;24(3):315-322. doi: 10.3748/wjg.v24.i3.315.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29391754>

Summary:

This study explores the approach to and ideal timing of direct-acting antiviral (DAA) agent use for treatment of hepatitis C virus (HCV)-infected liver transplant (LT) candidates within the peri-transplant period.

Importance of Research:

LT candidates with mild to moderate impairment may benefit from HCV treatment prior to LT; post-transplant DAA treatment may be used in patients for whom LT is unavoidable.

Nephrology

Physical Activity Promotion for Patients Transitioning to Dialysis Using the "Exercise is Medicine" Framework: A Multi-Center Randomized Pragmatic Trial (EIM-CKD trial) Protocol.

Jagannathan R, Ziolkowski SL, Weber MB, Cobb J, **Pham N**, Long J, Anand S, Lobelo F. BioMed Central Nephrology. 2018 Sep 12;19(1):230. doi: 10.1186/s12882-018-1032-0.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30208854>

Summary:

This clinical trial sought to determine the efficacy of the existing "Exercise is Medicine" intervention for patients transitioning to dialysis.

Importance of Research:

The goal is to develop a practical, cost-effective physical activity intervention to tackle challenges and barriers to exercise often experienced by those with advanced chronic kidney disease.

Expanding CAPD in Low-Resource Settings: A Distance Learning Approach.

Rope R, Nanayakkara N, Wazil A, Dickowita S, Abeyesekera R, Gunerathne L, Adoosoriya D, Karunasena N, Rathnayake C, Anand S, **Saxena A**. Peritoneal Dialysis International. 2018 Sep-Oct;38(5):343-348. doi: 10.3747/pdi.2017.00251.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29793981>

Summary:

This article details the creation of an educational curriculum and quality improvement program to aid non-nephrology providers in Sri Lanka in delivering continuous peritoneal dialysis (CAPD).

Importance of Research:

The project was successful in expanding the CAPD program in a low-resource setting and in bettering peritonitis outcomes.

Neurology

The California Cap-and-Trade Program: A Model Policy for Promoting Environmental Justice Using Accountability for Reasonableness.

Moghavem N. American Journal of Bioethics. 2018 Mar;18(3):57-59. doi: 10.1080/15265161.2017.1418935.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29466130>

Summary:

This article describes how California used accountability for reasonableness to develop the Cap-and-Trade program, and examines the program in light of libertarianism, utilitarianism, and justice as fairness theories.

Importance of Research:

The California Cap-and-Trade Program was found to be a model policy for environmental justice promotion utilizing accountability for reasonableness.

Neurosurgery

Minimally Invasive Lumbar Pedicle Screw Fixation Using Cortical Bone Trajectory: Functional Outcomes.

Chen Y, Deb S, Jabarkheel R, Pham L, **Patel M, Singh H**. Cureus. 2018 Oct;10(10):e3462.

doi:10.7759/cureus.3462

Abstract Link: <https://www.cureus.com/articles/13581-minimally-invasive-lumbar-pedicle-screw-fixation-using-cortical-bone-trajectory-functional-outcomes>

Summary:

The study examined functional outcomes and fusion rates in patients with pedicle screw fixation via cortical trajectory.

Importance of Research:

This study was the first to show significant functional improvements in degenerative joint disease among patients with spinal instability following cortical screw fixation, regardless of accompanying posterior lumbar interbody fixation.

Posterior Cervical Spine Crisscross Fixation: Biomechanical Evaluation.

Cusick JF, Pintar FA, Cheng JS, **Lifshutz JI**, Yoganandan N. Clinical Biomechanics (Bristol, Avon). 2018 Jun;55:18-22. doi: 10.1016/j.clinbiomech.2018.04.001.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29635141>

Summary:

This study compared biomechanical performance of a new method for facet fixation to the traditional lateral mass plate/screw fixation method.

Importance of Research:

Crisscross wire fixation via facet fixation appears to be a valuable addition to the surgical resources in cases of extensive posterior cervical single-stage decompression-fixation.

Nursing Administration

Burn Nurse Competencies: Developing Consensus Using E-Delphi Methodology.

Carrougher GJ, Hollowed KA, **Sproul JL**, Wiggins BJ, Mann-Salinas E. Journal of Burn Care & Research. 2018 Aug 17;39(5):751-759. doi: 10.1093/jbcr/irx036.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29931347>

Summary:

This article explored the consensus-development process using the E-Delphi Methodology that was applied to develop a final list of competencies for burn nurses.

Importance of Research:

These newly determined competencies will be used to define professional practice standards for burn nurses, which is an essential and required step for burn nursing to be recognized as a specialty.

Impact of a Case Management Programme for Women Seeking Later Second-Trimester Abortion: The Case of the Massachusetts Access Program.

Ho S, Janiak E. British Medical Journal Sexual & Reproductive Health. 2018 Jul 14. pii: bmjsrh-2018-200095. doi: 10.1136/bmjsrh-2018-200095.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30007910>

Summary:

This study explores the scope of the Massachusetts Access Program, a case management program addressing barriers to abortion during the later second trimester, and reports provider experiences with and acceptability of the program.

Importance of Research:

This program served as a valuable resource to patients and providers, and was an acceptable, effective and potentially replicable program to lessen barriers to later second-trimester abortions.

A Double-Blind, Randomized, Placebo-Controlled Trial of 17 Alpha-Hydroxyprogesterone Caproate in the Management of Preterm Premature Rupture of Membranes.

Langen ES, Sit A, Sherwin K, Lyell DJ, Blumenfeld YJ, El-Sayed YY. American Journal of Perinatology. 2018 Jul;35(8):779-784. doi: 10.1055/s-0037-1617428.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29298456>

Summary:

The study's aim was to assess if weekly administration of 17 α -hydroxyprogesterone caproate (17-OHPC) results in a higher number of women who reach 34 weeks gestation following preterm premature rupture of membranes (PPROM).

Importance of Research:

No benefit was found in administering 17-OHPC during pregnancies complicated by PPRM.

Ophthalmology

Retinal Lesion Detection with Deep Learning Using Image Patches.

Lam C, Yu C, Huang L, Rubin D. Investigative Ophthalmology & Visual Science. 2018 Jan 1;59(1):590-596. doi: 10.1167/iovs.17-22721.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29372258>

Summary:

The study's aim was to create an automated method for localizing and detecting various findings from retinal images to move towards generalizing these methods to detect rare diseases of which limited training resources are available.

Importance of Research:

Regionally trained convolutional neural networks were found to detect and differentiate subtle pathologic lesions that have limited training examples per lesion.

Pediatrics

Analysis of Pediatric Gunshot Wounds in Houston, Texas: A Social Perspective.

Brewer JW Jr, Cox CS, Fletcher SA, Shah MN, **Sandberg M**, Sandberg DI. Journal of Pediatric Surgery. 2018 Nov 7. pii: S0022-3468(18)30720-6. doi: 10.1016/j.jpedsurg.2018.10.061.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30502006>

Summary:

The study's aim was to assess the role of social factors associated with pediatric gunshot wounds.

Importance of Research:

The study identified that many of these injuries could have been prevented by safe firearm storage, greater community education efforts, and various other safety measures.

Prevention of Prematurity: Advances and Opportunities.

Govindaswami B, Jegatheesan P, Nudelman M, Narasimhan SR. Clinics in Perinatology. 2018 Sep;45(3):579-595. doi: 10.1016/j.clp.2018.05.013.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30144857>

Summary:

This study reviews insights into causal mechanisms and measures to prevent preterm birth.

Importance of Research:

Future preventative approaches should focus on lifestyle, nutrition, sociodemography and underlying individual genetic and epigenetic variation built upon statistical approaches using "big-data" models.

Febrile Infant Hospitalizations: When Is the Right Time to Discharge?

Harris SJ. Hospital Pediatrics. 2018 Jul;8(7):438-440. doi: 10.1542/hpeds.2018-0074.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29954838>

Summary:

This article explored the optimal time to discharge young febrile infants.

Importance of Research:

Factors to consider for the ideal time to discharge febrile infants include practical issues as well as level of risk per provider's clinical judgement and medical risk determination.

PM&R

Telemedicine Using an iPad in the Spinal Cord Injury Population: A Utility and Patient Satisfaction Study.

Sechrist S, Lavoie S, Khong C-M, Dirlikov B, Shem K. Spinal Cord Series and Cases. 2018 Aug; 4:71. doi: 10.1038/s41394-018-0105-4.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30131874>

Summary:

This study assessed participant experience, satisfaction and utility of telemedicine visits via iPad FaceTime among patients with spinal cord injury.

Importance of Research:

This study revealed feasibility and acceptance of telemedicine among individuals with spinal cord injury.

Volitional Voiding of the Bladder following Spinal Cord Injury: Validation of Bilateral Lower Extremity Motor Function as a Key Predictor.

Elliott CS, Dallas KB, Zlatev D, Comiter CV, **Crew J**, **Shem K**. Journal of Urology. 2018 Jul;200(1):154-160. doi: 10.1016/j.juro.2018.02.064.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29458066>

Summary:

This study aimed to further validate the European Multicenter Study about Spinal Cord Injury (EMSCI) model among a national cohort of individuals with spinal cord injury.

Importance of Research:

This study served to validate the EMSCI predictive model of volitional voiding following spinal cord injury.

Adverse Cognitive Effect of Gabapentin in Individuals with Spinal Cord Injury: Preliminary Findings.

Shem K, **Barncord S**, Flavin K, Mohan M. Spinal Cord Series and Cases. 2018 Jan 23;4:9. doi:10.1038/s41394-018-0038-y.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29423314>

Summary:

This study evaluated the effects of gabapentin on multiple neuropsychological variables such as attention, memory, and executive functioning among individuals with spinal cord injury.

Importance of Research:

Gabapentin therapy was linked to a decline in memory, executive function and attention in individuals with spinal cord injury.

Venous Thromboembolism is Associated with Lack of Vitamin D Supplementation in Patients with Spinal Cord Injury and Low Vitamin D Levels.

Ehsanian R, Timmerman MA, **Wright JM**, **McKenna S**, **Dirlikov B**, **Crew J**. Physical Medicine & Rehabilitation. 2018 Oct 6. pii: S1934-1482(18)30979-1. doi: 10.1016/j.pmrj.2018.09.038.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30300766>

Summary:

This study assessed the relationship between Vitamin D (VitD) supplementation among individuals with spinal cord injury (SCI) and low VitD with the occurrence of venous thromboembolism (VTE).

Importance of Research:

A significant association was found between lack of VitD supplementation and VTE occurrence among individuals with SCI and low VitD levels.

Use of Nonsteroidal Anti-Inflammatory Drugs to Prevent Heterotopic Ossification after Spinal Cord Injury: A Retrospective Chart Review.

Zakrasek EC, Yurkiewicz SM, **Dirlikov B**, **Pence BT**, **Crew JD**. Spinal Cord. 2018 Sep 25. doi: 10.1038/s41393-018-0199-3.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30254206>

Summary:

This study's objective was to assess the efficacy of nonsteroidal anti-inflammatory drug (NSAID) prophylaxis to treat heterotopic ossification (HO) in acute spinal cord injury (SCI).

Importance of Research:

NSAID prophylaxis was shown to help prevent HO development in acute SCI.

Cavernous Malformations are Rare Sequelae of Stereotactic Radiosurgery for Brain Metastases.

Seiger K, Pendharkar AV, Samghabadi P, Chang SD, **Cho N, Choi CYH**, Wang C, Gephart MH, Soltys SG. Acta Neurochirurgica (Wien). 2018 Oct 17. doi: 10.1007/s00701-018-3701-y

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30328524>

Summary:

Case report of two patients with cavernous malformation years after stereotactic radiosurgery (SRS) for brain metastases.

Importance of Research:

Findings revealed that differential diagnosis of an expanding enhancing lesion with previous SRS encompasses both cerebral necrosis and tumor progression in addition to cavernous malformation induction.

The Pregnant Female Surgical Resident.

Shifflette V, Hambright S, Amos JD, Dunn E, **Allo M**. Advances in Medical Education and Practice. 2018 May 14;9:365-369. doi: 10.2147/AMEP.S140738.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29785149>

Summary:

This study surveyed general surgery programs in the southwestern region of the U.S. to assess pregnant female surgical resident's experiences.

Importance of Research:

Surveyed programs were found to be accommodating to pregnant residents, however, pregnant residents reported an educational and performance decline.

Minimally Invasive Plate Osteosynthesis for Treatment of Ankle Fractures in High-Risk Patients.

Bazarov I, Kim J, Richey JM, Dickinson JD, Hamilton GA. Journal of Foot and Ankle Surgery. 2018 May - Jun;57(3):494-500. doi: 10.1053/j.jfas.2017.11.004.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29398510>

Summary:

This retrospective chart review assessed minimally invasive plate osteosynthesis (MIPO) as a potentially safer alternative to open reduction with internal fixation (ORIF) for unstable ankle fractures.

Importance of Research:

Findings indicate that MIPO in high-risk patients is a safe option with consistent outcomes comparable to traditional open techniques.

Real-Time Evaluation of an Image Analysis System for Monitoring Surgical Hemoglobin Loss.

Konig G, Waters JH, Javidroozi M, **Philip B, Ting V, Abbi G**, Hsieh E, Tully G, **Adams G**. Journal of Clinical Monitoring and Computing. 2018 Apr;32(2):303-310. doi: 10.1007/s10877-017-0016-0.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/28389913>

Summary:

This study evaluates the Triton device that utilizes an image analysis system to estimate hemoglobin (Hb) mass on surgical sponges.

Importance of Research:

The Triton system was an accurate, feasible method to measure Hb loss during surgery.

In Vitro Evaluation of a Novel Image Processing Device to Estimate Surgical Blood Loss in Suction Canisters.

Konig G, Waters JH, Hsieh E, Philip B, Ting V, **Abbi G**, Javidroozi M, Tully GW, **Adams G**. Anesthesia & Analgesia. 2018 Feb;126(2):621-628. doi: 10.1213/ANE.0000000000002692.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29239963>

Summary:

This study reports the performance of the complementary FDA-cleared image processing device, Triton Canister System, to measure surgical blood loss contained in suction canisters.

Importance of Research:

This device reliably measured hemoglobin mass attaining clinically acceptable accuracy in blood samples.

Urology

Care Seeking Patterns for Women Requiring a Repeat Pelvic Organ Prolapse Surgery Due to Native Tissue Repair Failure Compared to a Mesh Complication.

Dallas KB, Trimble R, Rogo-Gupta L, **Elliott CS**. Urology. 2018 Dec;122:70-75. doi:

10.1016/j.urology.2018.08.017.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30170088>

Summary:

The study's aim was to explore care seeking patterns in women that require repeat surgery following pelvic organ prolapse (POP) repair.

Importance of Research:

Despite the indication for repeat surgery after POP repair, women were found to have similar patterns of seeking care at a new facility.

Crowdsourced Assessment of Ureteroscopy with Laser Lithotripsy Video Feed Does Not Correlate with Trainee Experience.

Conti SL, Brubaker W, Chung BI, Sofer M, Hsi RS, Shinghal R, **Elliott CS**, Caruso T, Leppert JT. Journal of Endourology. 2018 Dec 22. doi: 10.1089/end.2018.0534.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30450963>

Summary:

The aim of the study was to validate the use of crowdsourced surgical video assessment for evaluating urology resident's performance of flexible ureteroscopic laser lithotripsy.

Importance of Research:

Study results revealed that intraoperative video feed of ureteroscopy with laser lithotripsy does not appear to be a reliable method for assessment of resident trainee skills.

Payer Type, Race/Ethnicity, and the Timing of Surgical Management of Urinary Stone Disease.

Brubaker WD, Dallas KB, **Elliott CS**, Pao AC, Chertow GM, Leppert JT, Conti SL. Journal of Endourology. 2018 Nov 16. doi: 10.1089/end.2018.0614.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30343603>

Summary:

The study sought to determine if payer type and/or race/ethnicity is linked to timeliness of kidney stone surgery.

Importance of Research:

Findings revealed that underinsured, minority patients were more likely to have a longer wait period before kidney stone surgery after presenting to an ED and a greater risk of experiencing potential harm due to the delay.

An American Association for the Surgery of Trauma (AAST) Prospective Multi-Center Research Protocol: Outcomes of Urethral Realignment Versus Suprapubic Cystostomy After Pelvic Fracture Urethral Injury.

Moses RA, Selph JP, Voelzke BB, Piotrowski J, Eswara JR, Erickson BA, Gupta S, Dmochowski RR, Johnsen NV, Shridharani A, Blaschko SD, Elliott SP, Schwartz I, **Harris CR**, Borawski K, Figler BD, Osterberg EC 3rd, Burks FN, Bihle W 3rd, Miller B, Santucci RA, Breyer BN, Flynn B, Higuchi T, Kim FJ, Broghammer JA, Presson AP, Myers JB; from the Trauma and Urologic Reconstruction Network of Surgeons (TURNS). *Translational Andrology and Urology*. 2018 Aug;7(4):512-520. doi: 10.21037/tau.2017.11.07.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30211041>

Summary:

This study provided methodology for a prospective cohort study to evaluate primary urethral realignment and suprapubic cystostomy tube outcomes following pelvic fracture urethral injuries (PFUI).

Importance of Research:

The proposed study will help determine the utility of acute urethral realignment post-PFUI.

The Cost of a Catheter: An Environmental Perspective on Single Use Clean Intermittent Catheterization.

Sun AJ, Comiter CV, **Elliott CS**. *Neurourology and Urodynamics*. 2018 Sep;37(7):2204-2208. doi: 10.1002/nau.23562.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30106190>

Summary:

The goal was to estimate the prevalence of clean intermittent catheterization (CIC) use, as well as to determine the amount of waste per catheter in the U.S. among a neurogenic population.

Importance of Research:

Single-use CIC generates significant waste; given the lack of evidence for its clinical benefit, environmentally-friendly alternatives should be considered.

Priapism Caused by "Rhino 7 Platinum 3000" an Over-the-Counter Male Enhancement Supplement.

Mittakanti HR, **Elliott CS**. *International Journal of Impotence Research*. 2018 Aug;30(4):190-191. doi: 10.1038/s41443-018-0033-7.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29915255>

Summary:

This case study describes a male patient's presentation of 48-hour priapism after he took the Rhino 7 Platinum 3000 over-the-counter male enhancement supplement.

Importance of Research:

Multiple investigations of Rhino products have revealed a non-labeled ingredient, sildenafil. Due to the lack of FDA oversight of dietary supplements, patients should be cautious in that the ingredient list may not be all-inclusive and that serious side effects may occur.

Unplanned Emergency Department Visits and Hospital Admissions Following Ureteroscopy: Do Ureteral Stents Make a Difference?

Mittakanti HR, Conti SL, Pao AC, Chertow GM, Liao JC, Leppert JT, **Elliott CS**. *Urology*. 2018 Jul;117:44-49. doi: 10.1016/j.urology.2018.03.019.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29601836>

Summary:

The aim was to assess unplanned medical visits of patients who underwent ureteroscopy, with and without ureteral stent placement, during the early postoperative period.

Importance of Research:

Receiving ureteral stent placement during ureteroscopy was not linked to a higher likelihood of emergency department visits or inpatient admission during the early postoperative period.

What Impacts the All Cause Risk of Reoperation after Pelvic Organ Prolapse Repair? A Comparison of Mesh and Native Tissue Approaches in 110,329 Women.

Dallas KB, Rogo-Gupta L, **Elliott CS**. Journal of Urology. 2018 Aug;200(2):389-396. doi: 10.1016/j.juro.2018.02.3093.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29510170>

Summary:

This study explored the effect of specific factors of mesh augmented pelvic organ prolapse repair on patient outcomes and identified an ideal strategy.

Importance of Research:

Findings suggest that mesh is not independently associated with increased complications from pelvic organ prolapse repair and it could be a beneficial strategy.

Preclinical Testing of a Combination Stone Basket and Ureteral Balloon to Extract Ureteral Stones.

Massoudi R, Metzner TJ, Bonneau B, **Ngo TC**, Shinghal R, Leppert JT. Journal of Endourology. 2018 Feb;32(2):96-99. doi: 10.1089/end.2017.0626.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29216731>

Summary:

This study explored preclinical testing outcomes of a combination stone basket and ureteral balloon for extraction of urethral stones.

Importance of Research:

The study identified a combination stone basket and balloon device as a safe, alternative option for urethral stone extraction.

Predictors of Long-Term Bladder Management in Spinal Cord Injury Patients-Upper Extremity Function May Matter Most.

Zlatev DV, **Shem K, Elliott CS**. Neurourology and Urodynamics. 2018 Mar;37(3):1106-1112. doi: 10.1002/nau.23430.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/29044679>

Summary:

This study explored the effects of limitations in upper extremity (UE) motor function on long-term adoption of clean intermittent catheterization (CIC).

Importance of Research:

Accounting for physically limiting factors, impaired UE motor functioning was found to be the most significant predictor for non-adoption of long-term CIC at one year follow-up.

Association Between Concomitant Hysterectomy and Repeat Surgery for Pelvic Organ Prolapse Repair in a Cohort of Nearly 100,000 Women.

Dallas K, Elliott CS, Syan R, Sohlberg E, Enemchukwu E, Rogo-Gupta L. Obstetrics & Gynecology. 2018 Dec;132(6):1328-1336. doi: 10.1097/AOG.0000000000002913.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30334856>

Summary:

This study evaluated the relationship between hysterectomy at the time of pelvic organ prolapse (POP) repair with the risk of having subsequent POP surgery in nearly 100,000 women.

Importance of Research:

The study showed that hysterectomy at the time of POP was associated with 1-3% decreased risk of future POP surgery as well as independently linked to higher perioperative morbidity.

Response to Christison et al. (DOI: 10.1089/neu.2017.5413): Intermittent Catheterization: The Devil Is in the Details.

Elliott CS, Crew J. Journal of Neurotrauma. 2018 Nov 1;35(21):2604. doi: 10.1089/neu.2018.5697.

Abstract Link: <https://www.ncbi.nlm.nih.gov/pubmed/30183493>

Summary:

This article responds to Christison et al.'s study on intermittent catheterization.

Importance of Research:

Severe soft tissue injuries due to high-energy trauma require numerous operative debridements to prevent high morbidity and mortality rates; temporary coverage of large tissue defects via application of vacuum-assisted closure (VAC) of the pelvic region promotes wound conditioning and definitive wound closure.

Where Do Women Go for Revision Surgeries? Geographic Migration Patterns after Urethral Sling Placement in California.

Dallas KB, Rogo-Gupta L, **Elliott CS.** Urology Practice. 2018 Mar;5(2)93-100.

Abstract Link: <https://www.sciencedirect.com/science/article/pii/S2352077917300493>

Summary:

This study investigated the timing, location, and migration of patients post-urethral sling placement from one facility in California to another for revision procedures.

Importance of Research:

Results revealed that 78% of all sling revisions were performed at the facility where initial placement occurred; findings suggest that most facilities are capable of performing initial placement and sling revision surgery.

Clinical Trials Day was on May 21, 2018. It was a huge success! Here is a snapshot of what “our research means” to research staff throughout SCVMC!



2019 Goals and Objectives

Research Administration, IRB, and Marketing teams are working together to create a new research page for the lay public highlighting SCVMC's dedication to research.

A new electronic Institutional Review Board (IRB) application system is planned for 2019. This will require training for new users and the IRB members.

Updated policies and procedures for Research Administration and IRB.

Updates to new Research Administration and IRB websites.

Assessment and customer service survey of SCVMC Principal Investigators and researchers.