

The Madigan Scope

Highlighting Research at
Madigan Army Medical Center



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Quarterly Newsletter

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Madigan Research Day 2021



The 24th annual Colonel Pat C. Kelly Madigan Research Day event was hosted this year in person and virtually by the Department of Clinical Investigation (DCI) in accordance with Madigan Army Medical Center COVID-19 guidance. Podium presentations, the Gamble keynote

presentation, and the awards ceremony were held in person on 7 May 2021 with a livestream option via Microsoft Teams. Poster presentations were hosted virtually on Madigan's internal SharePoint site. "The compressed, hybrid format worked well for where we are in the pandemic – we hope to get back to a fully in-person event next year. There was a lot of enthusiasm and interest and that's what Madigan Research Day is all about," said **(ret Col.) Dr. Rick Burney**, the Chief of DCI.

A record number of abstracts (128) were submitted to this year's event, representing an array of molecular, pre-clinical, clinical and quality improvement projects. Among the highlights:



Major General Jack K. Gamble Memorial Medical Research Lecture - Dr. Mark Kortepeter

Vice President for Research at the Uniformed Services University of the Health Sciences, delivered a timely presentation titled, "From Ebola to COVID-19: Research During a Crisis." Dr. Kortepeter is a graduate of the

Madigan Preventive Medicine Residency Program, and was at the forefront of numerous outbreaks during his distinguished military medical career. He outlined the Department of Defense's (DoD) response to COVID-19 and highlighted the need for military medical research to keep us ready, resilient and responsive for the next outbreak.



DCI Staff 2021

QUARTERLY RESEARCH HIGHLIGHTS

Podium presentations – researchers delivered in-person or narrated slide presentations in the categories of Preclinical Research, Clinical Research, and Quality Improvement. Distinguished judges for this year's event were **Col. Robert Carter** (Biochemistry Consultant to the Surgeon General of the United States Army), **Commander Travis Polk** (Combat Casualty Care Research Program Director) and **Lt. Col. Melinda Hamer** (Director of the Clinical Trial Center at Walter Reed Army Institute for Research). The judges provided outstanding perspective and feedback to presenters throughout the event.

Poster presentations – posters were digitally displayed at Madigan the week of Madigan Research Day and posted on SharePoint for viewing and comments. All posters were digitally judged by Madigan staff members.

Awards were presented by the Acting Commander **Col. Scottie Rooffe** and **CSM Albert Harris**, and included the following:

Madigan Foundation Research Award

The inaugural Madigan Foundation Research Award in the amount of \$2500 was announced this year by **(ret Col.) Dr. George McClure**



the Foundation's President. The award was presented to **Capt. Elizabeth McLeod** (Pathology residency) for her research project titled "Development of a LAMP/MinION strategy to detect diarrheal pathogens in the austere environment". We are grateful to the Madigan Foundation for their generous support of scholarly activity at our institution!

Honorary Awards



Brigadier General George J. Brown
Mentor's Cube:
Lt. Col. Christopher Colombo, Medicine



Nancy Whitten
Research Regulatory Staff Award:
Ms. Barbra Jones, IRB Administrator



Charles A. Andersen
Award for
Simulation Research:
Lt. col. Jillian Phelps, Simulation Center



Brigadier General Mack C. Hill
Facilitator's Award:
Ms. Debra Hood, Orthopedic Surgery

Podium Presentation Awards



Preclinical Session:
Maj. Philip Castaneda,
Emergency Medicine



Clinical Session and Col. Paul Amoroso Staff Award:
Dr. Edward Arrington,
Orthopedic Surgery



Quality Improvement Session:
Capt. Jordan Damschen,
Orthopedic Surgery

QUARTERLY RESEARCH HIGHLIGHTS

POSTER AWARDS



Original Research and Quality Improvement poster:

Col. Cristin Mount, Emergency Medicine Ultrasound fellow



Case Report poster:

Capt. Lucy Yuan, Intern, Transitional Year program

RESEARCH MANUSCRIPT AWARDS



Major General Byron L. Steger Resident Research Award:

Capt. Woo Do, General Surgery, for his manuscript titled, "Preperitoneal Balloon Tamponade and Resuscitative Endovascular Balloon Occlusion of the Aorta: Alternatives to Open Packing for Pelvic Fracture-Associated Hemorrhage."



Madigan Foundation "Fellows" Research Award: Capt. Emily Sheikh, Obstetrics/Gynecology, for

her manuscript titled, "Fetal Sex is Associated with Disproportionate Quantities of the SARS-COV-2 Cell Entry Receptors in the Human Placenta."



Major General Kenyon Joyce Staff Research Award:

Lt. col. Dennis Fujii, Obstetrics/Gynecology for his manuscript titled, "The proteome of human Fallopian Tube Lavages During the Phase of Embryo Transit Reveals Candidate Proteins for the Optimization of Preimplantation Embryo Culture"

Madigan co-inventor recognized with technology transfer award

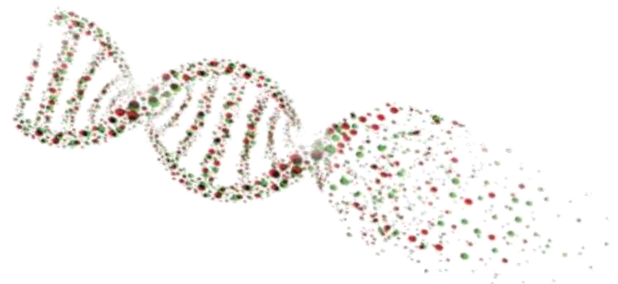


Maj. Douglas Ruhl, Otolaryngology Staff Surgeon at Madigan, in collaboration with other DoD institutions, submitted an international patent application for their invention, the COVID-19 Airway Management Isolation

Chamber (CAMIC). The invention was licensed in the United States and granted two separate Emergency Use Authorizations by the Food and Drug Administration. The CAMIC is a low-cost, flexible isolation chamber that protects health care workers from SARS-CoV-2 exposure during intubation and other airway management procedures. The invention was recognized with the "Excellence in Technology Transfer," award by the Federal Laboratory Consortium. The award recognizes teams that have accomplished outstanding work in the process of transferring federally developed technology.



Emergency Use Authorization (EUA) - it authorizes the FDA to facilitate availability of an unapproved product, or an unapproved use of an approved product, during a declared state of emergency. (doesn't constitute full approval)



QUARTERLY RESEARCH HIGHLIGHTS

Madigan researcher receives \$400K DHA intramural grant for COVID-19 study



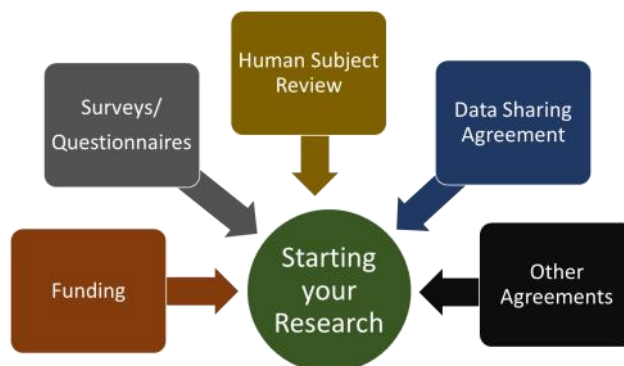
Maj. Rebecca Sainato, Pediatric Infectious Disease, was awarded the Defense Health Agency, Immunization Healthcare Division's Intramural grant. She is the Principal Investigator for a Madigan team consisting of

members from the Pediatrics and Preventive Medicine departments including **Col. Anjali Kunz**, **Col. Paul Faestel**, **Lt. Col. Luke Mease** and **Capt. Richelle Homo**. The funded proposal titled, "Estimating the need, barriers, and willingness for COVID-19 vaccination among DoD beneficiaries" seeks to assess the interim successes and barriers to the vaccination program within the Military Health System.

Madigan IRB is selected as a DoD IRB servicing regional institutions

The Defense Health Agency implemented a reform initiative aimed at reorganizing the Institutional Review Boards (IRB) within the DoD. The initiative reduced the number of IRBs in the inventory from ten to five. Importantly, the Madigan IRB was designated one of the five remaining, and will service DoD military treatment facilities within the Indo-Pacific and Northwest US regions.

Lanes of research approvals have been revised. In addition to Human Subjects review (EDO/IRB), a researcher must also address Survey/Questionnaire, Data Sharing Agreements and HIPAA waivers, Funding and Other Agreements (CRADAs, MTAs) as applicable. Though different proponent offices are approval authorities in these lanes, most can be approached in parallel



with the Human Subjects (EDO/IRB) review. The current exception is the Data Sharing Agreement Application process, which requires final EDO/IRB approval prior to submission to the DHA Privacy Office. All five 'lanes' should be considered by the researcher when starting a research project. Importantly, not all processes apply to every project.



Madigan IRB seeking female physicians

The Institutional Review Board (IRB) is in need of female physicians on this multidisciplinary regional committee. The candidate can be of any discipline/specialty and will be appointed by the Madigan commander to serve on the board following human subjects training.

This Board supports scholarly activity at Madigan. Candidate must be a federal employee. If interested or have questions, please contact Barbara Jones, (253) 968-0149, Barbara.a.jones128.civ@mail.mil.

QUARTERLY RESEARCH HIGHLIGHTS

COLONEL PAT C. KELLY MADIGAN RESEARCH DAY

Friday, May 7, 2021, Letterman Auditorium

Schedule

Time	Presentation Title
8:00 a.m.	Invocation by Chaplain
8:05 a.m.	Introduction by Dr. Rick Burney , Chief, Department of Clinical Investigation
8:10 a.m.	Opening Remarks by Col. Scottie Roofe , Madigan Commander
8:15 a.m.	Preclinical Podium Session
	Evaluating the Influence of Maternal Obesity on Perinatal Neuroinflammation by Maj. Katherine Leonard
	A Delphi Study to Determine Military Women's Health Research Priorities by Lt. Col. Leilani Siaki
	Adenosine, Lidocaine and Magnesium to Mitigate Ischemia Reperfusion Injury from Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA): The Hemodynamic and Inflammatory Response in a Porcine Model by Capt. Jace Franko
	Improving Bariatric Surgery Outcomes: Are There Sex Differences in Disordered Eating Behaviors of Bariatric Surgery Candidates within the Military Health System? by Capt. Tegan Michl
	Special Operations Medics Test the novel iView™ Video Laryngoscope: A Prospective, Randomized, Crossover Trial by Maj. Philip Castaneda
9:15 a.m.	Major General Jack K. Gamble Memorial Medical Research Lecture by Dr. Mark Kortepeter, MD , Vice President for Research, Uniformed Services University of the Health Sciences
10:05 a.m.	Break
10:05 a.m.	Clinical Podium Session
	Preoperative Depression and Anxiety Linked to Patient Reported Outcomes Following Hip Arthroscopy by Capt. Kyle Ardavanis
	FAST Performance in a Stationary Versus In-Motion Military Ambulance Utilizing Handheld Ultrasound by Maj. Cecil Simmons
	Addition of Neurological Status to Pediatric Adjusted Shock Index to Predict Early Mortality in Trauma: A Pediatric TQIP Analysis by Capt. Danny Lammers
	Publication Productivity and Bibliometric Profiling of Graduating General Surgery Chief Residents by Capt. Torbjorg Holtestaul
	Prospective, Randomized Clinical Evaluation of Anterior Cruciate Ligament (ACL) Reconstruction Grafts by Dr. Edward Arrington
11:15 a.m.	Quality Improvement Podium Session
	Comparative Findings after Implementation of an Institutional Pharyngitis Nursing Protocol: A Process Improvement Project by Capt. Richelle Homo
	Virtual versus In-Person Visits for Stable Pediatric Fractures: Patient Safety and Parent Satisfaction by Capt. Jordan Damschen
	Utilizing MHS Genesis to Improve Access to Care in Military Children Exposed to Adverse Childhood Experiences (ACEs) by Capt. Elizabeth Polston
	The Impact of a High-Level Disinfection and Sterilization Workgroup at Madigan Army Medical Center by Maj. Daniel Fedderson
1:00 p.m.	Awards Ceremony



ANNOUNCEMENTS



Get to know DCI staff



Ms. Rayna Wright

Mrs. Rayna Wright recently joined the Department of Clinical Investigation team from Womack Army Medical Center at Ft. Bragg, NC and will serve as the department administrative assistant.

Mrs. Wright and her husband are originally from Indiana, so they are excited about the new adventures that await them in the Northwest.



Mr. Joshua Sakai

Mr. Joshua Sakai recently joined the Department of Clinical Investigation (DCI) as a data scientist. He received his Masters of Science degree from the University of Oregon. Josh worked on genome assembly from sample collection through computational assembly as well as pipeline development. He performed back-end algorithm design for academic and national laboratory groups. He will play a key role in establishing the data science (database/data repository) capability at Madigan, and will provide expertise in the statistical analysis of databases.

Upcoming Events



The 2021 DCI Biomedical Research Short Course (BRSC) is scheduled for 12-15 July 2021 as an in-person event. The four day course is targeted at individuals interested in conducting pre-clinical, translational, and/or clinical research. Course curriculum consists of an instructional seminar series covering diverse topics and practical lab rotations that allow attendees to practice modern precision medicine techniques in the areas of Molecular Biology, Histology, Proteomics, and Cell Biology.



Biomedical Research Short Course

July 12-15, 2021

This four day course is a perfect primer for those interested in conducting pre-clinical, basic molecular (DNA/RNA/protein), translational, and/or precision medicine research. The curriculum consists of instructional seminars and practical wet labs providing hands on experience with fundamental techniques in the areas of histology, molecular biology, and proteomics.

<https://go.usa.gov/xH99p>
(CAC required)

Applied Research Training course

Oct 7, 2021

<https://go.usa.gov/xH9Nf>
(CAC required)

Protocol Development Workshop

1st Tuesday of every month

<https://go.usa.gov/xA438>
(CAC required)

MADIGAN PUBLICATIONS



The following **97 publications** from Madigan investigators were abstracted from PubMed using search term 'Madigan' in the

author affiliations field with publication date and final citation between **October 1, 2020 to March 31, 2020**.

The list is sorted by department. 'Impact Factor' refers to the sum of impact factors from PubMed publications over the period, and provides a measure of research quality. Journal impact factors are taken from SCImago Journal & Country Rank (<https://www.scimagojr.com>) site.

General Surgery (Impact Factor=20.2)

CJ Phillips; MR Barron; J Kuckelman; M Derickson; VY Sohn; KT Paige; K Beshlian. Mobile Smartphone Thermal Imaging Characterization and Identification of Microvascular Flow Insufficiencies in Deep Inferior Epigastric Artery Perforator Free Flaps. *J Surg Res*. May 2021;261:394-399.

CW Marengo; DT Lammers; WS Do; KR Morte; JD Horton; MJ Eckert. Dynamic trend or static variable: Shock Index Pediatric-Adjusted (SIPA) in warzone trauma. *J Pediatr Surg*. Feb 2021;56(2):405-411.

DT Lammers; CW Marengo; KR Morte; JR Conner; JD Horton; M Barlow; MJ Martin; JR Bingham; MJ Eckert; MA Escobar, Jr. Addition of Neurological Status to Pediatric Adjusted Shock Index to Predict Early Mortality in Trauma: A Pediatric TQIP Analysis. *J Trauma Acute Care Surg*. Mar 27 2021.

J Kuckelman; J Conner; Y Zheng; A Pierce; I Jones; D Lammers; D Cuadrado; M Eckert; S Mentzer. Improved outcomes utilizing a novel pectin-based pleural sealant following acute lung injury. *J Trauma Acute Care Surg*. Nov 2020;89(5):915-919.

JR Conner; LC Benavides; SA Shackelford; JM Gurney; EF Burke; MA Remley; RM Ditzel; AP Cap. Hypocalcemia in Military Casualties From Point of Injury to Surgical Teams in Afghanistan. *Mil Med*. Jan 25 2021;186(Suppl 1):300-304.

L Daniel; M Christopher; F Dominic; M Kaitlin; B Jason; M Matthew; E Matthew; P Jason. Partial Resuscitative Endovascular Balloon Occlusion of the Aorta via the Tri-Lobe Balloon Catheter. *J Surg Res*. Apr 2021;260:20-27.

MJ Martin; A Johnson; M Rott; A Kuchler; F Cole; A Ramzy; R Barbosa; WB Long. Choosing Wisely: A Prospective Study of Direct to OR Trauma Resuscitation Including Real-Time Trauma Surgeon After-Action Review. *J Trauma Acute Care Surg*. Mar 23 2021.

P Perez; MH Hohman. Mid Face Facelift. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

PM Kemp Bohan; RC Chick; AE O'Shea; TJ Vreeland; AT Hickerson; JL Cindass; DC Ensley; D Hale; GT Clifton; VY Sohn; IM Thompson, Jr.; GE Peoples; MA Liss. Phase I Trial of Encapsulated Rapamycin in Patients with Prostate Cancer Under Active Surveillance to Prevent Progression. *Cancer Prev Res (Phila)*. May 2021;14(5):551-562.

Obstetrics and Gynecology (Impact Factor=16.3)

BD Pier; LM Havemann; AM Quaas; RJ Heitmann. Frozen-thawed embryo transfers: time to adopt a more "natural" approach? *J Assist Reprod Genet*. Mar 19 2021.

DT Fujii; E Yohannes; ED Por; L Gillette; RD Beesley; RJ Heitmann; GE Chow; RO Burney. The proteome of human Fallopian tube lavages during the phase of embryo transit reveals candidate proteins for the optimization of preimplantation embryo culture. *Hum Reprod*. Jan 25 2021;36(2):367-380.

JA Lentscher; ZT Colburn; N Ortogero; L Gillette; GT Leonard; RO Burney; GE Chow. An intrauterine genomic classifier reliably delineates the location of nonviable pregnancies. *Fertil Steril*. Mar 23 2021.

MP Wendel; JR Whittington; ME Pagan; DD Whitcombe; JA Pates; RE McCarthy; EF Magann. Preconception, Antepartum, and Peripartum Care for the Woman With a Spinal Cord Injury: A Review of the Literature. *Obstet Gynecol Surv*. Mar 2021;76(3):159-165.

Family Medicine (Impact Factor=13.9)

A Sagui; E Buck. Brief Cognitive Testing in the Detection and Diagnosis of Clinical Alzheimer-Type Dementia. *Am Fam Physician*. Feb 1 2021;103(3):183-185.

BA Moore; L Pujol; S Waltman; DS Shearer. Management of Post-traumatic Stress Disorder in Veterans and Military Service Members: A Review of Pharmacologic and Psychotherapeutic Interventions Since 2016. *Curr Psychiatry Rep*. Jan 6 2021;23(2):9.

C Hammi; JD Schroeder; B Yeung. Trigger Point Injection. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

C Hodge; C Taylor. Vitamin A Deficiency. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

C Hodge; JD Schroeder. Medial Epicondyle Apophysitis (Little League Elbow). In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

DA Seehusen; TS Rogers; M Al Achkar; T Chang. Coaching, Mentoring, and Sponsoring as Career Development Tools. *Fam Med*. Mar 2021;53(3):175-180.

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DI Rhon; TC Roy; RC Oh; JL Young. Sex and Mental Health Disorder Differences Among Military Service Members With Patellofemoral Syndrome. *J Am Board Fam Med.* Mar-Apr 2021;34(2):328-337.

ES Meisenheimer; B Marshall; SM Tiglao; TS Rogers; DC Bury; MM Dickman; RC Oh. PURL: Can viscous fiber lower glycemic markers in type 2 diabetes? *J Fam Pract.* Jan-Feb 2021;70(1):35-37.

ES Meisenheimer; TS Rogers; A Saguil. Canadian Syncope Risk Score: A Validated Risk Stratification Tool. *Am Fam Physician.* Mar 15 2021;103(6):375-376.

MA Massaquoi; TR Reese; J Barrett; D Nguyen. Perceptions of Gender and Race Equality in Leadership and Advancement Among Military Family Physicians. *Mil Med.* Jan 25 2021;186(Suppl 1):762-766.

NS Nye; K Kasper; CM Madsen; M Szczepanik; CJ Covey; R Oh; S Kane; AI Beutler; JC Leggit; PA Deuster; FG O'Connor. Clinical Practice Guidelines for Exertional Rhabdomyolysis: A Military Medicine Perspective. *Curr Sports Med Rep.* Mar 1 2021;20(3):169-178.

SP Grogan; CA Mount. Ultrasound Physics and Instrumentation. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

Pediatrics (Impact Factor=13.8)

A Bowers; N Friedman; J Caboot. Respiratory Distress and Weight Loss in a 16-year-old Boy with a History of Pancreatitis. *Pediatr Rev.* Feb 2021;42(2):93-95.

B Chokshi; BA Pletcher; JS Strait. A trauma-informed approach to the pediatric COVID-19 response. *Curr Probl Pediatr Adolesc Health Care.* Feb 2021;51(2):100970.

BK Brei; T Sawyer; R Umoren; MM Gray; J Krick; EE Foglia; A Ades; K Glass; JH Kim; N Singh; P Jung; L Johnston; A Moussa; N Napolitano; J Barry; J Zenge; B Quek; SD DeMeo; J Shults; J Unrau; V Nadkarni; A Nishisaki; i National Emergency Airway Registry for Neonates. Associations between family presence and neonatal intubation outcomes: a report from the National Emergency Airway Registry for Neonates: NEAR4NEOS. *Arch Dis Child Fetal Neonatal Ed.* Jan 21 2021.

E Parsons; M Timlin; C Starr; A Fries; R Wells; M Studer; R Sainato. Multisystem Inflammatory Syndrome in Children in February 2020 and Implications of Genomic Sequencing for SARS-CoV-2. *J Pediatric Infect Dis Soc.* May 28 2021;10(5):695-697.

G Paris; NL Friedman; JS Hogue. Choking and Cyanotic Episodes in a 3-month-old Male. *Pediatr Rev.* Jan 2021;42(Suppl 1):S103-S105.

K Lago; K Telu; D Tribble; A Ganesan; A Kunz; C Geist; J Fraser; I Mitra; T Lalani; HC Yun; G For The Infectious Disease Clinical Research Program TravMil Study. Doxycycline Malaria Prophylaxis Impact on Risk of Travelers' Diarrhea among International Travelers. *Am J Trop Med Hyg.* Nov 2020;103(5):1864-1870.

MDA Kline; C Daniels; X Xu; T Sunil; A Ganesan; BK Agan; RE Colombo; KC Kronmann; JM Blaylock; JF Okulicz; AE Markelz. Antiretroviral Therapy Anchor-based Trends in Body Mass Index Following Treatment Initiation Among Military Personnel with HIV. *Mil Med.* Feb 26 2021;186(3-4):279-285.

Emergency Medicine (Impact Factor=13.7)

BL Inman; RE Bridwell; A Cibrario; S Goss; JJ Oliver. Shallow Water Diving-Associated Alveolar Hemorrhage in an Active Duty Sailor: A Case Report. *Mil Med.* Feb 19 2021.

BM Carius; JF Naylor; MD April; AD Fisher; IL Hudson; PJ Stednick; JK Maddry; EK Weitzel; VA Convertino; SG Schauer. Battlefield Vital Sign Monitoring in Role 1 Military Treatment Facilities: A Thematic Analysis of After-Action Reviews from the Prehospital Trauma Registry. *Mil Med.* Nov 26 2020.

C Skinner; CA Mount. Sonography Assessment Of Gestational Age. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

EJ Blutinger; S Shahid; ZJ Jarou; SM Schneider; CS Kang; M Rosenberg. Translating COVID-19 knowledge to practice: Enhancing emergency medicine using the "wisdom of crowds". *J Am Coll Emerg Physicians Open.* Feb 2021;2(1):e12356.

JF Naylor; AD Fisher; MD April; SG Schauer. An analysis of radial pulse strength to recorded blood pressure in the Department of Defense Trauma Registry. *Mil Med.* Dec 30 2020;185(11-12):e1903-e1907.

MD April; A Arana; JC Reynolds; JN Carlson; WT Davis; SG Schauer; JJ Oliver; SM Summers; B Long; RM Walls; CA Brown, 3rd; N Investigators. Peri-intubation cardiac arrest in the Emergency Department: A National Emergency Airway Registry (NEAR) study. *Resuscitation.* May 2021;162:403-411.

MR Tobin; J Grisham; A Brigg; B Kinder. Unusual Case of Acute Decompensated Maple Syrup Urine Disease in the Emergency Department. *Mil Med.* Nov 19 2020.

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MR Tobin; JR Hartline; SB Sullivan; CS Kang; D Devita. Utility of Nonspecific Laboratory Testing for Psychiatric Patients Undergoing Medical Screening in a Military Emergency Department. *Mil Med.* Dec 30 2020;185(11-12):e1941-e1945.

SA Johnson; RS Lauby; AD Fisher; JF Naylor; MD April; B Long; SG Schauer. An Analysis of Conflicts Across Role 1 Guidelines. *Mil Med.* Nov 24 2020.

SE Scott; R Langenohl; T Crisostomo-Wynne; C Kang. Penile Dorsal Vein Rupture Identified by Emergency Department Ultrasound. *Clin Pract Cases Emerg Med.* Feb 2021;5(1):121-122.

SG Schauer; JF Naylor; G Dion; MD April; KK Chung; VA Convertino. An Analysis of Airway Interventions in the Setting of Smoke Inhalation Injury on the Battlefield. *Mil Med.* May 3 2021;186(5-6):e474-e479.

SG Schauer; JF Naylor; WT Davis; MA Borgman; MD April. An Analysis of Prolonged, Continuous Ketamine Infusions. *Mil Med.* Jan 25 2021.

SG Schauer; WT Davis; MD Johnson; MA Escandon; N Uhaa; JK Maddy; JF Naylor; KA Van Arnhem; MD April. A Prospective Assessment of a Novel, Disposable Video Laryngoscope With Physician Assistant Trainees Using a Synthetic Cadaver Model. *Mil Med.* Dec 8 2020.

Orthopaedics (Impact Factor=8.6)

HH Yu; KS Ardavanis; JT Durso; MP Garries; UE Erard. Novel Technique for Osteosynthesis of Tongue-Type Calcaneus Fractures in Osteoporotic Bone: A Case Report. *JBJS Case Connect.* Dec 24 2020;10(4):e20 00476.

J Slevin; M Joyce; JW Galvin; MA Mahlon; MD Grant; JK Eichinger; JA Grassbaugh. Ultrasound-Guided Biceps Tendon Sheath Injections Frequently Extravasate Into the Glenohumeral Joint. *Arthroscopy.* Jan 13 2021.

NH Varady; AF Chen; NJ Drayer; J Ready; SA Lozano-Calderon; BL Hayden. Tranexamic acid in patients with current or former cancer undergoing hip and knee arthroplasty. *J Surg Oncol.* May 2021;123(8):1811-1820.

JD Schroeder; M Varacallo. Smith's Fracture Review. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

MJ Nowak; DA Schultz; DJ Cognetti. Synovial Inclusion Cyst Mimicking a Femoral Neck Stress Fracture in an Active Duty Servicemember: A Case Report. *JBJS Case Connect.* Jan 14 2021;11(1):e20 00571.

Z Schwartz; BH Zalneraitis; BP Milam; MG Warhola; G Gasbarro; JW Galvin. Uncomplicated Arthroscopic Rotator Cuff Repair in Chronic Ipsilateral Upper Extremity Lymphedema: A Case Report. *JBJS Case Connect.* Nov 24 2020;10(4):e20 00290.

Andersen Simulation Center (Impact Factor=8.6)

RM Satava; D Stefanidis; JS Levy; R Smith; JR Martin; S Monfared; LR Timsina; AW Darzi; A Moglia; TC Brand; RP Dorin; KR Dumon; TD Francone; E Georgiou; AC Goh; JE Marcet; MA Martino; R Sudan; J Vale; AG Gallagher. Response to: "Proving the Effectiveness of the Fundamentals of Robotic Surgery (FRS) Skills Curriculum: A Single-blinded, Multispecialty, Multi-institutional Randomized Control Trial": Not only surgeon's manual skills...". *Ann Surg.* Dec 3 2020.

Otolaryngology (Impact Factor=8.2)

A Vincent; MH Hohman. Latissimus Dorsi Myocutaneous Flap. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

A Vincent; MH Hohman. Mandible Reconstruction. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

AJ Yang; MH Hohman. Rhytidectomy. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

EH Wick; ME Whipple; MH Hohman; KS Moe. Computer-Aided Rhinoplasty Using a Novel "navigated" Nasal Osteotomy Technique: A Pilot Study. *Ann Otol Rhinol Laryngol.* Mar 1 2021;3489421996846.

G Dibelius; MH Hohman. Rhinoplasty Tip-shaping Surgery. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

JC Teixeira; JY Ostrom; MH Hohman; MJ Nuara. Botulinum Toxin Type-A for Lip Augmentation: "Lip Flip". *J Craniofac Surg.* Nov 9 2020.

K Joshi; MH Hohman; E Seiger. SMAS Plication Facelift. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

MH Hohman; J Teixeira. Transgender Surgery of the Head and Neck. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

PB Perez; AE Gunter; MP Moody; AG Vincent; CR Perez; RM Serra; MH Hohman. Investigating Long-Term Brow Stabilization by Endotine-Assisted Endoscopic Brow Lift with Concomitant Upper Lid Blepharoplasty. *Ann Otol Rhinol Laryngol.* Feb 25 2021;3489421997653.

T Dunn; MH Hohman. Pretrichial Brow Lift. In: ed^eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.



J Andrews; MH Hohman. Ear Microtia. In: eds. trans. StatPearls. Vol. ed. Treasure Island (FL): StatPearls Publishing.

PI Perez; DR Sloneker; AG Bloom; AG Vincent; MH Hohman; WJ Harsha; KG Anderson. Non-vascularized Fibular Cortex Grafts with Osteocutaneous Free Fibula Transfer: A Novel Technique in Midface Reconstruction. *Ann Otol Rhinol Laryngol*. Nov 23 2020;3489420972734.

MW Herr; AG Vincent; MA Skotnicki; Y Ducic; S Manolidis. Radiation Necrosis of the Lateral Skull Base and Temporal Bone. *Semin Plast Surg*. Nov 2020;34(4):265-271.

MH Hohman; AG Vincent; SR Anderson; Y Ducic; S Cochran. Avoiding Complications in Functional and Aesthetic Rhinoplasty. *Semin Plast Surg*. Nov 2020;34(4):260-264.

Internal Medicine (Impact Factor=7.7)

A Ramirez; D Owshalimpur; C Mount; C Schofield. Retrospective Review of a Novel Virtual Medical Soldier Readiness Processing Process in Response to the COVID-19 Pandemic. *Mil Med*. Jan 15 2021.

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If you have a research-related question, others probably do too; let us know! Questions always welcome. Send your questions to:
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