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248. Mitotic poisons in chemotherapy: “Should I stay (in mitosis) or should I go?” Serena Giovinazzi, Dhruv Bellapu, Viacheslav Morozov, Alexander Ishov

249. Autophagy in renal and prostate cancers. Debra Akin, Kevin Wu, Meagan Flodeen, William Dunn


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256. Regulation of GATA-1 activity by histone deacetylase 1. Bowen Yan, Brian Hamberg, Tao Yang, Yi Qiu

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267. Microfluidic devices for isolation of circulating tumor cells in peripheral blood of pancreatic cancer patients. Weian Sheng, Olorunseun Ogunwobi, Jinling Zhang, Thomas George, Chen Liu, Hugh Fan

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330. Use of a pediatric ventricular assist device in a patient with a failed Norwood Procedure as a bridge to transplantation.  Michael Arnold, Maria Irwin, Nicole Dobija

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332. A unique case of unilateral pulmonary edema.  Natalia Moguillansky, Hassan Alnuaimat

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348. Diagnosing preeclampsia with a pulse oximeter. Tammy Euliano, Teresa Lyles, Shalom Darmanjian, Robert Eggerman, Anthony Gregg

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351. Mixed reality regional anesthesia simulator for learning psychomotor and cognitive skills related to thoracic epidurals and thoracic paravertebral nerve blocks. Gregory Goldenhersh, Barys Ihnatsenka, David Lizdas, Nikolaus Gravenstein, Olga Nin, Samsun Lampotang


353. An interactive iPad simulation of torso ultrasonography. Samsun Lampotang, David Lizdas, Yashwant Bisht, Isaac Luria, Nikolaus Gravenstein


355. Innovative approach to remove an atrial vegetative mass with the AngioVac(4) system: bypassing the cardiac bypass. Morgan Mathie, Yong Peng

356. Discrepancy of femoral and radial arterial pressures after a frozen elephant trunk procedure. Aaron Seller, Yong Peng

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359. Photoplethysmography monitoring at the nasal ala correlates with the respiratory disturbance index. Richard Melker, Donn Dennis, Neil Euliano, Michael Stahl, Richard Berry


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362. Sentiment analysis of pain-related tweets. Ryan Goldsmith, Michael Gravenstein, Roger Fillingim, Patrick Tighe


364. Postoperative pain outcomes at the University of Florida. Patrick Tighe, Yenisel Cruz-Almeida, Andre Boezaart, Haldun Aytug, Roger Fillingim
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366. Malignant hyperthermia evaluation after multiple vessel coronary artery bypass grafting (CABG). Matthew Waldron, Dustin Hegland

367. Permanent magnet micro-needles for nanobiomagnetic applications. Zachary Kaufman, Jon Dobson, Elena Yarmola, Kyle Allen, David Arnold

368. Enhancing magnetic nanoparticle based DNA delivery: ideal cassette features. Matthew Vernon, David Dean, Jon Dobson

369. Biomedical explorations: bench to bedside. Houda Darwiche, Julie Bokor, Mary Jo Koroly

370. New technologies for privacy-preserving data collection, publication and analysis. Samuel Wu, Shigang Chen, Deborah Burr

371. Electronic research consent capture. Michael Conlon, Philip Chase, Amanda Elsey, Xiuyao Song, Francesca Levey, Jianhua Liu

372. Facilitating genetic testing for both clinical care and research. Felix Liu, David Nessl, Amanda Elsey, Alberto Riva, Taimour Langaee, Yang Li, Narayan Raum, Michael Conlon, Michael Clare-Salzler, Julie Johnson

373. Board or walk rounds? Ryan Mazin, Bobby Desai, Alok Beecum, Latha Stead


375. Fidelity monitoring in the wellness incentives and navigation community-based trial. Kai LeMasson, Martin Wegman, Garth Graham, Keith Muller, Bruce Vogel, Elizabeth Shenkman

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378. Effects of state medical marijuana laws on adolescent marijuana use. Sarah Lynne-Landsman, Melvin Livingston, Alexander Wagenaar

379. Patterns of behavioral health service utilization and diagnoses among Medicaid-enrolled white, black and Latino children with ADHD. Melanie Sberna Hinojosa, Matthew Van Voorhis, Nancy Rudner, Elizabeth Shenkman

380. Effectiveness of standardized venous thromboembolism prophylaxis order sets in patients undergoing abdominal or pelvic surgery for cancer. Molly Mandernach, Richard Lottenberg, Thomas Johns, Elaine Speed, Russell Findlay, Wei Hou, Anita Rajasekhar

381. Encouraging communication between patients and physicians: a librarian’s role. Linda Butson, Jennifer Lyon, Michele Tennant, Cecilia Botero, Rebecca Pauly

382. Encouraging women’s health and sex and gender differences research and education at the University of Florida. Linda Butson, Hannah Norton, Mary Edwards, Nancy Schaefer, Michele Tennant, Rebecca Pauly

383. Perceptions of healthcare delivery among ethnic and racial groups in two University of Florida clinic settings. Neal Singh, Martin Wegman, Linda Butson, Rebecca Pauly
384. 24-hour a day intensivist coverage increases the use of palliative care/hospice services in the intensive care unit.  Eric Papierniak, Ibrahim Faruqi

385. Effect of postoperative acute kidney injury on hospital cost.  Tezcan Ozrazgat Baslanti, Adrienne Kuxhausen, Charles Hobson, Philip Efron, Frederick Moore, Mark Segal, Azra Bihorac

386. Effect of acute kidney injury and prolonged hospitalization on long-term survival after postoperative severe sepsis.  Charles Hobson, Tezcan Ozrazgat Baslanti, Adrienne Kuxhausen, Meghan Brennan, Frederick Moore, Philip Efron, Azra Bihorac

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389. A training simulator for pedicle screw placement in spine fusion procedures.  Didier Rajon, Daniel Hoh, William Friedman, Frank Bova


391. Impact of image guided placement of ventricular catheters in shunt surgery: the University of Florida experience.  Kelvin Wilson, Gregory Murad

392. Helmeted versus non-helmeted patients at the University of Florida: the cervical spine debate.  Kristopher Hooten, Gregory Murad

393. Synoptic report generators for molecular and ancillary test reporting in anatomic pathology laboratory information system (APLIS).  Ahmad Alkhasawneh, Bernadette Harris, Hui-Jia Dong, Robert Allan

394. An assessment of current clinical attitudes toward Letrozole use in reproductive endocrinology practices.  Lindsay Malloch, Alice Rhoton-Vlasak

395. Determining the UF target population for fertility preservation counseling and care.  Alice Rhoton-Vlasak, Caprice Knapp

396. Intrauterine insemination: a survey of prognostic cycle factors and the influence of practitioner on pregnancy rates.  Carleigh Meehan, Alice Rhoton-Vlasak, Christopher Sistrom

397. Obesity and reproductive health risks: a survey of awareness in medical and non-medical students.  Alice Rhoton-Vlasak, Tracy Irani, Erica Odera, Deidra Slough

398. Attributes and barriers to care of pelvic pain in university women.  Julie Mann, Jonathan Shuster, Nash Moawad

399. Audit of outpatient diagnostic hysteroscopy for the management of abnormal uterine bleeding.  Megan Johnson, Jonathan Shuster, Nash Moawad

400. Liquid chromatography tandem mass spectrometry for clinical toxicology and therapeutic drug monitoring.  Marc Rumpler, Lindsay Bazydlo, Timothy Garrett, Bruce Goldberger

401. Aortic root thrombus and myocardial infarction in a child with ANCA-associated vasculitis.  Dipankar Gupta, Katherine Rakoczy, Torrey Baines, Melissa Elder, Renee Modica, Renee Vijayan, Sukesh Sukumaran

402. Publication trend and research output of pediatric subspecialties in last two decades.  Harish Rao, Satyanarayan Hegde
403. **Comparison of two dose-specification methods for the treatment of uterine cervix with HDR brachytherapy using a tandem and ring applicator.** Niranjan Bhandare, Anamaria Yeung

404. **Evaluating the association between pre- and post-radiation therapy otitis media with effusion and the incidence of sensory-neural hearing loss in head and neck cancer patients.** Niranjan Bhandare, Vitali Moisseenko, William Song, Christopher Morris, Patrick Antonelli, William Mendenhall

405. **Post-radiation otitis media with effusion: modeling the complication probability and determining the parameters of clinical significance.** Niranjan Bhandare, Vitali Moisseenko, William Song, Patrick Antonelli, William Mendenhall

406. **Surveillance imaging for early detection and treatment of breast cancer metastases in high-risk patients.** Walter O'Dell, Paul Okunieff, Karen Daily, Coy Helderman, Roi Dagan, I-Chan Huang, Michael Milano

407. **Quantification of 3D pulmonary vascular morphology in pediatric patients with pulmonary vascular disease.** Walter O'Dell, Satyanarayan Hegde, Sreekala Prabhakaran

408. **Burden and health related quality of life among caregivers of patients with pelvic floor disorders.** Lindsey Goldstein, Ashkan Akhavein, Lou Moy, Emily Weber-LeBrun, Baharak Moshiree, Atif Iqbal, Emina Huang, Sanda Tan

409. **Outcomes from gastric electrical stimulation in children with intractable gastroparesis.** Jillian McLaughlin, Christopher Jolley, Archana Kedar, Yuki Nikitina, Thomas Abell, Saleem Islam

410. **Analysis of socio-demographic disparities in breast cancer within a national cancer database (NCDB).** Makesha Miggins, Lisa Spiguel, Christiana Shaw

411. **Enhancing medical student surgical education through low cost simulation.** Christiana Shaw, William Stone, Sanda Tan

412. **Safety of totally percutaneous TEVAR in obese patients.** Jason Zakko, Salvatore Scali, Charles Klodell, Philip Hess, Thomas Beaver, Tomas Martin, Thomas Huber, Adam Beck, Robert Feezor

413. **Evidence based medicine training in urology residency: pilot testing of web-based modules.** Yooni Yi, Molly Neuberger, Lawrence Yeung, Charles Scales, Philipp Dahm

414. **Low methodological and reporting quality of randomized controlled trials for devices to treat urolithiasis.** Peter Zavitsanos, Vincent Bird, Kathryn Mince, Molly Neuberger, Philipp Dahm

415. **UF Center for Addiction Research and Education.** Marieta Heaton, Sara Jo Nixon, Joanna Peris

**ELECTRONIC POSTERS**

**Targeted, surgeon-directed, single-dose intraoperative radiotherapy for early stage breast cancer: technique and experience.** Christiana Shaw, Makesha Miggins, Niranjan Bhandare, Judith Lightsey, Anamaria Yeung, Edward Copeland, Stephen Grobmyer

**Reliability of a novel thoracolumbar marker set to assess running kinematics.** Leslie Barnes, Robert Barnes, MaryBeth Horodyski, Bryan Conrad

**Does awareness of being observed affect gait?** Bryan Conrad, Robert Decker, Amanda Seay, Robert Barnes, Heather Vincent

**Biomechanical comparison of knee braces used for MCL injuries.** Joseph Gentile, Bryan Conrad, Kevin Farmer
Hip range of motion correlates with kinematic variables related to elbow valgus torque in baseball pitchers. Andrew Waligora, Bryan Conrad, Giorgio Zeppieri, Trevor Lentz, Kevin Farmer

scAAV-mediated gene transfer of interleukin-1 receptor antagonist to synovium and articular cartilage in large mammalian joints. Rachael Watson, Ted Broome, Padraic Levings, Patrick Colahan, Steven Ghivizzani

Abrogation of the tumorigenic phenotype in osteosarcoma using epigenetic modifiers and gene specific knock down via RNAi. E.M. Viktoria Hyddmark, Padraic Levings, Ali Zarezadeh, Elham Nasri, Steven Ghivizzani, C. Parker Gibbs

Psychological distress in patients with orthopaedic trauma injuries. Robert Barnes, MaryBeth Horodyski, Kalia Sadasivan, Heather Vincent, Bryan Conrad, Kevin Vincent, Leslie Barnes

Comparative psychological distress in acutely injured and healthy runners. Robert Barnes, Leslie Barnes, MaryBeth Horodyski, Bryan Conrad, Heather Vincent, Kevin Vincent

A comparison of motorcycle helmet removal techniques in a rider with suspected cervicothoracic spine injury. Dewayne DuBose, Bryan Conrad, Gianluca Del Rossi, Glenn Rechtine, MaryBeth Horodyski


Differences in fuel utilization in young, middle-aged and older recreationally competitive runners at self-selected speed. Elizabeth Adams, Bryan Conrad, Amanda Seay, Cindy Montero, Kevin Vincent, Heather Vincent

Examination of the effects of hyaluronic acid (HA) viscosupplementation on synovial fluid inflammatory proteins in knee osteoarthritis: potential age and disease severity effects. Heather Vincent, Susan Percival, Bryan Conrad, Amanda Seay, Cindy Montero, Kevin Vincent

Maximal leg strength gains on pain and physical function in concentrically and eccentrically resistance-trained patients with knee osteoarthritis. Daniel Chen, Cindy Montero, Amanda Seay, Heather Vincent, Kevin Vincent

Suprapatellar versus standard approach to intramedullary fixation of tibial shaft fractures. Dane Iams, Richard Vlasak, Sonya Tang, MaryBeth Horodyski, Mark Scarborough, Scott Myers, C. Parker Gibbs, James McFadden