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**302. Patient-reported quality of life following treatment of prostate cancer with proton therapy.** Bradford Hoppe, R. Charles Nichols, Randal Henderson, William Mendenhall, Christopher Williams, Joseph Costa, Christopher Morris, Zhong Su, Zuofeng Li, Nancy Mendenhall

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**310. Functional role of SOX2 in hypoxia-mediated metastasis-associated functions in prostate cancer cells.** Kyung-mi Bae, Yao Dai, Johannes Vieweg, Dietmar Siemann

**311. h-EsA protects human chondrocytes from IL-1 $\beta$ -reduced and lipopolysaccharide-reduced inflammatory responses and extracellular matrix degradation.** Luqiang Huang, Shanmin Yang, Zhenhuan Zhang, Wenlong Lv, Mei Zhang, Liangjie Yin, Jinsheng Hong, Deping Han, Chun Chen, Steven Swarts, Sadasivan Vidyasagar, Paul Okunieff, Lurong Zhang

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**317. Radiotherapy for pituitary adenoma: curse of the secretory tumor.** Stacey Scheick, Robert Amdur, William Mendenhall, Jessica Kirwan, Chris Morris

**318. Developing the use of fingernail clippings to estimate dose in inadvertent radiation exposures.** Steven Swarts, Xiaoming He, Dean Wilcox, Stephen Marsh, Jason Sidabras, Oleg Grinberg, Jiang Gui, Ann Flood, Harold Swartz

**319. Esculentoside A mitigates radiation-induced pulmonary injury.** Shanmin Yang, Zhenhuan Zhang, Luqiang Huang, Wenlong Lv, Mei Zhang, Chaomei Lui, Yongbing Cao, Walter O'Dell, Liangjie Yin, Jinsheng Hong, Xiaohui Wang, Deping Han, Jun Ma, Chun Chen, Amy Zhang, Steven Zhang, Steven Swarts, Sadasivan Vidyasagar, Paul Okunieff, Lurong Zhang

**320. Cucurbitacin E enhances sensitivity of pancreatic cancer cells to radiotherapy and chemotherapy.** Mei Zhang, Wenlong Lv, Zhenhuan Zhang, Jinsheng Hong, Deping Han, Chun Chen, Bingrong Zhang, Shanmin Yang, Paul Okunieff, Lurong Zhang

**321. PTIP downregulation enhances radiation-induced tumor suppression in vitro.** Zhenhuan Zhang, Mei Zhang, Wenlong Lv, Luqiang Huang, Liangjie Yin, Shanmin Yang, Deping Han, Sadasivan Vidyasagar, Paul Okunieff, Lurong Zhang

**322. High-risk human papillomavirus 18 in two nasopharyngeal carcinoma cell lines.** Steven Zhang, Wenlong Li, Jinsheng Hon, Keven Raisch, Yin Li, Aiguo Zhang, Mei Zhang, Luqiang Huang, Amy Zhang, Shanmin Yang, Zhenhuan Zhang, Lurong Zhang, Paul Okunieff

**323. Human papillomavirus oncogene expression in saliva samples of patients with oropharyngeal cancer during radiotherapy.** Steven Zhang, Tyler Hollen, Kevin Raisch, Yin Li, Aiguo Zhang, Mei Zhang, Luqiang Huang, Amy Zhang, Shanmin Yang, Zhenhuan Zhang, Steven Swarts, Lurong Zhang, Paul Okunieff

**324. Increasing number of swallows during esophageal high resolution manometry may increase the sensitivity of Jackhammer esophagus diagnosis.** Jamie Walters, Arif Ishmael, Manas Shukla, Liping Pu, Gina Hare, Qing Zhang

**325. Larger volume swallows may increase diagnostic accuracy of esophageal motility disorders.** Jamie Walters, Manas Shukla, Arif Ishmael, Liping Pu, Gina Hare, Qing Zhang

**326. Obesity increases resistance of bolus transit through esophagogastric junction.** Jamie Walters, Manas Shukla, Arif Ishmael, Liping Pu, Gina Hare, Qing Zhang

**327. Postmarketing experience with CFTR potentiator, ivacaftor therapy in cystic fibrosis patients having G550S mutation.** Pritish Mondal, Cindy Capen, Jorge Lascano, Satyanarayan Hegde

**328. Optimal mode of sedation for infant pulmonary function testing.** Pritish Mondal, Steven Johnson, Mutasim Abu Hasan, Satyanarayan Hegde

**329. Creatinine clearance predicts poor outcome in emergency department presentation of pediatric sepsis.** Marie-Carmelle Elie-Turenne, Azra Bihorac, Tezcan Ozrazgat Baslanti, Mohammad Abu-farsakh, Pratik Patel, Tricia Falgiani, Mark Segal

- 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
- 331. Preoperative preparation and induction for the newborn with congenital aortic stenosis.** Michael Arnold, Andrew Pitkin
- 332. A unique case of unilateral pulmonary edema.** Natalia Moguillansky, Hassan Alnuaimat
- 333. Conversion from intravenous epoprostenol products to inhaled treprostinil for pulmonary arterial hypertension.** Nicole Reardon, Julie Cash, Hassan Alnuaimat
- 334. Association of non-steroidal anti-inflammatory drugs with adverse cardiovascular outcomes: results from the women's health initiative.** Anthony Bavry, Fridtjof Thomas, Matthew Allison, Karen Johnson, Barbara Howard, Mark Hlatky, JoAnn Manson, Marian Limacher
- 335. Feasibility of speckle tracking analysis of intra-operative trans-esophageal echocardiographic images, correlation of derived strain measures with operative outcomes and comparison with conventional ejection fraction.** Ashkan Karimi, Thomas Beaver, Yong Peng, Gregory Janelle, William Smith, Huong Le, John Petersen
- 336. Appropriate use of myocardial perfusion imaging at the Malcom Randall Veteran's Affairs Medical Center (VAMC).** Ryan Meral, Daniel Nguyen, Scott Ryals, Ryan Chauffe, Raman Dusaj, Rebecca Beyth, David Winchester
- 337. Prevalence and implications of severe anxiety in emergency department patients with chest pain.** Julio Schwarz, Adesh Prashad, David Winchester
- 338. Comparison of inappropriate myocardial perfusion imaging by specialty training and encounter location.** David Winchester, Scott Ryals, Daniel Nguyen, Ryan Meral, Raman Dusaj, Rebecca Beyth
- 339. Major adverse cardiac events associated with appropriate and inappropriate myocardial perfusion imaging.** David Winchester, Ryan Chauffe, Ryan Meral, Daniel Nguyen, Rebecca Beyth
- 340. Medical trainee adherence to appropriate use criteria when ordering myocardial perfusion imaging.** David Winchester, Scott Ryals, Ryan Meral, Daniel Nguyen, Rebecca Beyth
- 341. Dissection of CD19-positive compartments in bone marrow samples by flow cytometry.** Ahmad Alkhasawneh, Ying Li, Samer Al-Quran
- 342. Loss of SMAD4 expression is a poor prognostic factor in ampullary adenocarcinoma.** Ahmad Alkhasawneh, Lizette Vila Duckworth, Neelam Desai, Xiaomin Lu, Alex Sommerfeld, Thomas George, Tania Zuluaga Toro
- 343. Clinicopathologic features of ampullary adenocarcinoma of indeterminate histologic type (non-intestinal, non-biliary).** Ahmad Alkhasawneh, Lizette Vila Duckworth, Neelam Desai, Xiaomin Lu, Alex Sommerfeld, Thomas George, Tania Zuluaga Toro
- 344. The pattern of CDX2 expression in ampullary adenocarcinomas predicts biliary versus intestinal phenotype: prognostic implications.** Ahmad Alkhasawneh, Lizette Vila Duckworth, Neelam Desai, Alex Sommerfeld, Xiaomin Lu, Thomas George, Tania Zuluaga Toro
- 345. Utility of pHH3 immunohistochemistry in risk stratification of gastrointestinal stromal tumors: an inter-observer variability study.** Ahmad Alkhasawneh, Lizette Vila Duckworth, Xiaomin Lu, Thomas George, John Reith, Tania Zuluaga Toro
- 346. Compensating for facemask leaks during noninvasive ventilation (NIV) improves accuracy of work of breathing (WOB) measurements.** Nawar Al-Rawas, Michael Banner, Neil Euliano, Jeff Brown, A. Daniel Martin, Stephen Myers, Andrea Gabrielli

- 347. Real time measurement of pulmonary mechanics during pressure regulated volume control ventilation (VC+).** Nawar Al-Rawas, Michael Banner, Neil Euliano, Carl Tams, A. Daniel Martin, Andrea Gabrielli
- 348. Diagnosing preeclampsia with a pulse oximeter.** Tammy Euliano, Teresa Lyles, Shalom Darmanjian, Robert Eggerman, Anthony Gregg
- 349. Evaluating the long-term retention of a multidisciplinary electroencephalography instructional model.** Brenda Fahy, Destiny Chau, Tezcan Baslanti, Meriem Owen
- 350. Filters in trauma patients: a national practice pattern survey of US trauma centers.** Anita Rajasekhar, Hany Elmariah, Darwin Ang, Lawrence Lottenberg, Rebecca Beyth, Richard Lottenberg
- 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
- 352. Monitoring consciousness via pulse oximeter motion artifact.** Gregory Goldenhersh, Nikolaus Gravenstein, David Lizdas, Yashwant Bisht, Michael Gravenstein, Samsun Lampotang
- 353. An interactive iPad simulation of torso ultrasonography.** Samsun Lampotang, David Lizdas, Yashwant Bisht, Isaac Luria, Nikolaus Gravenstein
- 354. An iPad simulation of skin prepping.** David Lizdas, Nikolaus Gravenstein, Isaac Luria, Samsun Lampotang
- 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
- 357. Single breath detection during spontaneous ventilation using alar photoplethysmography.** Richard Melker, Michael Stahl, Timothy Morey, Mark Rice, Judith Wishin, Donn Dennis
- 358. Accuracy of a nasal alar pulse oximeter sensor.** Richard Melker, Timothy Morey, Mark Rice, Donn Dennis
- 359. Photoplethysmography monitoring at the nasal ala correlates with the respiratory disturbance index.** Richard Melker, Donn Dennis, Neil Euliano, Michael Stahl, Richard Berry
- 360. Documentation of oral medication adherence using breath analysis: a preliminary assessment of performance.** Timothy Morey, Daniel Gonzalez, Matthew Booth, Judith Wishin, Brian Quinn, Scott Wasdo, Hartmut Derendorf, Richard Melker, Donn Dennis
- 361. Using simulation-based assessment to evaluate cognitive aspects of learning deficiencies in an anesthesia teaching program.** Avner Sidi, Tezcan Ozrazgat Baslanti, Nikolaus Gravenstein, Samsun Lampotang
- 362. Sentiment analysis of pain-related tweets.** Ryan Goldsmith, Michael Gravenstein, Roger Fillingim, Patrick Tighe
- 363. Machine learning algorithms forecast severe acute postoperative pain.** Patrick Tighe, Haldun Aytug, Andre Boezaart, Roger Fillingim
- 364. Postoperative pain outcomes at the University of Florida.** Patrick Tighe, Yenisel Cruz-Almeida, Andre Boezaart, Haldun Aytug, Roger Fillingim

- 365. The operating room as a scale free network: implications for safety and efficiency.** Patrick Tighe, Sephalie Patel, Laurie Davies, Steve Lucas, Nikolaus Gravenstein, Russell Bernard
- 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 Nessler, Amanda Elsey, Alberto Riva, Taimour Langae, Yang Li, Narayan Raum, Michael Conlon, Michael Clare-Salzler, Julie Johnson
- 373. Board or walk rounds?** Ryan Mazin, Bobby Desai, Alok Beecum, Latha Stead
- 374. Pilot study to improve adolescent health risk assessment in primary care using health information technology.** Hajar Kadivar, Katie Eddleton, TaJuana Chisholm, Jevetta Stanford, Maryum Khan, Jessica De Leon, Michael Muszynski, Elizabeth Shenkman
- 375. Fidelity monitoring in the wellness incentives and navigation community-based trial.** Kai LeMasson, Martin Wegman, Garth Graham, Keith Muller, Bruce Vogel, Elizabeth Shenkman
- 376. The longitudinal effects of a home and community-based waiver program on quality of care.** Elizabeth Shenkman, Garth Graham, I-Chan Huang, Martin Wegman, Bruce Vogel, Keith Muller
- 377. Florida's prescription drug monitoring program: temporal and spatial trends in provider utilization.** Chris Delcher, Mildred Maldonado-Molina
- 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
- 387. Effect of postoperative acute kidney injury and sepsis on hospital outcomes.** Tezcan Ozrazgat Baslanti, Meghan Brennan, Charles Hobson, Azra Bihorac
- 388. Characterization of x-ray source and detector geometry for the Compton backscatter imaging system for medical applications.** Badal Juneja, Kati Doxsee, Edward Dugan, David Hintenlang, David Gilland, William Friedman, Frank Bova
- 389. A training simulator for pedicle screw placement in spine fusion procedures.** Didier Rajon, Daniel Hoh, William Friedman, Frank Bova
- 390. Work up of post-operative fevers in elective craniotomies: a pilot study.** Kristin Weaver, Kyle Fargen, Tim O'Conner, Dan Neal, Loretta Fauerbach, Gaurav Trikha, Barbara Frentzen, Gregory Murad
- 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 practioner on pregnancy rates.** Carleigh Meehan, Alice Rhoton-Vlasak, Christopher Sstrom
- 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.** Niranjana 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.** Niranjana 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.** Niranjana 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 Akhavan, 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, Niranjana 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 Rehtine, MaryBeth Horodyski

**The effect of obesity on healthcare costs and resource utilization in patients with acetabular fracture.** Kalia Sadasivan, Richard Vlasak, Donna Carden, Sonya Tang, Edward Haupt, Adeze Egwutu, Heather Vincent

**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