

# The American Journal of Surgery®

## SOUTHWEST SURGICAL CONGRESS

---

- 1035 SWSC 2019 Presidential address "Putting Patients First"**  
*Courtney Scaife*
- 1040 Making an informed choice: Which breast reconstruction type has the lowest complication rate?**  
*Patrick T. Hangge, Kristen Jogerst, Ahmed Mohsen, Heidi Kosiorek, Patricia A. Cronin, Chee-Chee H. Stucky, Nabil Wasif, Richard J. Gray, Alanna M. Rebecca, William J. Casey III, and Barbara A. Pockaj*
- 1046 Evaluation of a water-soluble contrast protocol for small bowel obstruction: A southwestern surgical congress multicenter trial**  
*Eliza E. Moskowitz, Robert C. McIntyre, Clay Cothren Burlew, Laura J. Helmkamp, Erik D. Peltz, Julia R. Coleman, Alexandra Kovar, Michael Truitt, Vaidehi Agrawal, Edwin Onkendi, Rushabh Dev, Jose J. Diaz, Barbara Eaton, and Eric M. Campion*
- 1052 Comparing treatment patterns of hepatocellular carcinoma at academic centers and non-academic centers within the Mountain Region**  
*Daniel Cheng, Chad L. Cross, Gregory Calfee, Daniel Kirgan, Shelley J. Williams, Jennifer Baynosa, and Charles R. St Hill*
- 1060 Laparoscopic omental patch for perforated peptic ulcer disease reduces length of stay and complications, compared to open surgery: A SWSC multicenter study**  
*Adel Alhaj Saleh, Esteban C. Esquivel, John T. Lung, Barbara C. Eaton, Brandon R. Bruns, Galinos Barmparas, Daniel R. Margulies, Alexander Raines, Cressilee Bryant, Christopher E. Crane, Elizabeth P. Scherer, Thomas J. Schroepfel, Eliza Moskowitz, Justin Regner, Richard Frazee, Eric M. Campion, Matthew Bartley, Jared Mortus, Jeremy Ward, Mhd Hasan Almekdash, and Sharmila Dissanaika*
- 1065 It's sooner than you think: Blunt solid organ injury patients are already hypercoagulable upon hospital admission - Results of a bi-institutional, prospective study**  
*Julia R. Coleman, Annika B. Kay, Ernest E. Moore, Hunter B. Moore, Eduardo Gonzalez, Sarah Majercik, Mitchell J. Cohen, Thomas White, and Fredric M. Pieracci*
- 1074 Filled to the brim: The characteristics of over-triage at a level I trauma center**  
*Maria Baimas-George, Kyle W. Cunningham, Samuel W. Ross, Anita Savell, Kelly Monteruil, A. Britton Christmas, and Ronald F. Sing*
- 1079 Follow-up trends after emergency department discharge for acutely symptomatic hernias: A southwestern surgical congress multi-center trial**  
*Jillian L. Angelo, Amy H. Kaji, Lara H. Spence, David S. Plurad, Marlo Asis, Annabel Barber, Thomas J. Schroepfel, Emma C. Callaghan, Brandon T. Grover, Justin L. Regner, Michael Truitt, and Dennis Y. Kim*
- 1084 Ideal timing of early cholecystectomy for acute cholecystitis: An ACS-NSQIP review**  
*Elizabeth A. Alore, Jeremy L. Ward, S. Rob Todd, Chad T. Wilson, Stephanie D. Gordy, Marcus K. Hoffman, and James W. Suliburk*
- 1090 Factors associated with general surgery residents' decisions regarding fellowship and subspecialty stratified by burnout and quality of life**  
*Natalie C. McClintock, Kelsey E. Gray, Angela L. Neville, Amy H. Kaji, Mary M. Wolfe, Kristine E. Calhoun, Farin F. Amersi, Timothy R. Donahue, Tracey D. Arnell, Benjamin T. Jarman, Kenji Inaba, Marc L. Melcher, Jon B. Morris, Brian R. Smith, Mark E. Reeves, Jeffrey M. Gauvin, Edgardo S. Salcedo, Richard A. Sidwell, Daniel L. Dent, Kenric M. Murayama, Richard B. Damewood, Venkateswara P. Poola, and Christian M. de Virgilio*
- 1096 The use of component separation during abdominal wall reconstruction in contaminated fields: A case-control analysis**  
*Sean R. Maloney, Vedra A. Augenstein, Erling Oma, Kathryn A. Schlosser, Tanushree Prasad, Kent W. Kercher, Ronald F. Sing, Paul D. Colavita, and B. Todd Heniford*
- 1102 Who's being left behind? Uninsured emergency general surgery admissions after the ACA**  
*Paul T. Albini, Megan R. Cochran-Yu, Laura N. Godat, Todd W. Costantini, and Jay J. Doucet*
- 1110 Does tranexamic acid really work in an urban US level I trauma center? A single level 1 trauma center's experience**  
*Ashley Dixon, Brent Emigh, Kate Spitz, Pedro Teixeira, Ben Coopwood, Marc Trust, Mitchell Daley, Sadia Ali, Carlos Brown, and Jayson Aydelotte*

## Contents continued

---

- 1114 Improved durable responses regardless of age following cytoreduction and “no-tourniquet” hyperthermic isolated limb chemotherapy for in transit melanoma of the extremity**  
*Ton Wang, Nicholas Osborne, John Rechtenwald, Alex Kim, Niki Matusko, Rita Mayle, and Mark S. Cohen*
- 1122 Implementation of a multi-modal pain regimen to decrease inpatient opioid exposure after injury**  
*Shuyan Wei, Charles Green, Van Thi Thanh Truong, John Howell, Stephanie Martinez Ugarte, Rondel Albarado, Ethan A. Taub, David E. Meyer, Sasha D. Adams, Michelle K. McNutt, Laura J. Moore, Bryan A. Cotton, Lillian S. Kao, Charles E. Wade, John B. Holcomb, and John A. Harvin*
- 1128 Utilization of endovascular and open surgical repair in the United States: A 10-year analysis of the National Trauma Databank (NTDB)**  
*AN Romagnoli, M Zeeshan, B Joseph, and ML Brenner*
- 1134 Platelet dysfunction on thromboelastogram is associated with severity of blunt traumatic brain injury**  
*Annika B. Kay, David S. Morris, Dave S. Collingridge, and Sarah Majercik*
- 1138 Prehospital needle thoracostomy: What are the indications and is a post-trauma center arrival chest tube required?**  
*B.C. Axtman, K.E. Stewart, J.M. Robbins, T. Garwe, Z. Sarwar, R.A. Gonzalez, T.L. Zander, F.M. Balla, and R.M. Albrecht*
- 1143 The role of the American Society of anesthesiologists physical status classification in predicting trauma mortality and outcomes**  
*Catherine M. Kuza, Kazuhide Matsushima, Wendy J. Mack, Christopher Pham, Talia Hourany, Jessica Lee, Thang D. Tran, Roman Dudaryk, Michelle B. Mulder, Miguel A. Escanelle, Babatunde Ogunnaike, M. Iqbal Ahmed, Xi Luo, Alexander Eastman, Jonathan B. Imran, Emily Melikman, Abu Minhajuddin, Anne Feeler, Richard D. Urman, Ali Salim, Dean Spencer, Viktor Gabriel, Divya Ramakrishnan, and Jeffrey T. Nahmias*
- 1152 Protocol driven management of suspected common duct stones: A Southwestern Surgical Congress multi-centered trial**  
*Chad Hall, Justin L. Regner, Thomas Schroepfel, Joe Rodriguez, Robert McIntyre Jr., Franklin Wright, Sharmila Dissanaik, Robyn Richmond, Ariel Santos, and Richard C. Frazee*
- 1156 Trends in resident operative trauma: How to train future trauma surgeons?**  
*Tashinga Musonza, S. Rob Todd, Bradford Scott, M. Andrew Davis, and John Potts*
- 1162 Resuscitative endovascular balloon occlusion of the aorta (REBOA) is associated with improved survival in severely injured patients: A propensity score matching analysis**  
*Ryo Yamamoto, Ramon F. Cestero, Masaru Suzuki, Tomohiro Funabiki, and Junichi Sasaki*
- 1169 Pre-hospital shock index correlates with transfusion, resource utilization and mortality; The role of patient first vitals**  
*Faisal Jehan, Jorge Con, Matthew McIntyre, Muhammad Khan, Asad Azim, Kartik Prabhakaran, and Rifat Latifi*
- 1175 An evaluation of blood product utilization rates with massive transfusion protocol: Before and after thromboelastography (TEG) use in trauma**  
*Mitchell Unruh, Jared Reyes, Stephen D. Helmer, and James M. Haan*
- 1181 Physiologic stress among surgeons who take in-house call**  
*Caitlin Robinson, Ryan Lawless, Ben L. Zarzaur, Lava Timsina, David V. Feliciano, and Jamie J. Coleman*
- 1185 Narrowed pulse pressure predicts massive transfusion and emergent operative intervention following penetrating trauma**  
*Jonathan Warren, Ashkan Moazzez, Vincent Chong, Brant Putnam, Angela Neville, George Singer, Molly Deane, and Dennis Y. Kim*
- 1189 Marijuana use and outcomes in adult and pediatric trauma patients after legalization in California**  
*A. Grigorian, E. Lester, M. Lekawa, C. Figueroa, C.M. Kuza, M. Dolich, S.D. Schubl, C. Barrios Jr., and J. Nahmias*
- 1195 The Extremity/Mechanism/Shock Index/GCS (EMS-G) score: A novel pre-hospital scoring system for early and appropriate MTP activation**  
*Alexandra Kovar, Heather Carmichael, Robert C. McIntyre Jr., Jacob Mago, Alicia Heelan Gladden, Erik D. Peltz, and Franklin L. Wright*
- 1201 Blunt versus penetrating trauma: Is there a resource intensity discrepancy?**  
*CDR Jamie L. Fitch, Paul T. Albin, Anish Y. Patel, Matthew S. Yanoff, Christian S. McEvoy, Chad T. Wilson, James Suliburk, Stephanie D. Gordy, and S. Rob Todd*
- 1206 The metabolic time line of pancreatic cancer: Opportunities to improve early detection of adenocarcinoma**  
*Hunter B. Moore, Rachel Culp-Hill, Julia A. Reisz, Peter J. Lawson, Angela Savaia, Richard D. Schulick, Marco Del Chiaro, Trevor L. Nydam, Ernest E. Moore, Kirk C. Hansen, and Angelo D'Alessandro*

## Contents continued

---

- 1213 Robot-assisted cholecystectomy is a safe but costly approach: A national database review**  
*Bhavani Pokala, Laura Flores, Priscila R. Armijo, Vishal Kothari, and Dmitry Oleynikov*
- 1219 Unexpected complicated appendicitis in the elderly diagnosed with acute appendicitis**  
*Navpreet K. Dhillon, Galinos Barmparas, Ting-Lung Lin, Rodrigo F. Alban, Nicolas Melo, Audrey R. Yang, Daniel R. Margulies, and Eric J. Ley*
- 1223 Outcomes of robotic versus non-robotic minimally-invasive esophagectomy for esophageal cancer: An American College of Surgeons NSQIP database analysis**  
*Gregory J. Harbison, John D. Vossler, Nicholas H. Yim, and Kenric M. Murayama*
- 1229 Are we choosing wisely in elderly females with breast cancer?**  
*Esteban Calderon, Christopher Webb, Heidi E. Kosiorek, M.D. Richard J Gray, Patricia Cronin, Karen Anderson, Donald Northfelt, Ann McCullough, Idris Tolgay Ocal, and Barbara Pockaj*
- 1234 Is non-operative management warranted in ventral hernia patients with comorbidities? A case-matched, prospective 3 year follow-up, patient-centered study**  
*Karla Bernardi, Alexander C. Martin, Julie L. Holihan, Oscar A. Olavarria, Juan R. Flores-Gonzalez, Deepa V. Cherla, Nicole B. Lyons, Puja Shah, Lillian S. Kao, Tien C. Ko, and Mike K. Liang*
- 1239 Role of right hemicolectomy in patients with low-grade appendiceal mucinous adenocarcinoma**  
*Yosef Y. Nasser, Ruoyan Zhu, Christine Sutanto, Christina Wai, Jason S. Cohen, Joshua Ellenhorn, and Avo Artinyan*