



Volume 229

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### Western Surgical Association Presidential Address

**1** Impact, Insight, and Innovation: Our Legacy of Learning

Mark S Talamonti, MD, FACS

### Western Surgical Association Articles

**7** A Tale of Two Kidneys: Differences in Graft Survival for Kidneys Allocated to Simultaneous Liver Kidney Transplant Compared with Contralateral Kidney from the Same Donor

Robert M Cannon, MD, Eric G Davis, MD, FACS, Christopher M Jones, MD, FACS

Despite a higher early mortality rate in simultaneous liver kidney transplant recipients, long-term renal graft survival after simultaneous liver kidney transplantation is longer than that of same-donor kidneys allocated to kidney transplant alone.

**19** Impact of Immunotherapy after Resection of Pancreatic Cancer

Thuy B Tran, MD, Vijay K Maker, MD, FACS, Ajay V Maker, MD, FACS

Patients who underwent curative-intent resection of pancreatic adenocarcinoma experienced improved overall survival associated with receipt of adjuvant immunochemotherapy compared with chemotherapy alone. Receipt of immunotherapy was associated with a survival advantage, even in patients with adverse risk factors, including R1 margins, node-positive, and poorly differentiated disease.

**30** Competing Risk of Death in Elderly Patients with Newly Diagnosed Stage I Breast Cancer

**CME**

Nabil Wasif, MD, MPH, FACS, Matthew Neville, MS, Richard Gray, MD, FACS,  
Patricia Cronin, MD, Barbara A Pockaj, MD, FACS

We quantify competing risks of death due to breast cancer, other cancers, and non-cancers in elderly patients with stage I breast cancer. By taking patient age, comorbidity, and tumor characteristics into account we are able to generate predicted probabilities of competing risks of death at 5 and 8 years.

**38** Sex-Based Differences in Ten-Year Nationwide Outcomes of Carotid Revascularization

Jessica M Mayor, MD, Jason L Salemi, PhD, MPH, Deepa Dongarwar, MS,  
Hamisu M Salihu, MD, PhD, Miguel Montero-Baker, MD, Joseph L Mills, MD, FACS,  
Jayer Chung, MD, MSc, FACS

This retrospective study demonstrates asymptomatic women undergoing carotid revascularization have a similar risk of perioperative stroke, death, and/or MI. Conversely, symptomatic women have an increased risk of stroke after carotid endarterectomy, and especially after carotid artery stenting.

- 48** **Hartmann's Procedure vs Primary Anastomosis with Diverting Loop Ileostomy for Acute Diverticulitis: Nationwide Analysis of 2,729 Emergency Surgery Patients**  
Jae Moo Lee, BA, Jun Bai P Chang, BA, Majed El Hechi, MD,  
Napaporn Kongkaewpaisan, MD, Alexander Bonde, BS, April E Mendoza, MD, MPH,  
Noelle N Saillant, MD, FACS, Peter J Fagenholz, MD, FACS, George Velmahos, MD, PhD, FACS,  
Haytham MA Kaafarani, MD, MPH, FACS
- Surgeons are performing Hartmann's procedure more frequently than primary anastomosis with a diverting loop ileostomy for acute diverticulitis. When controlling for the patient population difference, primary anastomosis with a diverting loop ileostomy appears to be at least as safe as Hartmann's procedure for emergent operative management of acute diverticulitis.
- 58** **Persistently Elevated Glucagon-Like Peptide-1 Levels among Critically Ill Surgical Patients after Sepsis and Development of Chronic Critical Illness and Dismal Long-Term Outcomes**  
**CME** Scott C Brakenridge, MD, FACS, Frederick A Moore, MD, FACS, Nicole R Mercier, MS,  
Michael Cox, MD, Quron Wu, MS, Lyle L Moldawer, PhD, Alicia M Mohr, MD, FACS,  
Philip A Efron, MD, FACS, R Stephen Smith, MD, FACS
- Glucagon-like peptide-1 (GLP-1) is a gut-derived incretin hormone. Elevated GLP-1 after sepsis is a predictor of death or persistent organ dysfunction. Persistently elevated GLP-1 levels are predictive of death or severe functional disability at 6 months after operation. Persistently elevated GLP-1 levels may be a marker of a nonresolving catabolic state.
- 69** **Impact of Neoadjuvant Chemotherapy on the Postoperative Outcomes of Patients Undergoing Liver Resection for Colorectal Liver Metastases: A Population-Based Propensity-Matched Analysis**  
Jason T Wiseman, MD, MSPH, Francisco Guzman-Pruneda, MD, Dimitrios Xourafas, MD,  
Yun Shin Chun, MD, FACS, Aslam Ejaz, MD, MPH, Allan Tsung, MD, FACS,  
Timothy M Pawlik, MD, MPH, PhD, FACS, Jordan M Cloyd, MD
- In this cohort study, the use of neoadjuvant systemic chemotherapy was not associated with higher rates of complications, biliary fistula, post-hepatectomy liver failure, or mortality among patients with colorectal liver metastases undergoing liver resection.
- 79** **Increasing Incidence of Colon Cancer in the Young: Assessing the Tumor Biology**  
Valentine N Nfonsam, MD, MS, FACS, Hunter Jecius, BS, Debbie Chen, MS,  
Pamela N Omesiete, MD, Agnes N Ewongwo, BS, Emad Elquza, MD, Aaron J Scott, MD,  
Jana Jandova, MS, PhD
- Early onset colon cancer has distinct tumor biology compared with late-onset. Cartilage oligomeric matrix protein plays a significant role in colon cancer aggressiveness and should be considered as a potential prognostic biomarker for early detection and surveillance of aggressive early onset colon cancer, which is associated with a poorer prognosis.

**92 Does Tranexamic Acid Improve Clot Strength in Severely Injured Patients Who Have Elevated Fibrin Degradation Products and Low Fibrinolytic Activity, Measured by Thrombelastography?**

Hunter B Moore, MD, PhD, Ernest E Moore, MD, FACS, Michael P Chapman, MD, Kirk C Hansen, PhD, Mitchell J Cohen, MD, FACS, Frederic M Pieracci, MD, MPH, FACS, James Chandler, BA, Angela Sauaia, MD, PhD

Low fibrinolytic activity measured by viscoelastic assays with concurrent biomarkers of fibrinolysis represents a recently appreciated paradoxical coagulation assessment of severely injured patients. Ex vivo analysis demonstrates no gain in clot strength with antifibrinolytics.

**104 Impact of the Society of Surgical Oncology-American Society for Radiation Oncology Margin Guidelines on Breast-Conserving Surgery and Mastectomy Trends**

Olga Kantor, MD, MS, Catherine Pesce, MD, Katherine Kopkash, MD, FACS, Ermilo Barrera, MD, FACS, David J Winchester, MD, FACS, Kristine Kuchta, MS, Katharine Yao, MD, FACS

The margin guidelines of “no tumor on ink” have resulted in a nationwide decrease in repeat operation rates for stage I and II breast cancer. This corresponds with an increase in breast-conserving surgery after 2013 and decrease in bilateral mastectomy, using patient records from the National Cancer Data Base.

**116** **Influence of Adrenal Venous Sampling on Management in Patients with Primary Aldosteronism Independent of Lateralization on Cross-Sectional Imaging**

**CME**

Rebekah A Campbell, MD, Derek S Young, BS, Courtney N Shaver, MS, Samuel K Snyder, MD, FACS, Stacey A Milan, MD, FACS, Terry C Lairmore, MD, FACS, Douglas K McDonald, MD

Adrenal venous sampling can delineate the source of aldosterone hypersecretion, and often this is not concordant with cross-sectional imaging. We found that many patients avoided a potentially non-curative operation due to adrenal venous sampling. Adrenal venous sampling frequently alters the management of aldosteronomas and should be considered in patients before operative intervention.

**126 Effect of New Fellowship Programs on Resident Case Volume in Pediatric Surgery**

John R Potts III, MD, FACS

New pediatric surgery fellowship programs result in fewer pediatric surgery cases being performed by residents in the associated general surgery programs.

**Continuing Medical Education Program**

**136** Influence of adrenal venous sampling on management in patients with primary aldosteronism independent of lateralization on cross-sectional imaging. Campbell RA, Young DS, Shaver CN, et al.

Persistently elevated glucagon-like peptide-1 levels among critically ill surgical patients after sepsis and development of chronic critical illness and dismal long-term outcomes. Brakenridge SC, Moore FA, Mercier NR, et al.

**Additional Articles for July 2019 Online at <http://jacscme.facs.org>**

Competing risk of death in elderly patients with newly diagnosed stage I breast cancer. Wasif N, Neville M, Gray R, et al.

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