

# THE ANNALS OF THORACIC SURGERY

Volume 103 Number 3

March 2017

## CONTENTS



To view e-only articles, go to [www.annalsthoracicsurgery.org](http://www.annalsthoracicsurgery.org)



To participate in The Annals' CME Program, please visit [www.annalsthoracicsurgery.org/cme/home](http://www.annalsthoracicsurgery.org/cme/home)



To view author interview videos, go to [www.annalsthoracicsurgery.org](http://www.annalsthoracicsurgery.org)

### EDITORIAL

- 693 **The TVT Registry: Collaboration Leading to Quality Control**  
Gorav Ailawadi, MD, and Bernard Lung, MD

### HOW I TEACH IT

- 695 **Transcatheter Aortic Valve Replacement: How I Teach It**  
Ross M. Reul, MD, and Michael J. Reardon, MD

### OUTCOMES ANALYSIS, QUALITY IMPROVEMENT, AND PATIENT SAFETY

- 699 **The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2017 Update on Outcomes and Quality**  
Jeffrey P. Jacobs, MD, John E. Mayer, Jr, MD, Constantine Mavroudis, MD, Sean M. O'Brien, PhD, Erle H. Austin, III, MD, Sara K. Pasquali, MD, MHS, Kevin D. Hill, MD, David M. Overman, MD, James D. St. Louis, MD, Tara Karamlou, MD, Christian Pizarro, MD, Jennifer C. Hirsch-Romano, MD, MS, Donna McDonald, RN, MPH, Jane M. Han, MSW, Susan Becker, MBA, RN-BC, Christo I. Tchervenkov, MD, Francois Lacour-Gayet, MD, Carl L. Backer, MD, Charles D. Fraser, MD, James S. Tweddell, MD, Martin J. Elliott, MD, Hal Walters, III, MD, Richard A. Jonas, MD, Richard L. Prager, MD, David M. Shahian, MD, and Marshall L. Jacobs, MD

### ORIGINAL ARTICLES: ADULT CARDIAC

- 710 **Ten-Year Experience of Coronary Endarterectomy for the Diffusely Diseased Left Anterior Descending Artery**  
 Kosaku Nishigawa, MD, Toshihiro Fukui, MD, Masataka Yamazaki, MD, and Shuichiro Takanashi, MD

- 717 **Changes in End-Organ Function in Patients With Prolonged Continuous-Flow Left Ventricular Assist Device Support**  
 Daisuke Yoshioka, MD, Hiroo Takayama, MD, PhD, Paolo C. Colombo, MD, Melana Yuzefpolskaya, MD, Arthur R. Garan, MD, Veli K. Topkara, MD, Jiho Han, BS, Paul Kurlansky, MD, Yoshifumi Naka, MD, PhD, and Koji Takeda, MD, PhD

- 725 **Surgically Corrected Mitral Regurgitation During Left Ventricular Assist Device Implantation Is Associated With Low Recurrence Rate and Improved Midterm Survival**  
Akiko Tanaka, MD, PhD, David Onsager, MD, Tae Song, MD, Daniel Cozadd, MD, Gene Kim, MD, Nitasha Sarswat, MD, Sirtaz Adaty, MD, Gabriel Sayer, MD, Nir Uriel, MD, Valluvan Jeevanandam, MD, and Takeyoshi Ota, MD, PhD

- 734 **Imaging Surveillance After Proximal Aortic Operations: Is it Necessary?**  
 Alexander Iribarne, MD, MS, Jeffrey Keenan, MD, Ehsan Benrashid, MD, Hanghang Wang, MD, James M. Meza, MD, Asvin Ganapathi, MD, Jeffrey G. Gaca, MD, Han W. Kim, MD, Lynne M. Hurwitz, MD, and G. Chad Hughes, MD

- 742 **When Should the Mitral Valve Be Repaired or Replaced in Patients With Ischemic Mitral Regurgitation?**  
Vincent Chan, MD, MPH, Olivier Levac-Martinho, BSc, Benjamin Sohmer, MD, Elsayed Elmistekawy, MD, Marc Ruel, MD, MPH, and Thierry G. Mesana, MD, PhD

Continued on page A-8

- 748 Central Repair With Antegrade TEVAR for Malperfusion Syndromes in Acute DeBakey I Aortic Dissection**  
Prashanth Vallabhajosyula, MD, MS, Jean Paul Gottret, MD, Rohan Menon, BS, Ibrahim Sultan, MD, Zara Abbas, MS, Mary Siki, BS, Matthew Kramer, BS, Aaron Pulsipher, MD, Suveeksha Naidu, Alberto Pochettino, MD, Kariana Milewski, MD, PhD, Wilson Y. Szeto, MD, and Joseph E. Bavaria, MD
- 756 Severity of Preoperative Aortic Regurgitation Does Not Impact Valve Durability of Aortic Valve Repair Following the David V Valve Sparing Aortic Root Replacement**  
W. Brent Keeling, MD, Bradley G. Leshnower, MD, Jose Binongo, PhD, Yi Lasanajak, MSPH, LaRonica McPherson, RN, and Edward P. Chen, MD
- 764 Prediction of Transfusions After Isolated Coronary Artery Bypass Grafting Surgical Procedures**  
Donald S. Likosky, PhD, Theron A. Paugh, CCP, Steven D. Harrington, MD, MBA, Xiaoting Wu, PhD, Mary A. M. Rogers, PhD, Timothy A. Dickinson, MS, CCP, Alphonse DeLucia, III, MD, Barbara R. Benedetti, BBA, Richard L. Prager, MD, Min Zhang, PhD, and Gaetano Paone, MD, MHSA, for the Michigan Society of Thoracic and Cardiovascular Surgeons Quality Collaborative
- 773 Clinical Significance of Spontaneous Echo Contrast on Extracorporeal Membrane Oxygenation**  
Shinya Unai, MD, My-Le Nguyen, MD, Daizo Tanaka, MD, Nataliya Gorbachuk, BA, Gregory D. Marhefka, MD, Hitoshi Hirose, MD, and Nicholas C. Cavarocchi, MD
- 779 Planned Versus Unplanned Reexplorations for Bleeding: A Comparison of Morbidity and Mortality**  
Todd C. Crawford, MD, J. Trent Magruder, MD, Joshua C. Grimm, MD, Christopher M. Sciortino, MD, Kaushik Mandal, MD, Kenton J. Zehr, MD, Duke E. Cameron, MD, Glenn J. Whitman, MD, and John V. Conte, MD
- 787 Should We Perform Carotid Doppler Screening Before Surgical or Transcatheter Aortic Valve Replacement?**  
Jose F. Condado, MD, MS, Hanna A. Jensen, MD, PhD, Aneel Maini, Yi-An Ko, PhD, Mohammad H. Rajaei, MD, Lillian L. Tsai, AB, Chandan Devireddy, MD, Bradley Leshnower, MD, Kretton Mavromatis, MD, Eric L. Sarin, MD, James Stewart, MD, Robert A. Guyton, MD, Vasilis Babaliaros, MD, Edward P. Chen, MD, Michael Halkos, MD, Amy Simone, PA, Patricia Keegan, NP, Peter C. Block, MD, and Vinod H. Thourani, MD, for The Emory Structural Heart and Valve Center
- 795 Transesophageal Echocardiography Complications in Adult Cardiac Surgery: A Retrospective Cohort Study**  
Razvan Purza, BSc, Subhamay Ghosh, MD, PhD, Chris Walker, MD, Brett Hiebert, MS, Lillian Koley, BHScN, G. Scott Mackenzie, MD, FRCPC, and Hilary P. Grocott, MD, FRCPC  
*Invited Commentary*  
Lynn M. Fedoruk, MD, FRCSC
- 804 Exploring Spinal Cord Protection by Remote Ischemic Preconditioning: An Experimental Study**  
Johanna Herajärvi, MD, Tuomas Anttila, MB, Henna Sarja, MB, Caius Mustonen, MB, Henri Haapanen, MD, Tuomas Mäkelä, MD, PhD, Fredrik Yannopoulos, MD, PhD, Tuomo Starck, PhD, Mika Kallio, MD, PhD, Hannu Tuominen, MD, PhD, Ulla Puustola, MD, PhD, Peeter Karihtala, MD, PhD, Kai Kiviluoma, MD, PhD, Vesa Anttila, MD, PhD, and Tatu Juvonen, MD, PhD  
*Invited Commentary*  
Shinya Takahashi, MD, PhD
- 812 Serial Lactate Measurements as a Prognostic Tool in Venovenous Extracorporeal Membrane Oxygenation Support**  
Manuela Bonizzoli, MD, Chiara Lazzeri, MD, Giovanni Cianchi, MD, Maria Boddi, Prof, Morena Cozzolino, MD, Simona Di Valvasone, MD, Paolo Terenzi, MD, Stefano Batacchi, MD, Marco Chiostrì, MD, and Adriano Peris, MD  
*Invited Commentary*  
Michael H. Hines, MD, FACS
- 820 Undersized Mitral Annuloplasty Increases Strain in the Proximal Lateral Left Ventricular Wall**  
Joe Luis Pantoja, BS, Ashley E. Morgan, MD, Eugene A. Grossi, MD, Morten O. Jensen, MD, PhD, Jonathan W. Weinsaft, MD, Robert A. Levine, MD, Liang Ge, PhD, and Mark B. Ratcliffe, MD  
*Invited Commentary*  
Muralidhar Padala, PhD
- 828 The Aortic Root: Natural History After Root-Sparing Ascending Replacement in Nonsyndromic Aneurysmal Patients**  
Sven Peterss, MD, Rohan Bhandari, MD, John A. Rizzo, PhD, Hai Fang, PhD, Gregory A. Kuzmik, MD, Bulat A. Ziganshin, MD, and John A. Elefteriades, MD

Download English Version:

<https://daneshyari.com/en/article/5597524>

Download Persian Version:

<https://daneshyari.com/article/5597524>

[Daneshyari.com](https://daneshyari.com)