Condensed Contents
Pages A3-A4, A6, A8

Table of Contents
Pages A11-A12, A14, A16-A18, A20, A22

Editorials

Off-pump coronary artery bypass grafting: For the many or the few?
Pages 951-953.e1
Nishith N. Patel, Gianni D. Angelini

Robotic pulmonary lobectomy—The future and probably should remain so
Page 954
Scott J. Swanson

Expert Review

The Society of Thoracic Surgeons National Adult Cardiac Database: A continuing commitment to excellence
Pages 955-959

Data entry and data accuracy
Pages 960-961
Hartzell V. Schaff, Morgan L. Brown, Judy R. Lenoch

General Thoracic Surgery

Long-term results of the Heller–Dor operation with intraoperative manometry for the treatment of esophageal achalasia Original Research Article
Pages 962-969
Sandro Mattioli, Alberto Ruffato, Marialuisa Lugaresi, Vladimiro Pilotti, Beatrice Aramini, Frank D'Ovidio

Discussion
Pages 968-969

General thoracic surgery is safe in patients taking clopidogrel (Plavix) Original Research Article
Pages 970-976
Robert James Cerfolio, Douglas J. Minnich, Ayesha S. Bryant

Discussion
Pages 974-976

Should asymptomatic enlarged thymus glands be resected? Original Research Article
Pages 977-983
Smit Singla, Leslie A. Litzky, Larry R. Kaiser, Joseph B. Shrager
Discussion
Pages 981-983

Analysis of clamping versus cutting of T3 sympathetic nerve for severe palmar hyperhidrosis Original Research Article
Pages 984-989
Ted K. Yanagihara, Ali Ibrahimiye, Catherine Harris, Joy Hirsch, Lyall A. Gorenstein

Discussion
Pages 988-989

Branched vascular network architecture: A new approach to lung assist device technology Original Research Article
Pages 990-995
David M. Hoganson, Jennifer L. Anderson, Eli F. Weinberg, Eric J. Swart, Brian K. Orrick, Jeffrey T. Borenstein, Joseph P. Vacanti

Tumor angiogenesis in predicting the survival of patients with stage I lung cancer Original Research Article
Pages 996-1000
Baris Medetoglu, Mehmet Zeki Gunluoglu, Adalet Demir, Huseyin Melek, Nur Buyukpinarbasili, Neslihan Fener, Seyyit Ibrahim Dincer

Acquired Cardiovascular Disease

Superior nationwide outcomes of endovascular versus open repair for isolated descending thoracic aortic aneurysm in 11,669 patients Original Research Article
Pages 1001-1010
Raja R. Gopaldas, Joseph Huh, Tam K. Dao, Scott A. LeMaire, Danny Chu, Faisal G. Bakaeen, Joseph S. Coselli

Discussion
Pages 1008-1009

Cardiac catheterization within 24 hours of valve surgery is significantly associated with acute renal failure Original Research Article
Pages 1011-1017

Discussion
Pages 1016-1017

Perioperative statin therapy reduces mortality in normolipidemic patients undergoing cardiac surgery Original Research Article
Pages 1018-1027

Discussion
Pages 1026-1027
Identifying patients at particular risk of injury during repeat sternotomy: Analysis of 2555 cardiac reoperations  Original Research Article  
*Pages 1028-1035* 
Chan B. Park, Rakesh M. Suri, Harold M. Burkhart, Kevin L. Greason, Joseph A. Dearani, Hartzell V. Schaff, Thoralf M. Sundt III

**Discussion**  
*Pages 1034-1035*

Prophylactic ventral cardiac denervation: Does it reduce incidence of atrial fibrillation after coronary artery bypass grafting?  Original Research Article  
*Pages 1036-1039* 
Abbas Salehi Omran, Abbasali Karimi, Hossein Ahmadi, Parin Yazdanifard, Mahmood Sheikh Fahtollahi, Mokhtar Tazik

Off-pump bilateral internal thoracic artery grafting in patients with left main disease  Original Research Article  
*Pages 1040-1045* 
Toshihiro Fukui, Minoru Tabata, Susumu Manabe, Tomoki Shimokawa, Jun Shimizu, Satoshi Morita, Shuichiro Takenashi

Prevalence and clinical significance of acquired left coronary artery fistulas after surgical myectomy in patients with hypertrophic cardiomyopathy  Original Research Article  
*Pages 1046-1052* 
Aurelio Sgalambro, Iacopo Olivotto, Alessandra Rossi, Stefano Nistri, Katia Baldini, Massimo Baldi, Pierluigi Stefano, David Antoniucci, Francesca Garbini, Franco Cecchi, Magdi H. Yacoub

Influence of the On-X mechanical prosthesis on intermediate-term major thromboembolism and hemorrhage: A prospective multicenter study  Original Research Article  
*Pages 1053-1058.e2* 
Vincent Chan, W.R. Eric Jamieson, B-Khanh Lam, Marc Ruel, Hilton Ling, Guy Fradet, Thierry G. Mesana

**Congenital Heart Disease**

Persistent risk of subsequent procedures and mortality in patients after interrupted aortic arch repair: A Congenital Heart Surgeons' Society study  Original Research Article  
*Pages 1059-1075.e2* 

**Discussion**  
*Pages 1066-1068*

In situ pericardial extracardiac lateral tunnel Fontan operation: Fifteen-year experience  Original Research Article  
*Pages 1076-1083* 
Nahidh W. Hasaniya, Anees J. Razzouk, Neda F. Mulla, Ranae L. Larsen, Leonard L. Bailey
Precise evaluation of bilateral pulmonary artery banding for initial palliation in high-risk hypoplastic left heart syndrome  Original Research Article  
Pages 1084-1091  
Kazuo Kitahori, Arata Murakami, Tetsuhiro Takaoka, Shinichi Takamoto, Minoru Ono

Determinants of outcome after surgical treatment of pulmonary atresia with ventricular septal defect and major aortopulmonary collateral arteries  Original Research Article  
Pages 1092-1103  
Adriano Carotti, Sonia B. Albanese, Sergio Filippelli, Lucilla Ravà, Paolo Guccione, Giacomo Pongiglione, Roberto M. Di Donato

Repair of major congenital cardiac defects in low-birth-weight infants: Is delay warranted?  Original Research Article  
Pages 1104-1109  
Charles W. Shepard, Lazaros K. Kochilas, Ronald M. Rosengart, Ann M. Brearley, Roosevelt Bryant III, James H. Moller, James D. St. Louis

Leaflet suspension to the contralateral annulus to address restriction or tethering-induced mitral and tricuspid regurgitation in children: results of a case-control study  Original Research Article  
Pages 1110-1116  
Patrick O. Myers, Jan T. Christenson, Mustafa Cikirikcioglu, Cécile Tissot, Yacine Aggoun, Afksendiyos Kalangos

Aortic valve repair by cusp extension for rheumatic aortic insufficiency in children: Long-term results and impact of extension material  Original Research Article  
Pages 836-844  
Patrick O. Myers, Cécile Tissot, Jan T. Christenson, Mustafa Cikirikcioglu, Yacine Aggoun, Afksendiyos Kalangos
Perioperative Management

Thromboelastometrically guided transfusion protocol during aortic surgery with circulatory arrest: A prospective, randomized trial  Original Research Article  
Pages 1117-1124.e2  
Evaldas Girdauskas, Jörg Kempfert, Thomas Kuntze, Michael A. Borger, Jörg Enders, Jens Fassl, Volkmar Falk, Friedrich-Wilhelm Mohr

Infections occurring during extracorporeal membrane oxygenation use in adult patients  Original Research Article  
Pages 1125-1132.e2  
Hsin-Yun Sun, Wen-Je Ko, Pi-Ru Tsai, Chun-Chuan Sun, Yin-Yin Chang, Ching-Wen Lee, Yee-Chun Chen

Major complications during negative pressure wound therapy in poststernotomy mediastinitis after cardiac surgery  Original Research Article  
Pages 1133-1136  
Rainer Petzina, Malin Malmsjö, Christof Stamm, Roland Hetzer

Evolving Technology/Basic Science

Coil spring fiducial markers placed safely using navigation bronchoscopy in inoperable patients allows accurate delivery of CyberKnife stereotactic radiosurgery  Original Research Article  
Pages 1137-1142  
Carsten Schroeder, Rana Hejal, Philip A. Linden

Discussion  
Pages 1141-1142

Effects of selective cyclooxygenase-2 and nonselective cyclooxygenase inhibition on ischemic myocardium  Original Research Article  
Pages 1143-1152  
Michael P. Robich, Louis M. Chu, Jun Feng, Thomas A. Burgess, Roger J. Laham, Cesario Bianchi, Frank W. Sellke

Discussion  
Page 1152

Diazoxide maintenance of myocyte volume and contractility during stress: Evidence for a non-sarcolemmal $K_{\text{ATP}}$ channel location  Original Research Article  
Pages 1153-1159  
Angela D. Sellitto, Sara K. Maffit, Ashraf S. Al-Dadah, Haixia Zhang, Richard B. Schuessler, Colin G. Nichols, Jennifer S. Lawton

Discussion  
Page 1159
Myocardial infarction in rats causes partial impairment in insulin response associated with reduced fatty acid oxidation and mitochondrial gene expression  
Original Research Article  
Pages 1160-1167  
Paulo A. Amorim, T. Dung Nguyen, Yasushige Shingu, Michael Schwarzer, Friedrich W. Mohr, Andrea Schrepper, Torsten Doenst

Discussion
Page 1167

Preliminary results of anatomic lung resection using energy-based tissue and vessel coagulative fusion technology  
Original Research Article  
Pages 1168-1173  
Matthew J. Schuchert, Ghulam Abbas, Brian L. Pettiford, James D. Luketich, Rodney J. Landreneau

Discussion
Page 1173

Spliced stromal cell-derived factor-1α analog stimulates endothelial progenitor cell migration and improves cardiac function in a dose-dependent manner after myocardial infarction  
Original Research Article  
Pages 1174-1180  
William Hiesinger, John R. Frederick, Pavan Atluri, Ryan C. McCormick, Nicole Marotta, Jeffrey R. Muenzer, Y. Joseph Woo

Improved left ventricular unloading and circulatory support with synchronized pulsatile left ventricular assistance compared with continuous-flow left ventricular assistance in an acute porcine left ventricular failure model  
Original Research Article  
Pages 1181-1188  
George V. Letsou, Thomas D. Pate, Jeffrey R. Gohean, Mark Kurusz, Raul G. Longoria, Larry Kaiser, Richard W. Smalling

Cardiothoracic Imaging

Pericardial, pleural, and diaphragmatic endometriosis  
Pages 1189-1190  
Marcello Ceccaroni, Roberto Clarizia, Angelo Placci

Brief Technique Reports

Valve-sparing procedure and Lecompte maneuver in patients with late aortic regurgitation and aortic aneurysm after the arterial switch operation  
Pages 1191-1192  
Yih-Sharng Chen, Ing-Sh Chiu, Shu-Chien Huang, Shyh-Jye Chen

Translocation of a single coronary artery from the nonfacing sinus in the arterial switch operation: Long-term patency of the interposition graft  
Pages 1193-1194  
Igor E. Konstantinov, Tyson A. Fricke, Yves d'Udekem, Dorothy J. Radford
Radiolucent retractor for angiographic analysis during hybrid congenital cardiac procedures  
*Pages 1195-1196*  
Gareth J. Morgan, Karen Clarke, Christopher Caldaron, Lee N. Benson

Palliative role of percutaneous radiofrequency ablation for severe hemoptysis in an elderly patient with inoperable lung cancer  
*Pages 1196-1197*  
Alessandro Baisi, Federico Raveglia, Matilde De Simone, Ugo Cioffi

Reconstruction of a resected subclavian vein by transposition of the ipsilateral internal jugular vein  
*Pages 1198-1199*  
Michel Gonzalez, Sébastien Déglise, Hans-Beat Ris, Jean-Marc Corpataux

**Brief Clinical Reports**

Thyroid storm after coronary artery bypass grafting  
*Pages e67-e69*  
Lawrence T. Bish, Joseph E. Bavaria, John Augoustides

Salvage surgery for advanced non–small cell lung cancer after response to gefitinib  
*Pages e69-e71*  
Tomoyuki Hishida, Kanji Nagai, Tetsuya Mitsudomi, Kohei Yokoi, Haruhiko Kondo, Hirohisa Horinouchi, Hirohiko Akiyama, Takeshi Nagayasu, Masahiro Tsuboi and The Japan Clinical Oncology Group

Aortic dissection and rupture in adolescents after tetralogy of Fallot repair  
*Pages e71-e73*  
Igor E. Konstantinov, Tyson A. Fricke, Yves d'Udekem, Terry Robertson

Simple preoperative management for cold agglutinins before cardiac surgery  
*Pages e73-e74*  
Shinji Kanemitsu, Koji Onoda, Kiyohito Yamamoto, Hideto Shimpo

Concomitant mitral valve replacement and re-re-repair of severe pectus deformity correction in a patient with Marfan syndrome  
*Pages e75-e76*  
Christoph Haller, Koppany Sarai, Matthias Siepe, Friedhelm Beyersdorf

A rare case of vascular ring: Retroesophageal artery between the right brachiocephalic artery and the left descending aorta  
*Pages e76-e77*  
Yoshio Ootaki, Mohamed Sulaiman, Ross M. Ungerleider

Disseminated primary coccidioidomycosis of the chest wall  
*Pages e78-e79*  
Kimberly Evans, Royce F. Calhoun, Hugh Black, David T. Cooke

Williams–Beuren syndrome: An unusual cause of neonatal and infantile coarctation  
*Pages e80-e81*  
Issam Kammache, Philippe Acar, Bernard Kreitmann, Alain Fraisse
Aortic dissection caused by aortitis associated with hepatitis C virus–related cryoglobulinemia
Pages e81-e82
Naoto Fukunaga, Hiroshi Fujiwara, Michihiro Nasu, Yukikatsu Okada

Mitroflow pericardial aortic bioprosthesis in patients younger than 60 years
Pages e83-e84
Charles A. Yankah

Letters to the Editor

Relation between hemodynamic behavior and occurrence of early stenotic failure of bioprostheses
Page 1200
Bart Meuris, Willem Flameng

Reply to the Editor
Pages 1200-1201
W.R. Eric Jamieson, Guy J. Fradet

Anticoagulation after bioprosthetic aortic valve replacement
Pages 1201-1202
Justin Nowell, Marjan Jahangiri

Reply to the Editor
Page 1202
Andrew W. ElBardissi, Lawrence H. Cohn

Surgical versus endovascular treatment for type B aortic dissections
Pages 1202-1203.e1
Murat Ugurlucan, Bekir Cemi Karabay, Ufuk Alpagut, Emin Tireli

Decision making in ischemic cardiomyopathy: Is the Cleveland Clinic model valid?
Pages 1203-1205
Gerald D. Buckberg, Constantine L. Athanasuleas

Meetings and Courses

Meetings and Courses
Page 1206

Announcements

The American Association for Thoracic Surgery

The American Association for Thoracic Surgery Volunteer Leadership and Senior Staff Disclosure Statement
Pages 1207-1208

The 91st AATS Annual Meeting
Page 1209

AATS Applications for Membership Now Available Online
Page 1209
2011 Mitral Conclave
Page 1210

The Western Thoracic Surgical Association

Applications for Membership
Page 1210

WTSA 37th Annual Meeting
Page 1210

The American Board of Thoracic Surgery

Notices
Page 1211

Requirements for Maintenance of Certification
Pages 1211

Reader Services

JTCVS Disclosure Statement
Page A29

Information for Readers
Page A30