Condensed Contents

Editor's Message

1295 Tributes to cardiac surgical pioneers
L. H. Cohn

Presidential Address

1296 Some thoughts from the other side of the table, or the last presidential address
N. E. Shumway, Jr

Presidential Perspectives

J. I. Fann and W. A. Baumgartner

Clinical Guideline


e153 2011 ACCF/AHA guideline for the diagnosis and treatment of hypertrophic cardiomyopathy: A report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines

Editorial

1339 Leopards and ghosts in the temple
M. F. McKneally

Congenital Heart Disease (CHD)

1341 Long-term tricuspid valve function after Norwood operation
M. Elmi, E. J. Hickey, W. G. Williams, G. Van Arsdell, C. A. Caldarone, and B. W. McCrindle

1348 Anatomic repair for congenitally corrected transposition of the great arteries: A single-institution 19-year experience
B. Murtuza, D. J. Barron, O. Stumper, J. Stickley, D. Eaton, T. J. Jones, and W. J. Brawn

1358 The impact of a dedicated single-ventricle home-monitoring program on interstage somatic growth, interstage attrition, and 1-year survival
C. J. Petit, C. D. Fraser, R. Mattamal, T. C. Slesnick, C. E. Cephus, and E. C. Ocampo

1367 The evolving role of intraoperative balloon pulmonary valvuloplasty in valve-sparing repair of tetralogy of Fallot

1374 Long-term results of pulmonary artery rehabilitation in patients with pulmonary atresia, ventricular septal defect, pulmonary artery hypoplasia, and major aortopulmonary collaterals
A. Dragulescu, I. Kammache, V. Fouilloux, P. Amedro, D. Métras, B. Kreitmann, and A. Fraisse

(continued on page 4A)
1381 Mitral valve dysplasia syndrome: A unique form of left-sided heart disease

1388 Transpulmonary arterial repair of type 1 ventricular septal defect will induce pulmonary regurgitation: Appraisal of subpulmonic approach
S-J. Chien, J-P. Chang, C-D. Liang, Y-J. Lin, C-F. Huang, I-C. Lin, and C-L. Kao

General Thoracic Surgery (GTS)

1393 A prospective controlled trial of endobronchial ultrasound-guided transbronchial needle aspiration compared with mediastinoscopy for mediastinal lymph node staging of lung cancer

1400 Commentary: Mediastinoscopy: An obsolete procedure?
V. W. Rusch

1403 Esophageal submucosa: The watershed for esophageal cancer

1412 Video-assisted thoracoscopic surgery (VATS) lobectomy: Catastrophic intraoperative complications
R. M. Flores, U. Ihekweazu, J. Dycoco, N. P. Rizk, V. W. Rusch, M. S. Bains, R. J. Downey, D. Finley, P. Adusumilli, I. Sarkaria, J. Huang, and B. Park

1418 Inefficiency as the major driver of excess costs in lung resection
D. E. Fry, M. Pine, B. L. Jones, and R. J. Meimban

Acquired Cardiovascular Disease (ACD)

1423 Improved midterm outcomes for type A (central) pulmonary emboli treated surgically
J. P. Greelish, M. Leacche, N. S. Solenkova, R. M. Ahmad, and J. G. Byrne

1430 Valve sparing-root replacement with the reimplantation technique to increase the durability of bicuspid aortic valve repair
L. de Kerchove, M. Boodhwani, D. Glineur, M. Vandyck, J-L. Vanoverschelde, P. Noirhomme, and G. El Khoury

1439 Pulmonary hypertension adversely affects short- and long-term survival after mitral valve operation for mitral regurgitation: Implications for timing of surgery
M. Ghoreishi, C. F. Evans, C. R. DeFilippi, G. Hobbs, C. A. Young, B. P. Griffith, and J. S. Gammie

1453 Effect of sutureless implantation of the Perceval S aortic valve bioprosthesis on intraoperative and early postoperative outcomes
W. Flameng, M-C. Herregods, H. Hermans, G. Van der Mieren, M. Vercauteren, G. Poortmans, J. Van Hemelrijck, and B. Meuris

1458 Repair of Stanford type A aortic dissection with ascending aorta and hemiarch replacement combined with stent-graft elephant trunk technique by using innominate cannulation
E. Shi, T. Gu, L. Yu, Z. Xiu, Z. Zhang, C. Wang, and Q. Fang

1464 Revascularization of the left anterior descending artery area using a single left internal thoracic artery: Auto-Y composite grafting or sequential bypassing

1469 Surgical treatment of pulmonary artery sarcoma

(continued on page 6A)
1473 Early and long-term results of reoperative total aortic root replacement with reimplantation of the coronary arteries
I. El-Hamamsy, M. Ibrahim, L-M. Stevens, H. Witzke, L. Clark, and M. H. Yacoub

1478 Femoral artery cannulation for thoracic aortic surgery: Safe under transesophageal echocardiographic control
B. Ayyash, M. Tranquilli, and J. A. Elefteriades

1482 Complete removal as a routine treatment for any cardiovascular implantable electronic device–associated infection
M. Pichlmairer, L. Knigina, I. Kutschka, C. Bara, H. Oswald, G. Klein, T. Bisdas, and A. Havercich

1491 Results of matching valve and root repair to aortic valve and root pathology

1499 Aortic no-touch technique makes the difference in off-pump coronary artery bypass grafting
M. Y. Emmert, B. Seifert, M. Wilhelm, J. Grünfenfelder, V. Falk, and S. P. Salzberg

1507 A minimally invasive approach is more cost-effective than a traditional sternotomy approach for mitral valve surgery
A. Iribarne, R. Eastwood, M. J. Russo, Y. C. Wang, J. Yang, K. N. Hong, C. R. Smith, and M. Argenziano

Perioperative Management (PM)

1515 Cardiac magnetic resonance imaging for the assessment of ventricular function, geometry, and viability before and after surgical ventricular reconstruction
J. Hüther, T. Doenst, S. Nitzsche, H. Thiele, F-W. Mohr, and M. Gutberlet

1523 Standardized preoperative corticosteroid treatment in neonates undergoing cardiac surgery: Results from a randomized trial

Evolving Technology/Basic Science (ET/BS)

1545 A novel cardiopump for beating-heart, image-guided intracardiac surgery

1552 Eight hours of cold static storage with adenosine and lidocaine (Adenocaine) heart preservation solutions: Toward therapeutic suspended animation
D. M. Rudd and G. P. Dobson

Cardiothoracic Imaging

1575 Calcified amorphous tumor of left atrium
Y-C. Lin, Y-T. Tsai, and C-S. Tsai

(continued on page 8A)
**Brief Technique Reports**

1577 Minimally invasive aortic valve replacement via right anterior minithoracotomy: Early outcomes and midterm follow-up  
*M. Glauber, A. Miceli, S. Bevilacqua, and P. A. Farneti*

1579 Split, in situ left internal thoracic artery to revascularize left anterior descending coronary artery system  
*D. Nezic, Z. Antonic, A. Knezevic, and Z. Bojovic*

1581 Rescue surgery for bronchial obstruction after endovascular thoracoabdominal stent implantation  
*P. Kiefer, J. Seeburger, L. Lehmkuhl, and F. W. Mohr*

1582 Right ventricular exclusion for a neonatal patient with Ebstein anomaly: A free wall resection of the right ventricle  
*T. Kawabata, S. Kasahara, S. Arai, and S. Sano*

**Brief Research Report**

1585 Consequences of mitral valve prolapse on chordal tension: Ex vivo and in vivo studies in large animal models  
*M. Granier, M. O. Jensen, J. L. Honge, A. Bel, P. Menasché, S. L. Nielsen, A. Carpentier, R. A. Levine, and A. A. Hagège*

**Online Only: Brief Clinical Report**

e205 Intraoperative occlusion of left coronary ostium after aortic repair detected by transesophageal echocardiography  
*K. Orihashi, T. Takasaki, M. Ozawa, and T. Sueda*

1588 **Letters to the Editor**

1593 **Announcements**

29A **Reader Services**

Full-text online access to The Journal of Thoracic and Cardiovascular Surgery is now available for all print subscribers. See page 1551 for details.

The Journal of Thoracic and Cardiovascular Surgery online is sponsored by St. Jude Medical.

Cover Photographs

*Left:* From Split, *In Situ Left Internal Thoracic Artery to Revascularize Left Anterior Descending Coronary Artery System.* A 3-dimensional volume-rendered image with multi-segment reconstruction depicts the patent proximal in situ left internal thoracic artery (*LITA*) attached to the huge diagonal branch (*Dg*) and superior epigastric artery (*SEA*) and musculophrenic artery (*MPHA*) with reversed blood flow that supplies the distal in situ LITA remnant (*white arrow*) and subsequently the left anterior descending (*LAD*) coronary artery. *White asterisk,* The spot of the proximal LAD occlusion.


*Right:* From Valve Sparing-Root Replacement With the Reimplantation Technique to Increase the Durability of Bicuspid Aortic Valve Repair: Definition of the study groups. Reimplantation was performed with Dacron polyester tube graft in 23 patients (31%) and with a Gelweave Valsalva graft (Vasctek Ltd, a Terumo Company, Renfrewshire, Scotland) in 51 patients (69%). Illustration of proximal circumferential suture line (*white arrows*) in reimplantation technique.