

# Cardiothoracic Publications

## 2015 - 2018

### 2018

Optimized induction of beta common receptor enhances the neuroprotective function of erythropoietin in spinal cord ischemic injury. Yamanaka K, Eldeiry M, **Aftab M**, Mares J, Ryan TJ, **Meng X**, **Weyant MJ**, **Cleveland JC Jr**, **Fullerton DA**, **Reece TB**. J Thorac Cardiovasc Surg. 2018 Jun; 155(6):2505-2516. doi: 10.1016/j.jtcvs.2017.12.132. Epub 2018 Feb 9. PMID: 29523405

Transcatheter Aortic Valve Replacement of Failed Surgically Implanted Bioprostheses: The STS/ACC Registry. Tuzcu EM, Kapadia SR, Vemulapalli S, Carroll JD, Holmes DR Jr, Mack MJ, Thourani VH, **Grover FL**, Brennan JM, Suri RM, Dai D, Svensson LG. J Am Coll Cardiol. 2018 Jul 24; 72(4):370-382. doi: 10.1016/j.jacc.2018.04.074. PMID: 30025572

Preoperative factors associated with worsening in health-related quality of life following coronary artery bypass grafting in the Randomized On/Off Bypass (ROOBY) trial. Bishawi M, Hattler B, Almassi GH, Spertus JA, Quin JA, Collins JF, **Grover FL**, Shroyer AL; VA #517 Randomized On/Off Bypass (ROOBY) Study Group. Am Heart J. 2018 Apr; 198:33-38. doi: 10.1016/j.ahj.2017.12.014. Epub 2017 Dec 24. PMID: 29653645

Inclusion of Functional Status Measures in the Risk Adjustment of 30-Day Mortality after Transcatheter Aortic Valve Replacement: A Report From the Society of Thoracic Surgeons/American College of Cardiology TVT Registry. Arnold SV, O'Brien SM, Vemulapalli S, Cohen DJ, Stebbins A, Brennan JM, Shahian DM, **Grover FL**, Holmes DR, Thourani VH, Peterson ED, Edwards FH; STS/ACC TVT Registry. JACC Cardiovasc Interv. 2018 Mar 26; 11(6):581-589. doi: 10.1016/j.jcin.2018.01.242. PMID: 29566805

W. Gerald Rainer, MD, November 13, 1927 to November 14, 2017. **Grover FL**. Ann Thorac Surg. 2018 Jun; 105(6):1855-1857. doi: 10.1016/j.athoracsur.2018.01.087. Epub 2018 Mar 9. PMID: 29530776

Comparison of Outcomes and Costs Associated With Aspirin ± Clopidogrel After Coronary Artery Bypass Grafting. Ebrahimi R, Gupta S, Carr BM, Bishawi M, Bakaeen FG, Almassi GH, Collins J, **Grover FL**, Quin JA, Wagner TH, Shroyer ALW, Hattler B. Am J Cardiol. 2018 Mar 15; 121(6):709-714. doi: 10.1016/j.amjcard.2017.12.010. Epub 2018 Jan 2. PMID: 29402422

Valve hemodynamic deterioration and cardiovascular outcomes in TAVR: A report from the STS/ACC TVT Registry. Vemulapalli S, Holmes DR Jr, Dai D, Matsouaka R, Mack MJ, **Grover FL**, Makkar RR, Thourani VH, Douglas PS. Am Heart J. 2018 Jan; 195:1-13. doi: 10.1016/j.ahj.2017.09.005. Epub 2017 Sep 9. PMID: 29224637

Mitral valve surgery in the US Veterans Administration health system: 10-year outcomes and trends. Bakaeen FG, Shroyer AL, Zenati MA, Badhwar V, Thourani VH, Gammie JS, Suri RM, Sabik JF 3rd, Gillinov AM, Chu D, Omer S, Hawn MT, Almassi GH, Cornwell LD, **Grover FL**, Rosengart TK, Graham L. J Thorac Cardiovasc Surg. 2018 Jan;155(1):105-117.e5. doi: 10.1016/j.jtcvs.2017.07.089. Epub 2017 Sep 30. PMID: 29074046

The HeartMate 3 pump: Overcoming the hemocompatibility gap. **Cleveland JC Jr**, Goldstein DJ. J Thorac Cardiovasc Surg. 2018 Jun 4. pii: S0022-5223(18)31480-6. doi: 10.1016/j.jtcvs.2018.05.055. [Epub ahead of print] No abstract available. PMID: 30041926

Health Care Resource Use and Cost Implications in the MOMENTUM 3 Long-Term Outcome Study: A Randomized Controlled Trial of a Magnetically Levitated Cardiac Pump in Advanced Heart Failure. Mehra MR, Salerno C, **Cleveland JC**, Pinney S, Yuzefpolskaya M, Milano CA, Itoh A, Goldstein DJ, Uriel N, Gulati S, Pagani FD, John R, Adamson RM, Bogaev

RC, Thohan V, Chuang J, Sood P, Goates S, Silvestry SC. *Circulation*. 2018 May 27. pii: CIRCULATIONAHA.118.035722. doi: 10.1161/CIRCULATIONAHA.118.035722. [Epub ahead of print] PMID: 29807933

The Society of Thoracic Surgeons 2018 Adult Cardiac Surgery Risk Models: Part 1-Background, Design Considerations, and Model Development. Shahian DM, Jacobs JP, Badhwar V, Kurlansky PA, Furnary AP, **Cleveland JC Jr**, Lobdell KW, Vassileva C, Wyler von Ballmoos MC, Thourani VH, Rankin JS, Edgerton JR, D'Agostino RS, Desai ND, Feng L, He X, O'Brien SM. *Ann Thorac Surg*. 2018 May;105(5):1411-1418. doi: 10.1016/j.athoracsur.2018.03.002. Epub 2018 Mar 22. PMID: 29577925

The Society of Thoracic Surgeons 2018 Adult Cardiac Surgery Risk Models: Part 2-Statistical Methods and Results. O'Brien SM, Feng L, He X, Xian Y, Jacobs JP, Badhwar V, Kurlansky PA, Furnary AP, **Cleveland JC Jr**, Lobdell KW, Vassileva C, Wyler von Ballmoos MC, Thourani VH, Rankin JS, Edgerton JR, D'Agostino RS, Desai ND, Edwards FH, Shahian DM. *Ann Thorac Surg*. 2018 May; 105(5):1419-1428. doi: 10.1016/j.athoracsur.2018.03.003. Epub 2018 Mar 22. PMID: 29577924

Two-Year Outcomes with a Magnetically Levitated Cardiac Pump in Heart Failure. Mehra MR, Goldstein DJ, Uriel N, **Cleveland JC Jr**, Yuzefpolskaya M, Salerno C, Walsh MN, Milano CA, Patel CB, Ewald GA, Itoh A, Dean D, Krishnamoorthy A, Cotts WG, Tatoes AJ, Jorde UP, Bruckner BA, Estep JD, Jeevanandam V, Sayer G, Horstmanshof D, Long JW, Gulati S, Skipper ER, O'Connell JB, Heatley G, Sood P, Naka Y; MOMENTUM 3 Investigators. *N Engl J Med*. 2018 Apr 12; 378(15):1386-1395. doi: 10.1056/NEJMoa1800866. Epub 2018 Mar 11. PMID: 29526139

Effectiveness of an Intervention Supporting Shared Decision Making for Destination Therapy Left Ventricular Assist Device: The DECIDE-LVAD Randomized Clinical Trial. Allen LA, McIlvennan CK, Thompson JS, Dunlay SM, LaRue SJ, Lewis EF, Patel CB, Blue L, Fairclough DL, Leister EC, Glasgow RE, **Cleveland JC Jr**, Phillips C, Baldrige V, Walsh MN, Matlock DD. *JAMA Intern Med*. 2018 Apr 1;178(4):520-529. doi: 10.1001/jamainternmed.2017.8713. PMID: 29482225

PTEN deficiency promotes pathological vascular remodeling of human coronary arteries. Moulton KS, Li M, Strand K, Burgett S, McClatchey P, Tucker R, Furgeson SB, Lu S, Kirkpatrick B, **Cleveland JC**, Nemenoff RA, Ambardekar AV, Weiser-Evans MC. *JCI Insight*. 2018 Feb 22; 3(4). pii: 97228. doi: 10.1172/jci.insight.97228. [Epub ahead of print] PMID: 29467331

Noteworthy Cardiac Surgery Literature 2017: Technology Pushing Care Forward. **Reece TB**, **Cleveland JC**. *Semin Cardiothorac Vasc Anesth*. 2018 Mar; 22(1):27-30. doi: 10.1177/1089253217753397. PMID: 29400256

The optimal sequencing of postoperative chemotherapy and radiation therapy in patients with locally advanced or incompletely resected non-small cell lung cancer. **Weyant MJ**. *J Thorac Dis*. 2018 Jun; 10(Suppl 17):S1971-S1973. doi: 10.21037/jtd.2018.04.82. No abstract available. PMID: 30023093

Filamin C Truncation Mutations Are Associated With Arrhythmogenic Dilated Cardiomyopathy and Changes in the Cell-Cell Adhesion Structures. Begay RL, Graw SL, Sinagra G, Asimaki A, Rowland TJ, Slavov DB, Gowan K, Jones KL, Brun F, Merlo M, Miani D, Sweet M, Devaraj K, Wartchow EP, Gigli M, Puggia I, Salcedo EE, Garrity DM, Ambardekar AV, Buttrick P, **Reece TB**, Bristow MR, Saffitz JE, Mestroni L, Taylor MRG. *JACC Clin Electrophysiol*. 2018 Apr; 4(4):504-514. doi: 10.1016/j.jacep.2017.12.003. Epub 2018 Feb 2. PMID: 30067491

Association of variant arch anatomy with type B aortic dissection and hemodynamic mechanisms. Shalhub S, Schäfer M, Hatsukami TS, Sweet MP, Reynolds JJ, Bolster FA, Shin SH, **Reece TB**, Singh N, Starnes BW, Jazaeri O. *J Vasc Surg*. 2018 May 24. pii: S0741-5214(18)30888-7. doi: 10.1016/j.jvs.2018.03.409. [Epub ahead of print] PMID: 29804742

Fate of Aortic Arch Following Surgery on Aortic Root and Ascending Aorta in Bicuspid Aortic Valve (Commentary). **Reece TB**, **Aftab M**. *Ann Thorac Surg*. 2018 May 22. pii: S0003-4975(18)30704-5. doi: 10.1016/j.athoracsur.2018.04.059. [Epub ahead of print] No abstract available. PMID: 29800540

Coronary Artery Remodeling and Fibrosis with Continuous-Flow Left Ventricular Assist Device Support. Ambardekar AV, Weiser-Evans MCM, Li M, Purohit SN, **Aftab M, Reece TB**, Moulton KS. *Circ Heart Fail*. 2018 May; 11(5):e004491. doi: 10.1161/CIRCHEARTFAILURE.117.004491. PMID: 29724722

Invited Commentary. **Reece TB**. *Ann Thorac Surg*. 2018 Mar; 105(3):755-756. doi: 10.1016/j.athoracsur.2017.09.046. No abstract available. PMID: 29455800

Histone deacetylase activity governs diastolic dysfunction through a nongenomic mechanism. Jeong MY, Lin YH, Wennersten SA, Demos-Davies KM, Cavasin MA, Mahaffey JH, Monzani V, Saripalli C, Mascagni P, **Reece TB**, Ambardekar AV, Granzier HL, Dinarello CA, McKinsey TA. *Sci Transl Med*. 2018 Feb 7; 10(427). pii: eaao0144. doi: 10.1126/scitranslmed.aao0144. PMID: 29437146

No need to tailor: Paraplegia risk is intrinsic to complex aortic intervention. **Reece TB, Aftab M**. *J Thorac Cardiovasc Surg*. 2018 Apr; 155(4):1357. doi: 10.1016/j.jtcvs.2017.12.012. Epub 2017 Dec 9. No abstract available. PMID: 29370909

Facilitating Hemostasis After Proximal Aortic Surgery: Results of The PROTECT Trial. Khoynezhad A, DelaRosa J, Moon MR, Brinkman WT, Thompson RB, Desai ND, Malaisrie SC, Girardi LN, Bavaria JE, **Reece TB**; PROTECT Investigators. *Ann Thorac Surg*. 2018 May; 105(5):1357-1364. doi: 10.1016/j.athoracsur.2017.12.013. Epub 2018 Jan 12. PMID: 29337125

Invited Commentary. **Reece TB**. *Ann Thorac Surg*. 2018 Jan; 105(1):38-39. doi: 10.1016/j.athoracsur.2017.06.005. No abstract available. PMID: 29233350

Patients With Type-A Acute Aortic Dissection Presenting With an Abnormal Electrocardiogram. Costin NI, Korach A, Loor G, Peterson MD, Desai ND, Trimarchi S, de Vincentiis C, Ota T, **Reece TB**, Sundt TM, Patel HJ, Chen EP, Montgomery DG, Nienaber CA, Isselbacher EM, Eagle KA, Gleason TG. *Ann Thorac Surg*. 2018 Jan; 105(1):92-99. doi: 10.1016/j.athoracsur.2017.06.063. Epub 2017 Nov 1. PMID: 29074152

ACC/AATS/AHA/ASE/ASNC/HRS/SCAI/SCCT/SCMR/STS 2017 Appropriate Use Criteria for Multimodality Imaging in Valvular Heart Disease: A Report of the American College of Cardiology Appropriate Use Criteria Task Force, American Association for Thoracic Surgery, American Heart Association, American Society of Echocardiography, American Society of Nuclear Cardiology, Heart Rhythm Society, Society for Cardiovascular Angiography and Interventions, Society of Cardiovascular Computed Tomography, Society for Cardiovascular Magnetic Resonance, and Society of Thoracic Surgeons. Doherty JU, Kort S, Mehran R, Schoenhagen P, Soman P, Dehmer GJ, Doherty JU, Schoenhagen P, Amin Z, Bashore TM, Boyle A, Calnon DA, Carabello B, Cerqueira MD, Conte J, Desai M, Edmundowicz D, Ferrari VA, Ghoshhajra B, Mehrotra P, Nazarian S, **Reece TB**, Tamarappoo B, Tzou WS, Wong JB, Doherty JU, Dehmer GJ, Bailey SR, Bhave NM, Brown AS, Daugherty SL, Dean LS, Desai MY, Duvernoy CS, Gillam LD, Hendel RC, Kramer CM, Lindsay BD, Manning WJ, Mehrotra P, Patel MR, Sachdeva R, Wann LS, Winchester DE, Wolk MJ, Allen JM. *J Am Soc Echocardiogr*. 2018 Apr; 31(4):381-404. doi: 10.1016/j.echo.2017.08.012. Epub 2017 Oct 20. PMID: 29066081

Reduced shear stress and associated aortic deformation in the thoracic aorta of patients with chronic obstructive pulmonary disease. Schäfer M, Kheyfets VO, Barker AJ, Stenmark K, Hunter KS, McClatchey PM, Buckner JK, **Reece TB**, Jazaeri O, Fenster BE. *J Vasc Surg*. 2018 Jul; 68(1):246-253. doi: 10.1016/j.jvs.2017.06.110. Epub 2017 Oct 3. PMID: 28986100

Surgical Management of Pulmonary Mycobacterial Disease. **Mitchell JD**. *Semin Respir Crit Care Med*. 2018 Jun; 39(3):392-398. doi: 10.1055/s-0038-1660474. Epub 2018 Aug 2. PMID: 30071554

Geographic Variations in Lung Cancer Lobectomy Outcomes: The General Thoracic Surgery Database. Shroyer AL, Quin JA, Grau-Sepulveda MV, Kosinski AS, Yerokun BA, **Mitchell JD**, Bilfinger TV. *Ann Thorac Surg*. 2017 Nov; 104(5):1650-1655. doi: 10.1016/j.athoracsur.2017.05.066. Epub 2017 Sep 19. PMID: 28935347

Antigen-Presenting Intratumoral B Cells Affect CD4<sup>+</sup> TIL Phenotypes in Non-Small Cell Lung Cancer Patients. Bruno TC, Ebner PJ, Moore BL, Squalls OG, Waugh KA, Eruslanov EB, Singhal S, **Mitchell JD**, Franklin WA, Merrick DT, McCarter MD, Palmer BE, Kern JA, Slansky JE. *Cancer Immunol Res.* 2017 Oct; 5(10):898-907. doi: 10.1158/2326-6066.CIR-17-0075. Epub 2017 Aug 28. PMID: 28848053

Assessment of attitudes towards future implementation of the "Surgical Risk Preoperative Assessment System" (SURPAS) tool: a pilot survey among patients, surgeons, and hospital administrators. Lambert-Kerzner A, Ford KL, Hammermeister KE, Henderson WG, Bronsert MR, **Meguid RA**. *Patient Saf Surg.* 2018 Jun 4; 12:12. doi: 10.1186/s13037-018-0159-z. eCollection 2018. PMID: 29881458

Post-Treatment Mortality after Surgery and Stereotactic Body Radiotherapy for Early-Stage Non-Small-Cell Lung Cancer. Stokes WA, Bronsert MR, **Meguid RA**, Blum MG, Jones BL, Koshy M, Sher DJ, Louie AV, Palma DA, Senan S, Gaspar LE, Kavanagh BD, Rusthoven CG. *J Clin Oncol.* 2018 Mar 1; 36(7):642-651. doi: 10.1200/JCO.2017.75.6536. Epub 2018 Jan 18. PMID: 29346041

The Colorado Humanitarian Surgical Skills Workshop: A Cadaver-Based Workshop to Prepare Residents for Surgery in Austere Settings. Lin Y, Mukhopadhyay S, **Meguid RA**, Kuwayama DP. *J Surg Educ.* 2018 Mar - Apr; 75(2):383-391. doi: 10.1016/j.jsurg.2017.08.009. Epub 2017 Aug 31. PMID: 28864266

Aortic stiffness in adolescent Turner and Marfan syndrome patients. Schäfer M, Browne LP, Truong U, **Jaggers JJ**, **Mitchell MB**, Malone L, Morgan G, Chatfield K, McLennan D, Turbendian H, Vargas D, Fonseca B, DiMaria M, Shah A, Ivy MP, Barker AJ, Hunter KS, Wilson N, Ivy DD, Campbell DN. *Eur J Cardiothorac Surg.* 2018 Apr 19. doi: 10.1093/ejcts/ezy168. [Epub ahead of print] PMID: 29684119

Kawashima by Fenestrated Hemi-Fontan for Palliation Following Prior Stage I Norwood Operation. Zablah JE, Ross M, Wilson N, Fonseca B, **Mitchell MB**. *World J Pediatr Congenit Heart Surg.* 2018 Jul; 9(4):451-453. doi: 10.1177/2150135118769326. PMID: 29945505

Three-dimensional echocardiographic evaluation of Ebstein's anomaly of the tricuspid valve in a patient with hypoplastic left heart syndrome. Cassidy C, **Mitchell MB**, Jone PN. *Cardiol Young.* 2018 Jun; 28(6):885-887. doi: 10.1017/S1047951118000367. Epub 2018 Apr 22. PMID: 29679990

Impact of different coarctation therapies on aortic stiffness: phase-contrast MRI study. Schäfer M, Morgan GJ, **Mitchell MB**, Ross M, Barker AJ, Hunter KS, Fonseca B, DiMaria M, Vargas D, Ivy DD, Wilson N, Browne LP. *Int J Cardiovasc Imaging.* 2018 Apr 17. doi: 10.1007/s10554-018-1357-6. [Epub ahead of print] PMID: 29667078

Endothelin-1 activation in pediatric patients undergoing surgical coarctation of the aorta repair. Frank BS, Urban TT, Tong S, Cassidy C, **Mitchell MB**, Nichols CS, Davidson JA. *World J Cardiol.* 2017 Dec 26; 9(12):822-829. doi: 10.4330/wjc.v9.i12.822. PMID: 29317988

Infectious complications of ventricular assist device use in children in the United States: Data from the Pediatric Interagency Registry for Mechanical Circulatory Support (Pedimacs). Auerbach SR, Richmond ME, Schumacher KR, Lopez-Colon D, **Mitchell MB**, Turrentine MW, Cantor RS, Niebler RA, Eghtesady P. *J Heart Lung Transplant.* 2018 Jan; 37(1):46-53. doi: 10.1016/j.healun.2017.09.013. Epub 2017 Oct 3. PMID: 29107545

Living Without a Pulse: The Vascular Implications of Continuous-Flow Left Ventricular Assist Devices. Purohit SN, Cornwell WK 3rd, **Pal JD**, Lindenfeld J, Ambardekar AV. *Circ Heart Fail.* 2018 Jun; 11(6):e004670. doi: 10.1161/CIRCHEARTFAILURE.117.004670. PMID: 29903893

## 2017

Perioperative Considerations for Chylothorax. Morabito J, Bell MT, Montenij LJ, Mayes LM, Pan Z, Dieleman JM, **Meguid RA**, Bartels K. *J Cardiothorac Vasc Anesth*. 2017 Dec; 31(6):2277-2281. doi: 10.1053/j.jvca.2017.06.001. Epub 2017 Jun 3. No abstract available. PMID: 28939323

An institutional analysis of unplanned return to the operating room to identify areas for quality improvement. Lin Y, **Meguid RA**, Hosokawa PW, Henderson WG, Hammermeister KE, Schulick RD, Shelstad RC, Wild TT, McIntyre RC Jr. *Am J Surg*. 2017 Jul; 214(1):1-6. doi: 10.1016/j.amjsurg.2016.10.021. Epub 2016 Dec 13. PMID: 28057294

Inoperable Patients with Acute Type A Dissection: Are They Candidates for Endovascular Repair? Roselli EE, Hasan SM, Idrees JJ, **Aftab M**, Eagleton MJ, Menon V, Svensson LG. *Interact Cardiovasc Thorac Surg*. 2017 Oct 1;25(4):582-588. doi: 10.1093/icvts/ivx193. PMID: 28962505

Open Distal Fenestration of Chronic Dissection Facilitates Endovascular Elephant Trunk Completion: Late Outcomes. **Aftab M**, Idrees JJ, Cikach F, Navia JL, Hammer D, Roselli EE. *Ann Thorac Surg*. 2017 Dec; 104(6):1960-1967. doi: 10.1016/j.athoracsur.2017.05.044. Epub 2017 Sep 19. PMID: 28939200

Appropriate use: Neither restrictive nor a guideline. **Reece TB**. *J Thorac Cardiovasc Surg*. 2017 Nov 10. pii: S0022-5223(17)32480-7. doi: 10.1016/j.jtcvs.2017.10.129. [Epub ahead of print] No abstract available. PMID: 29198793

Five-Year Outcomes after On-Pump and Off-Pump Coronary-Artery Bypass. Shroyer AL, Hattler B, **Grover FL**. *N Engl J Med*. 2017 Nov 9; 377(19):1898-1899. doi: 10.1056/NEJMc1712000. No abstract available. PMID: 29117485

Concordance between administrative data and clinical review for mortality in the randomized on/off bypass follow-up study (ROOBY-FS). Quin JA, Hattler B, Shroyer ALW, Kemp D, Almassi GH, Bakaeen FG, Carr BM, Bishawi M, Collins JF, **Grover FL**, Wagner TH; Department of Veteran Affairs (CSP#517-FS) ROOBY Follow-up Study's Endpoints Committee. *J Card Surg*. 2017 Dec; 32(12):751-756. doi: 10.1111/jocs.13379. Epub 2017 Dec 13. PMID: 29239024

Rwanda is rising. **Fullerton DA**. *J Thorac Cardiovasc Surg*. 2018 Jun; 155(6):2553. doi: 10.1016/j.jtcvs.2017.12.011. Epub 2017 Dec 9. No abstract available. PMID: 29366581

Right Ventricular Longitudinal Strain In Left Ventricular Assist Device Surgery-A Retrospective Cohort Study. Beck DR, Foley L, Rowe JR, Moss AFD, Weitzel NS, **Reece TB**, **Fullerton DA**, **Cleveland JC Jr**, Bartels K. *J Cardiothorac Vasc Anesth*. 2017 Dec; 31(6):2096-2102. doi: 10.1053/j.jvca.2017.07.018. Epub 2017 Jul 19. PMID: 29103855

Erythropoietin's Beta Common Receptor Mediates Neuroprotection in Spinal Cord Neurons. Foley LS, Fullerton DA, Mares J, Sungelo M, Weyant MJ, Cleveland JC Jr, Reece TB. *Ann Thorac Surg*. 2017 Dec; 104(6):1909-1914. doi: 10.1016/j.athoracsur.2017.07.052. Epub 2017 Oct 31. PMID: 29100648

RTP801 Amplifies Nicotinamide Adenine Dinucleotide Phosphate Oxidase-4-Dependent Oxidative Stress Induced by Cigarette Smoke. Hernández-Saavedra D, Sanders L, Perez MJ, Kosmider B, Smith LP, **Mitchell JD**, Yoshida T, Tuder RM. *Am J Respir Cell Mol Biol*. 2017 Jan; 56(1):62-73. doi: 10.1165/rcmb.2016-144OC. PMID: 27556956

Severe tricuspid regurgitation due to valvular entrapment of an inferior vena cava stent. Hesterberg K, **Babu A**, Frank M, Hogan S, Krantz MJ. *Clin Case Rep*. 2017 Jan 17; 5(2):130-133. doi: 10.1002/ccr3.812. eCollection 2017 Feb. PMID: 28174637

Klotho suppresses the inflammatory responses and ameliorates cardiac dysfunction in aging endotoxemic mice. Hui H, Zhai Y, Ao L, **Cleveland JC Jr**, Liu H, **Fullerton DA**, **Meng X**. *Oncotarget*. 2017 Feb 28; 8(9):15663-15676. doi: 10.18632/oncotarget.14933. PMID: 28152512

MOMENTUM 3 Investigators. A Fully Magnetically Levitated Circulatory Pump for Advanced Heart Failure. Mehra MR, Naka Y, Uriel N, Goldstein DJ, **Cleveland JC Jr**, Colombo PC, Walsh MN, Milano CA, Patel CB, Jorde UP, Pagani FD, Aaronson KD, Dean DA, McCants K, Itoh A, Ewald GA, Horstmannshof D, Long JW, Salerno C; N Engl J Med. 2017 Feb 2; 376(5):440-450. doi: 10.1056/NEJMoa1610426. PMID: 27959709

Interleukin-37 suppresses the osteogenic responses of human aortic valve interstitial cells in vitro and alleviates valve lesions in mice. Zeng Q, Song R, **Fullerton DA**, Ao L, Zhai Y, Li S, Ballak DB, **Cleveland JC Jr**, **Reece TB**, McKinsey TA, Xu D, Dinarello CA, **Meng X**. Proc Natl Acad Sci U S A. 2017 Feb 14; 114(7):1631-1636. doi: 10.1073/pnas.1619667114. PMID: 28137840

Noteworthy Literature Published in 2016 for Cardiac Surgery. **Aftab M**, **Cleveland JC Jr**, **Reece TB**. Semin Cardiothorac Vasc Anesth. 2017 Mar; 21(1):30-35. doi: 10.1177/1089253216688694. PMID: 28134010

2016 Annual Report of The Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry. **Grover FL**, Vemulapalli S, Carroll JD, Edwards FH, Mack MJ, Thourani VH, Brindis RG, Shahian DM, Ruiz CE, Jacobs JP, Hanzel G, Bavaria JE, Tuzcu EM, Peterson ED, Fitzgerald S, Kourtis M, Michaels J, Christensen B, Seward WF, Hewitt K, Holmes DR Jr; STS/ACC TVT Registry. Ann Thorac Surg. 2017 Mar; 103(3):1021-1035. doi: 10.1016/j.athoracsur.2016.12.001. PMID: 27955994

STS/ACC TVT Registry. 2016 Annual Report of The Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry. **Grover FL**, Vemulapalli S, Carroll JD, Edwards FH, Mack MJ, Thourani VH, Brindis RG, Shahian DM, Ruiz CE, Jacobs JP, Hanzel G, Bavaria JE, Tuzcu EM, Peterson ED, Fitzgerald S, Kourtis M, Michaels J, Christensen B, Seward WF, Hewitt K, Holmes DR Jr; J Am Coll Cardiol. 2017 Mar 14; 69(10):1215-1230. doi: 10.1016/j.jacc.2016.11.033. PMID: 27956264

Assessment and Management of Post-Intubation Airway Injuries. Jones TS, Sullivan A, Damle S, **Weyant MJ**, **Mitchell JD**, Weitzel NS, **Meguid RA**. Semin Cardiothorac Vasc Anesth. 2017 Mar; 21(1):99-104. doi: 10.1177/1089253216647488. PMID: 27166401

Retrospective analysis of eliminating modified ultrafiltration after pediatric cardiopulmonary bypass. Perfusion. 2017 Mar; 32(2):97-109. doi: 10.1177/0267659116669587. PMID: 27708000

Society of Thoracic Surgeons Task Force on Resuscitation after Cardiac Surgery. The Society of Thoracic Surgeons Expert Consensus for the Resuscitation of Patients Who Arrest After Cardiac Surgery. McRobb CM, Ing RJ, Lawson DS, **Jegers J**, Twite M. Ann Thorac Surg. 2017 Mar; 103(3):1005-1020. doi: 10.1016/j.athoracsur.2016.10.033. PMID: 28122680

IL-37 suppresses MyD88-mediated inflammatory responses in human aortic valve interstitial cells. Zhan Q, Zeng Q, Song R, Zhai Y, Xu D, **Fullerton DA**, Dinarello CA, **Meng X**. Mol Med. 2017 Mar 27; 23. doi: 10.2119/molmed.2017.00022. PMID: 28362018

The American Association for Thoracic Surgery/Society of Thoracic Surgeons Position Statement on Developing Clinical Practice Documents. Bakaeen FG, Svensson LG, **Mitchell JD**, Keshavjee S, Patterson GA, Weisel RD. Ann Thorac Surg. 2017 Apr; 103(4):1350-1356. doi: 10.1016/j.athoracsur.2017.01.020. No abstract available. PMID: 28359472

The American Association for Thoracic Surgery/Society of Thoracic Surgeons position statement on developing clinical practice documents. Bakaeen FG, Svensson LG, **Mitchell JD**, Keshavjee S, Patterson GA, Weisel RD. J Thorac Cardiovasc Surg. 2017 Apr; 153(4):999-1005. doi: 10.1016/j.jtcvs.2017.01.003. PMID: 28359374

Blunt chest trauma: is there a place for rib stabilization? **Mitchell JD**. J Thorac Dis. 2017 Apr; 9 (Suppl 3):S211-S217. doi: 10.21037/jtd.2017.04.05. Review. PMID: 28446987

Altered MicroRNA Expression Is Responsible for the Pro-Osteogenic Phenotype of Interstitial Cells in Calcified Human Aortic Valves. Song R, **Fullerton DA**, Ao L, Zhao KS, **Reece TB**, **Cleveland JC Jr**, **Meng X**. *J Am Heart Assoc*. 2017 Apr 24; 6(4). pii: e005364. doi: 10.1161/JAHA.116.005364. PMID: 28438736

Double-stranded RNA upregulates the expression of inflammatory mediators in human aortic valve cells through the TLR3-TRIF-noncanonical NF- $\kappa$ B pathway. Zhan Q, Song R, Li F, Ao L, Zeng Q, Xu D, **Fullerton DA**, **Meng X**. *Am J Physiol Cell Physiol*. 2017 Apr 1; 312(4):C407-C417. doi: 10.1152/ajpcell.00230.2016. PMID: 28052863

Chronic Infections of the Chest Wall. Bergeron EJ, **Meguid RA**, **Mitchell JD**. *Thorac Surg Clin*. 2017 May; 27(2):87-97. doi: 10.1016/j.thorsurg.2017.01.002. Review. PMID: 28363377

New tricks for old dogs. **Jaggers J**. *J Thorac Cardiovasc Surg*. 2017 May; 153(5):1153-1154. doi: 10.1016/j.jtcvs.2017.01.038. PMID: 28283229

Combined aortic root replacement and mitral valve surgery: The quest to preserve both valves. Javadikasgari H, Roselli EE, **Aftab M**, Suri RM, Desai MY, Khosravi M, Cikach F, Isabella M, Idrees JJ, Raza S, Tappuni B, Griffin BP, Svensson LG, Gillinov AM. *J Thorac Cardiovasc Surg*. 2017 May; 153(5):1023-1030.e1. doi: 10.1016/j.jtcvs.2017.01.006. PMID: 28262292

Hemolysis generation from a novel, linear positive displacement blood pump for cardiopulmonary bypass on a six kilogram piglet: a preliminary report. Lawson DS, Eilers D, Osorio Lujan S, Bortot M, **Jaggers, J**. *J. Perfusion*. 2017 May; 32(4):264-268. doi: 10.1177/0267659116679881. PMID: 27856841

An epigenetic regulatory loop controls pro-osteogenic activation by TGF- $\beta$ 1 or bone morphogenetic protein 2 in human aortic valve interstitial cells. Song R, **Fullerton DA**, Ao L, Zhao KS, **Meng X**. *J Biol Chem*. 2017 May 26; 292(21):8657-8666. PMID: 28377507

Is Chemical Pyloroplasty Necessary for Minimally Invasive Esophagectomy? Stewart CL, Wilson L, Hamm A, Bartsch C, Boniface M, Gleisner A, **Mitchell JD**, **Weyant MJ**, **Meguid R**, Gajdos C, Edil BH, McCarter M. *Ann Surg Oncol*. 2017 May; 24(5):1414-1418. doi: 10.1245/s10434-016-5742-x. PMID: 28058546

Hemocompatibility-Related Outcomes in the MOMENTUM 3 Trial at 6 Months: A Randomized Controlled Study of a Fully Magnetically Levitated Pump in Advanced Heart Failure. Uriel N, Colombo PC, **Cleveland JC**, Long JW, Salerno C, Goldstein DJ, Patel CB, Ewald GA, Tatoes AJ, Silvestry SC, John R, Caldeira C, Jeevanandam V, Boyle AJ, Sundareswaran KS, Sood P, Mehra MR. *Circulation*. 2017 May 23; 135(21):2003-2012. doi: 10.1161/CIRCULATIONAHA.117.028303. PMID: 28385948

Lysophosphatidylcholine activates the Akt pathway to upregulate extracellular matrix protein production in human aortic valve cells. Cheng H, Yao Q, Song R, Zhai Y, Wang W, **Fullerton DA**, **Meng X**. *J Surg Res*. 2017 Jun 1; 213:243-250. doi: 10.1016/j.jss.2017.02.028. PMID: 28601321

The Anesthetic Challenges of Lung Biopsy-Associated Intrathoracic Hemorrhage in a Child with Suprasystemic Pulmonary Hypertension. Clopton RG, Friesen R, Partrick D, Wilson N, **Jaggers J**, Ivy DD, Schwartz LI, Ing RJ. *Semin Cardiothorac Vasc Anesth*. 2017 Jun; 21(2):172-177. doi: 10.1177/1089253216672011. PMID: 27815350

Ex utero Intrapartum Treatment to Ventricular Pacing: A Novel Delivery Strategy for Complete Atrioventricular Block with Severe Bradycardia. Cuneo BF, **Mitchell MB**, Marwan AI, Green M, von Alvensleben JC, Reynolds R, Crombleholme TM, Galan HL. *Fetal Diagn Ther*. 2017 Jun 3. doi: 10.1159/000475815. PMID: 28578350

ACC/AHA/HFSA/ISHLT/ACP Advanced Training Statement on Advanced Heart Failure and Transplant Cardiology (Revision of the ACCF/AHA/ACP/HFSA/ISHLT 2010 Clinical Competence Statement on Management of Patients With Advanced Heart Failure and Cardiac Transplant): A Report of the ACC Competency Management Committee. Jessup M, Drazner MH, Book W, **Cleveland JC Jr**, Dauber I, Farkas S, Ginwalla M, Katz JN, Kirkwood P, Kittleson MM, Marine JE, Mather P, Morris AA, Polk DM, Sakr A, Schlendorf KH, Vorovich EE. *2017 Circ Heart Fail*. 2017 Jun; 10(6). pii: e000021. doi: 10.1161/HHF.0000000000000021. PMID: 28607153

ACC/AHA/HFSA/ISHLT/ACP Advanced Training Statement on Advanced Heart Failure and Transplant Cardiology (Revision of the ACCF/AHA/ACP/HFSA/ISHLT 2010 Clinical Competence Statement on Management of Patients With Advanced Heart Failure and Cardiac Transplant): A Report of the ACC Competency Management Committee. Jessup M, Drazner MH, Book W, **Cleveland JC Jr**, Dauber I, Farkas S, Ginwalla M, Katz JN, Kirkwood P, Kittleson MM, Marine JE, Mather P, Morris AA, Polk DM, Sakr A, Schlendorf KH, Vorovich EE. 2017 J Card Fail. 2017 Jun; 23(6):492-511. doi: 10.1016/j.cardfail.2017.04.004. PMID: 28454730

2017 ACC/AHA/HFSA/ISHLT/ACP Advanced Training Statement on Advanced Heart Failure and Transplant Cardiology (Revision of the ACCF/AHA/ACP/HFSA/ISHLT 2010 Clinical Competence Statement on Management of Patients With Advanced Heart Failure and Cardiac Transplant): A Report of the ACC Competency Management Committee. Jessup M, Drazner MH, Book W, **Cleveland JC Jr**, Dauber I, Farkas S, Ginwalla M, Katz JN, Kirkwood P, Kittleson MM, Marine JE, Mather P, Morris AA, Polk DM, Sakr A, Schlendorf KH, Vorovich EE. J Am Coll Cardiol. 2017 Jun 20; 69(24):2977-3001. doi: 10.1016/j.jacc.2017.03.001. PMID: 28284970

Perioperative Considerations for Chylothorax. Morabito J, Bell MT, Montenij LJ, Mayes LM, Pan Z, Dieleman JM, **Meguid RA**, Bartels K. J Cardiothorac Vasc Anesth. 2017 Jun 3. pii: S1053-0770(17)30527-X. doi: 10.1053/j.jvca.2017.06.001. PMID: 28939323

Dynamic Changes in Aortic Vascular Stiffness in Patients Bridged to Transplant With Continuous-Flow Left Ventricular Assist Devices. Patel AC, Dodson RB, Cornwell WK 3rd, Hunter KS, **Cleveland JC Jr**, Brieke A, Lindenfeld J, Ambardekar AV. JACC Heart Fail. 2017 Jun; 5(6):449-459. doi: 10.1016/j.jchf.2016.12.009. PMID: 28285118

International Participation in The Society of Thoracic Surgeons Adult Cardiac Surgery Database: From Institutional to National. Shapira OM, Blumenfeld O, Bolotin G, **Grover FL**, Shahian DM. Ann Thorac Surg. 2017 Jun; 103(6):1683-1686. doi: 10.1016/j.athoracsur.2017.01.010. PMID: 28528025

Neurotrophin 3 upregulates proliferation and collagen production in human aortic valve interstitial cells: a potential role in aortic valve sclerosis. Yao Q, Song R, Ao L, **Cleveland JC Jr**, **Fullerton DA**, **Meng X**. Am J Physiol Cell Physiol. 2017 Jun 1; 312(6):C697-C706. doi: 10.1152/ajpcell.00292.2016. PMID: 28356268

Procedural Experience for Transcatheter Aortic Valve Replacement and Relation to Outcomes: The STS/ACC TVT Registry. Carroll JD, Vemulapalli S, Dai D, Matsouaka R, Blackstone E, Edwards F, Masoudi FA, Mack M, Peterson ED, Holmes D, Rumsfeld JS, Tuzcu EM, **Grover F**. J Am Coll Cardiol. 2017 Jul 4; 70(1):29-41. doi: 10.1016/j.jacc.2017.04.056. PMID: 28662805

MOMENTUM 3 Investigators. Forward "MOMENTUM" in left ventricular assist systems: advanced engineering meets biology. **Cleveland JC**, Goldstein DJ, Uriel N, Mehra MR; J Thorac Dis. 2017 Jul; 9(7):E653-E655. doi: 10.21037/jtd.2017.06.72. PMID: 28840036

Spinal Cord Neurons Isolation and Culture from Neonatal Mice. Eldeiry M, Yamanaka K, **Reece TB**, **Aftab M**. J Vis Exp. 2017 Jul 11; (125). doi: 10.3791/55856. PMID: 28745627

Severe Aortic Valve Stenosis Due to Alkaptonuric Ochronosis. El-Sayed Ahmed MM, Hussain O, Ott DA, **Aftab M**. Semin Cardiothorac Vasc Anesth. 2017 Jul 1:1089253217720284. doi: 10.1177/1089253217720284. PMID: 28709382

ADAMTS5 Deficiency in Calcified Aortic Valves Is Associated With Elevated Pro-Osteogenic Activity in Valvular Interstitial Cells. Li F, Song R, Ao L, **Reece TB**, **Cleveland JC Jr**, Dong N, **Fullerton DA**, **Meng X**. Arterioscler Thromb Vasc Biol. 2017 Jul;37(7):1339-1351. doi: 10.1161/ATVBAHA.117.309021 PMID: 28546218

ADAMTS5 Deficiency in Calcified Aortic Valves Is Associated With Elevated Pro-Osteogenic Activity in Valvular Interstitial Cells. Li F, Song R, Ao L, **Reece TB**, **Cleveland JC Jr**, Dong N, **Fullerton DA**, **Meng X**. Arterioscler Thromb Vasc Biol. 2017 Jul;37(7):1339-1351. doi: 10.1161/ATVBAHA.117.309021. PMID: 28546218



Klotho suppresses high phosphate-induced osteogenic responses in human aortic valve interstitial cells through inhibition of Sox9. Li F, Yao Q, Ao L, **Cleveland JC Jr**, Dong N, **Fullerton DA**, **Meng X**. *J Mol Med (Berl)*. 2017 Jul; 95(7):739-751. doi: 10.1007/s00109-017-1527-3. PMID: 28332126

Interleukin-37 suppresses the inflammatory response to protect cardiac function in old endotoxemic mice. Li J, Zhai Y, Ao L, Hui H, **Fullerton DA**, Dinarello CA, Meng X. *Cytokine*. 2017 Jul; 95:55-63. doi: 10.1016/j.cyto.2017.02.008. PMID: 28237874

An institutional analysis of unplanned return to the operating room to identify areas for quality improvement. Lin Y, **Meguid RA**, Hosokawa PW, Henderson WG, Hammermeister KE, Schulick RD, Shelstad RC, Wild TT, McIntyre RC Jr. *Am J Surg*. 2017 Jul; 214(1):1-6. doi: 10.1016/j.amjsurg.2016.10.021. PMID: 28057294

Pediatric dilated cardiomyopathy hearts display a unique gene expression profile. Tatman PD, Woulfe KC, Karimpour-Fard A, Jeffrey DA, **Jaggers J**, **Cleveland JC**, Nunley K, Taylor MR, Miyamoto SD, Stauffer BL, Sucharov CC. *JCI Insight*. 2017 Jul 2017; 2(14). pii: 94249. doi: 10.1172/jci.insight.94249. PMID: 28724804

Neuroprotection Strategies in Aortic Surgery. Bergeron EJ, Mosca MS, **Aftab M**, Justison G, **Reece TB**. *Cardiol Clin*. 2017 Aug; 35(3):453-465. doi: 10.1016/j.ccl.2017.03.011. PMID: 28683913

The Colorado Humanitarian Surgical Skills Workshop: A Cadaver-Based Workshop to Prepare Residents for Surgery in Austere Settings. Lin Y, Mukhopadhyay S, **Meguid RA**, Kuwayama DP. *J Surg Educ*. 2017 Aug 29. pii: S1931-7204(17)30231-3. doi: 10.1016/j.jsurg.2017.08.009. PMID: 28864266

Veterans Affairs ROOBY-FS Group. Five-Year Outcomes after On-Pump and Off-Pump Coronary-Artery Bypass. Shroyer AL, Hattler B, Wagner TH, Collins JF, Baltz JH, Quin JA, Almassi GH, Kozora E, Bakaeen F, **Cleveland JC Jr**, Bishawi M, **Grover FL**; N Engl J Med. 2017 Aug 17; 377(7):623-632. doi: 10.1056/NEJMoa1614341. PMID: 28813218

Aortic Arch Pathology: Surgical Options for the Aortic Arch Replacement. Zanotti G, **Reece TB**, **Aftab M**. *Cardiol Clin*. 2017 Aug; 35(3):367-385. doi: 10.1016/j.ccl.2017.03.006. PMID: 28683908

Functional survival: Alive and better. **Cleveland JC Jr**. *J Thorac Cardiovasc Surg*. 2017 Sep 18. pii: S0022-5223(17)31950-5. doi: 10.1016/j.jtcvs.2017.09.033. PMID: 28992968

Acute DeBakey Type I Dissection Repair Using Frozen Elephant Trunk: The Cleveland Clinic Technique. **Aftab M**, Plichta R, Roselli EE. *Semin Cardiothorac Vasc Anesth*. 2017 Sep; 21(3):200-205. doi: 10.1177/1089253216676090. PMID: 28758558

Adjuvant Systemic Therapy and Adjuvant Radiation Therapy for Stage I to IIIA Completely Resected Non-Small-Cell Lung Cancers: American Society of Clinical Oncology/Cancer Care Ontario Clinical Practice Guideline Update. Kris MG, Gaspar LE, Chaft JE, Kennedy EB, Azzoli CG, Ellis PM, Lin SH, Pass HI, Seth R, Shepherd FA, Spigel DR, Strawn JR, Ung YC, **Weyant M**. *J Clin Oncol*. 2017 Sep 1; 35(25):2960-2974. doi: 10.1200/JCO.2017.72.4401. PMID: 28437162

Pharmacologic Protection of Mitochondrial DNA Integrity May Afford a New Strategy for Suppressing Lung Ischemia-Reperfusion Injury. Tan YB, Mulekar S, Gorodnya O, **Weyant MJ**, Zamora MR, Simmons JD, Machuka T, Gillespie MN. *Ann Am Thorac Soc*. 2017 Sep; 14(Supplement\_3):S210-S215. doi: 10.1513/AnnalsATS.201706-438MG. PMID: 28945469

## **2016**

Downstaging of Non-Small-Cell Lung Cancer Through Identification of Reversible Drug Toxicity. Browning ET, Huckleberry JM, Barrow WB, Restauri NL, Kemme DJ, Cool CD, **Weyant MJ**, Franklin WA, Camidge DR. *J Clin Oncol*. 2016 Jan 10; 34(2):e6-8. doi: 10.1200/JCO.2013.51.6930. PMID: 24799494

Acute ischaemic heart block in hypoplastic left heart syndrome. Burkett DA, Wilson N, **Mitchell MB**, Younoszai AK. *Cardiol Young*. 2016 Jan; 26(1):151-4. doi: 10.1017/S1047951114002558. PMID: 25531744

Penetration, Completeness, and Representativeness of The Society of Thoracic Surgeons Adult Cardiac Surgery Database. Jacobs JP, Shahian DM, He X, O'Brien SM, Badhwar V, **Cleveland JC Jr**, Furnary AP, Magee MJ, Kurlansky PA, Rankin JS, Welke KF, Filardo G, Dokholyan RS, Peterson ED, Brennan JM, Han JM, McDonald D, Schmitz D, Edwards FH, Prager RL, **Grover FL**. *Ann Thorac Surg*. 2016 Jan; 101(1):33-41; discussion 41. doi: 10.1016/j.athoracsur.2015.08.055. PMID: 26542437

Must Surgeons in Training Programs Allow Residents to Operate on Their Patients to Satisfy Board Requirements? Ohye RG, **Jaggers JJ**, Sade RM. *Ann Thorac Surg*. 2016 Jan; 101(1):18-23. doi: 10.1016/j.athoracsur.2015.08.049. PMID: 26694262

Aortic Translocation for Repair of Transposition of the Great Arteries (S,D,L) With Ventricular Septal Defect and Pulmonic Stenosis. Reeves JG, Montesa C, Fonseca B, **Mitchell MB**. *Ann Thorac Surg*. 2016 Jan; 101(1):357-9. doi: 10.1016/j.athoracsur.2015.02.102. PMID: 26694279

Society of Thoracic Surgeons. The Society of Thoracic Surgeons Clinical Practice Guidelines on Arterial Conduits for Coronary Artery Bypass Grafting. Aldea GS, Bakaeen FG, **Pal J**, Fremes S, Head SJ, Sabik J, Rosengart T, Kappetein AP, Thourani VH, Firestone S, **Mitchell JD**; *Ann Thorac Surg*. 2016 Feb; 101(2):801-9. doi: 10.1016/j.athoracsur.2015.09.100. PMID: 26680310

STS/ACC TVT Registry. Annual Outcomes with Transcatheter Valve Therapy: From the STS/ACC TVT Registry. Holmes DR Jr, Nishimura RA, **Grover FL**, Brindis RG, Carroll JD, Edwards FH, Peterson ED, Rumsfeld JS, Shahian DM, Thourani VH, Tuzcu EM, Vemulapalli S, Hewitt K, Michaels J, Fitzgerald S, Mack MJ; *Ann Thorac Surg*. 2016 Feb; 101(2):789-800. PMID: 27175453

Neoadjuvant combination chemotherapy for unresectable stage III non-small cell lung cancer. Bunn PA Jr, Gaspar LE, **Weyant MJ**, **Mitchell JD**. *Cancer*. 2016 Mar 1; 122(5):674-5. doi: 10.1002/cncr.29797. PMID: 26700372

Interleukin 6 production during cardiac surgery correlates with increasing age. Howell KW, **Cleveland JC Jr**, **Meng X**, Ao L, Su X, Schwartz RS, **Fullerton DA**. *J Surg Res*. 2016 Mar; 201(1):76-81. doi: 10.1016/j.jss.2015.10.016. PMID: 26850187

Secondary Reverse Slide Tracheoplasty for Airway Rescue. Kopelovich JC, Wine TM, Rutter MJ, **Mitchell MB**, Prager JD. *Ann Thorac Surg*. 2016 Mar; 101(3):1205-7. doi: 10.1016/j.athoracsur.2015.08.031. Review. PMID: 26897214

Outcome of the Joint Council of Thoracic Surgery Education's Early Review Course Project. Allen MS, Calhoon JH, **Fullerton D**, Shemin R, Naunheim K, Verrier E, Doty J, Mathisen DJ. *Ann Thorac Surg*. 2016 Apr; 101(4):1564-8. doi: 10.1016/j.athoracsur.2015.11.027. PMID: 26897319

Steering Committee of the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry. Development and Validation of a Risk Prediction Model for In-Hospital Mortality After Transcatheter Aortic Valve Replacement. Edwards FH, Cohen DJ, O'Brien SM, Peterson ED, Mack MJ, Shahian DM, **Grover FL**, Tuzcu EM, Thourani VH, Carroll J, Brennan JM, Brindis RG, Rumsfeld J, Holmes DR Jr; *JAMA Cardiol*. 2016 Apr 1; 1(1):46-52. doi: 10.1001/jamacardio.2015.0326. PMID: 27437653

Midterm Survival and Quality of Life after Extent II Thoracoabdominal Aortic Repair in Marfan Syndrome. Ghanta RK, Green SY, Price MD, Arredondo CC, Wainwright D, Preventza O, de la Cruz KI, **Aftab M**, LeMaire SA, Coselli JS. *Ann Thorac Surg*. 2016 Apr; 101(4):1402-9; discussion 1409. doi: 10.1016/j.athoracsur.2015.10.018. PMID: 26794897

Concomitant surgical cryoablation for refractory ventricular tachycardia and left ventricular assist device placement: a dual remedy but a recipe for thrombosis? McIlvennan CK, **Babu AN**, Brieke A, Ambardekar AV. *J Cardiothorac Surg*. 2016 Apr 11; 11(1):53. doi: 10.1186/s13019-016-0451-x. PMID: 27067868

Aortic Valve Sparing Root Replacement With Unroofing and Reconstruction of an Anomalous Right Coronary Artery. Zanotti G, Gupta R, **Reece TB, Campbell DN, Jagers J, Babu A**. Ann Thorac Surg. 2016 May; 101(5):1980-2. doi: 10.1016/j.athoracsur.2015.07.065. PMID: 27106435

Multiple Coronary Artery Aneurysms of the Right Coronary Artery in Neonate with Pulmonary Atresia with Intact Ventricular Septum. Bremen C, **Campbell DN**, Browne L, Jone PN. Echocardiography. 2016 Jun; 33(6):936-938. doi: 10.1111/echo.13191. PMID: 26857432

Bringing Quantitative Risk Assessment Closer to the Patient and Surgeon: A Novel Approach to Improve Outcomes. Hammermeister KE, Henderson WG, Bronsert MR, Juarez-Colunga E, **Meguid RA**. Ann Surg. 2016 Jun; 263(6):1039-41. doi: 10.1097/SLA.0000000000001668. PMID: 27167560

Surgical Risk Preoperative Assessment System (SURPAS): I. Parsimonious, Clinically Meaningful Groups of Postoperative Complications by Factor Analysis. **Meguid RA**, Bronsert MR, Juarez-Colunga E, Hammermeister KE, Henderson WG. Ann Surg. 2016 Jun; 263(6):1042-8. doi: 10.1097/SLA.0000000000001669. PMID: 26954897

Characterizing the Operative Experience of Cardiac Surgical Trainees: What Are Residents Really Doing in the Operating Room? Shah AA, **Aftab M**, Tchantchaleishvili V, LaPar DJ, Stephens EH, Walters DM, DeNino WF, Odell DD, Robich M, Cevasco M, Eilers AL, Gillaspie EA, Goldstone A, Malas T, Rice RD, Shelstad RC, Andersen ND. Ann Thorac Surg. 2016 Jun; 101(6):2341-9. doi: 10.1016/j.athoracsur.2015.12.069. PMID: 27021035

Use of short roll C-arm computed tomography and fully automated 3D analysis tools to guide transcatheter aortic valve replacement. Kim MS, Bracken J, Eshuis P, Chen SY, **Fullerton D, Cleveland J**, Messenger JC, Carroll JD. Int J Cardiovasc Imaging. 2016 Jul; 32(7):1145-52. doi: 10.1007/s10554-016-0886-0. PMID: 27091735

Surgical Risk Preoperative Assessment System (SURPAS): II. Parsimonious Risk Models for Postoperative Adverse Outcomes Addressing Need for Laboratory Variables and Surgeon Specialty-specific Models. **Meguid RA**, Bronsert MR, Juarez-Colunga E, Hammermeister KE, Henderson WG. Ann Surg. 2016 Jul; 264(1):10-22. doi: 10.1097/SLA.0000000000001677. PMID: 26945154

Surgical Risk Preoperative Assessment System (SURPAS): III. Accurate Preoperative Prediction of 8 Adverse Outcomes Using 8 Predictor Variables. **Meguid RA**, Bronsert MR, Juarez-Colunga E, Hammermeister KE, Henderson WG. Ann Surg. 2016 Jul; 264(1):23-31. doi: 10.1097/SLA.0000000000001678. PMID: 26928465

Reply to Letter: "Redesigning ACS-NSQIP Data Collection and Reports Will This Translate Into Better Outcomes?" **Meguid RA**, Henderson WG, Juarez-Colunga E, Hammermeister KE, Bronsert MR. Ann Surg. 2016 Jul 22. PMID: 27455154

Transthoracic Anastomotic Leak after Esophagectomy: Current Trends. Ryan CE, Paniccia A, **Meguid RA**, McCarter MD. Ann Surg Oncol. 2017 Jan; 24(1):281-290. doi: 10.1245/s10434-016-5417-7. PMID: 27406098

Gender and Cardiothoracic Surgery Training: Specialty Interests, Satisfaction, and Career Pathways. Stephens EH, Robich MP, Walters DM, DeNino WF, **Aftab M**, Tchantchaleishvili V, Eilers AL, Rice RD, Goldstone AB, Shlestad RC, Malas T, Cevasco M, Gillaspie EA, Fiedler AG, LaPar DJ, Shah AA. Ann Thorac Surg. 2016 Jul; 102(1):200-6. doi: 10.1016/j.athoracsur.2016.03.043. PMID: 27157051

Invited Commentary. **Aftab M, Reece TB**. Ann Thorac Surg. 2016 Aug; 102(2):532-3. doi: 10.1016/j.athoracsur.2016.03.002. PMID: 27449426

The Future of the Academic Cardiothoracic Surgeon: Results of the TSRA/TSDA In-Training Examination Survey. Stephens EH, Shah AA, Robich MP, Walters DM, DeNino WF, **Aftab M**, Tchantchaleishvili V, Eilers AL, Rice RD, Goldstone AB, Shelstad RC, Malas T, Cevasco M, Gillaspie EA, LaPar DJ. Ann Thorac Surg. 2016 Aug; 102(2):643-50. doi: 10.1016/j.athoracsur.2016.01.106. PMID: 27131899

Rapamycin Decreases the Osteogenic Response in Aortic Valve Interstitial Cells Through the Stat3 Pathway. Deng XS, **Meng X**, Song R, **Fullerton D**, **Jaggers J**. Ann Thorac Surg. 2016 Oct; 102(4):1229-38. doi: 10.1016/j.athoracsur.2016.03.033. PMID: 27209607

The Society of Thoracic Surgeons General Thoracic Surgery Database: 2016 Update on Research. Gaisert HA, Fernandez FG, Allen MS, Burfeind WR, Block MI, Donahue JM, **Mitchell JD**, Schipper PH, Onaitis MW, Kosinski AS, Jacobs JP, Shahian DM, Kozower BD, Edwards FH, Conrad EA, Patterson GA. Ann Thorac Surg. 2016 Nov; 102(5):1444-1451. doi: 10.1016/j.athoracsur.2016.09.014. Review. PMID: 27772572

A Multicenter Trial of a Shared Decision Support Intervention for Patients and Their Caregivers Offered Destination Therapy for Advanced Heart Failure: DECIDE-LVAD: Rationale, Design, and Pilot Data. McIlvennan CK, Thompson JS, Matlock DD, **Cleveland JC Jr**, Dunlay SM, LaRue SJ, Lewis EF, Patel CB, Walsh MN, Allen LA. J Cardiovasc Nurs. 2016 Nov/Dec; 31(6):E8-E20. PMID: 27203272

Pulmonary valve replacement for congenital heart disease: What valve substitute should we be using? **Mitchell MB**. J Thorac Cardiovasc Surg. 2016 Nov; 152(5):1230-1232. doi: 10.1016/j.jtcvs.2016.07.031. PMID: 27637425  
Nutritional support in adults with chyle leaks. Sriram K, **Meguid RA**, Meguid MM. Nutrition. 2016 Feb; 32(2):281-6. doi: 10.1016/j.nut.2015.08.002. Review. PMID: 26472113

Attenuated recovery of contractile function in aging hearts following global ischemia/reperfusion: Role of extracellular HSP27 and TLR4. Ao L, Zhai Y, Jin C, **Cleveland JC**, **Fullerton DA**, **Meng X**. Mol Med. 2016 Dec 19; 23. doi: 10.2119/molmed.2016.00204. PMID: 28079228

Invited Commentary. **Fullerton DA**. Ann Thorac Surg. 2016 Dec; 102(6):2126. doi: 10.1016/j.athoracsur.2016.09.096. PMID: 27847047

The Society of Thoracic Surgeons National Database 2016 Annual Report. Jacobs JP, Shahian DM, Prager RL, Edwards FH, McDonald D, Han JM, D'Agostino RS, Jacobs ML, Kozower BD, Badhwar V, Thourani VH, Gaisert HA, Fernandez FG, Wright CD, Paone G, **Cleveland JC Jr**, Brennan JM, Dokholyan RS, Brothers L, Vemulapalli S, Habib RH, O'Brien SM, Peterson ED, **Grover FL**, Patterson GA, Bavaria JE. Ann Thorac Surg. 2016 Dec; 102(6):1790-1797. doi: 10.1016/j.athoracsur.2016.10.015. PMID: 27847042

## **2015**

Transplantation in the Fontan patient. Mauchley DC, **Mitchell MB**. Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu. 2015; 18(1):7-16. doi: 10.1053/j.pcsu.2015.01.001. Review. PMID: 25939837

VA #517 Randomized On/Off Bypass (ROOBY) Study Group. Postoperative atrial fibrillation impacts on costs and one-year clinical outcomes: the Veterans Affairs Randomized On/Off Bypass Trial. Almassi GH, Wagner TH, Carr B, Hattler B, Collins JF, Quin JA, Ebrahimi R, **Grover FL**, Bishawi M, Shroyer AL; Ann Thorac Surg. 2015 Jan; 99(1):109-14. doi: 10.1016/j.athoracsur.2014.07.035. PMID: 25442992

C-terminal tensin-like protein mediates invasion of human lung cancer cells and is regulated by signal transducer and activator of transcription 3. Bennett DT, **Reece TB**, Foley LS, Sjoberg A, **Meng X**, **Fullerton DA**, **Weyant MJ**. J Thorac Cardiovasc Surg. 2015 Jan; 149(1):369-75. doi: 10.1016/j.jtcvs.2014.08.087. PMID: 25439778

Noteworthy literature in cardiac surgery for 2014. **Cleveland JC Jr**, **Reece TB**. Semin Cardiothorac Vasc Anesth. 2015 Mar; 19(1):21-3. doi: 10.1177/1089253214568531. PMID: 25634929

Adult aortic valve interstitial cells have greater responses to toll-like receptor 4 stimulation. Deng XS, **Meng X**, Zeng Q, **Fullerton D**, **Mitchell M**, **Jaggers J**. Thorac Surg. 2015 Jan; 99(1):62-71. doi: 10.1016/j.athoracsur.2014.07.027. PMID: 25442996

Zhang Z, Kolm P, Grau-Sepulveda MV, Ponirakis A, O'Brien SM, Klein LW, Shaw RE, McKay C, Shahian DM, Grover FL, Mayer JE, Garratt KN, Hlatky M, Edwards FH, Weintraub WS. Cost-effectiveness of revascularization strategies: the ASCERT study. *J Am Coll Cardiol*. 2015 Jan 6; 65(1):1-11. doi: 10.1016/j.jacc.2014.09.078. PMID: 5572503

Spinal cord protection via alpha-2 agonist-mediated increase in glial cell-line-derived neurotrophic factor. Freeman KA, **Fullerton DA**, Foley LS, Bell MT, **Cleveland JC Jr**, **Weyant MJ**, Mares J, **Meng X**, Puskas F, **Reece TB**. *J Thorac Cardiovasc Surg*. 2015 Feb; 149(2):578-84; discussion 584-6. doi: 10.1016 /j.jtcvs. 2014.10.037. PMID: 25454921

SCAI/AATS/ACC/STS Operator and Institutional Requirements for Transcatheter Valve Repair and Replacement, Part III: Pulmonic Valve. Society for Cardiovascular Angiography and Interventions; American Association for Thoracic Surgery; American College of Cardiology; Society of Thoracic Surgeons. Hijazi ZM, Ruiz CE, Zahn E, Ringel R, Aldea GS, Bacha EA, Bavaria J, Bolman RM 3rd, Cameron DE, Dean LS, Feldman T, **Fullerton D**, Horlick E, Mack MJ, Miller DC, Moon MR, Mukherjee D, Trento A, Tommaso CL; *Ann Thorac Surg*. 2015; 99(5):1857-64. doi: 10.1016/j.athoracsur.2014.12.088. PMID: 25817888

Erythropoietin activates the phosphorylated cAMP [adenosine 3'5' cyclic monophosphate] response element-binding protein pathway and attenuates delayed paraplegia after ischemia-reperfusion injury. Mares JM, Foley LS, Bell MT, Bennett DT, Freeman KA, Meng X, Weyant MJ, Cleveland JC Jr, Fullerton DA, Puskas F, Reece TB. *J Thorac Cardiovasc Surg*. 2015 Mar; 149(3):920-4. doi: 10.1016/j.jtcvs.2014.11.011. PMID: 25500291

Ex-utero intrapartum treatment as a novel bridging strategy to surgery in hypoplastic left heart syndrome with intact atrial septum-cross-circulation revisited. Peng E, Howley L, Cromblehome TM, **Jaggers J**. *J Thorac Cardiovasc Surg*. 2015 Mar; 149(3):935-7. doi: 10.1016/j.jtcvs.2014.11.053. PMID: 25595375

Successful surgical repair of a massive window duct in a 1-month old with aniridia and pulmonary interstitial glycogenosis. Siomos AK, **Mitchell MB**, Fonseca BM. *Cardiol Young*. 2015 Mar; 25(3):594-6. doi: 10.1017/S1047951114000833. PMID: 24848376

The year in thoracic surgery: highlights from 2014. **Weyant MJ**. *Semin Cardiothorac Vasc Anesth*. 2015 Mar; 19(1):24-8. doi: 10.1177/1089253215571133. PMID: 25667305

Toll-like receptor 4 mediates the inflammatory responses and matrix protein remodeling in remote non-ischemic myocardium in a mouse model of myocardial ischemia and reperfusion. Zhai Y, Ao L, **Cleveland JC**, Zeng Q, **Reece TB**, **Fullerton DA**, **Meng X**. *PLoS One*. 2015 Mar 30; 10(3):e0121853. doi: 10.1371/journal.pone.0121853. eCollection 2015. PMID: 25823011

Activation of TLR3 induces osteogenic responses in human aortic valve interstitial cells through the NF- $\kappa$ B and ERK1/2 pathways. Zhan Q, Song R, Zeng Q, Yao Q, Ao L, Xu D, **Fullerton DA**, **Meng X**. *Int J Biol Sci*. 2015 Mar 20; 11(4):482-93. doi: 10.7150/ijbs.10905. eCollection 2015. PMID: 25798067

Invited commentary. **Cleveland JC Jr**. *Ann Thorac Surg*. 2015 Apr; 99(4):1334. doi: 10.1016 /j.athoracsur.2014.10.047. PMID: 25841816

BMP-2 and TGF- $\beta$ 1 mediate biglycan-induced pro-osteogenic reprogramming in aortic valve interstitial cells. Song R, **Fullerton DA**, Ao L, Zheng D, Zhao KS, **Meng X**. *J Mol Med (Berl)*. 2015 Apr; 93(4):403-12. doi: 10.1007/s00109-014-1229-z. PMID: 25412776

Alpha-2 agonist attenuates ischemic injury in spinal cord neurons. Freeman KA, Puskas F, Bell MT, Mares JM, Foley LS, **Weyant MJ**, **Cleveland JC Jr**, **Fullerton DA**, **Meng X**, Herson PS, **Reece TB**. *J Surg Res*. 2015 May 1; 195(1):21-8. doi: 10.1016/j.jss.2014.12.033. PMID: 25655994

SCAI/AATS/ACC/STS operator and institutional requirements for transcatheter valve repair and replacement, part III: Pulmonic valve. Hijazi ZM, Ruiz CE, Zahn E, Ringel R, Aldea GS, Bacha EA, Bavaria J, Bolman RM 3rd, Cameron DE, Dean LS, Feldman T, **Fullerton D**, Horlick E, Mack MJ, Miller DC, Moon MR, Mukherjee D, Trento A, Tommaso CL; Society for Cardiovascular angiography and Interventions; American College of Cardiology; American Association for Thoracic Surgery; Society of Thoracic Surgeons. *J Thorac Cardiovasc Surg*. 2015 May; 149(5):e71-8. doi: 10.1016/j.jtcvs.2015.02.058. Review. PMID: 25816957

Current estimate of costs of lung cancer screening in the United States. Mauchley DC, **Mitchell JD**. *Thorac Surg Clin*. 2015 May; 25(2):205-15. doi: 10.1016/j.thorsurg.2014.12.005. Review. PMID: 25901564  
Mitchell MB. Pulmonary venous obstruction in the single ventricle patient: Possible causes, possible solutions. *J Thorac Cardiovasc Surg*. 2015 May; 149(5):1245-6. doi: 10.1016/j.jtcvs.2015.01.012. PMID: 25680748

Surgical approach to pulmonary nontuberculous mycobacterial infections. **Mitchell JD**. *Clin Chest Med*. 2015 Mar; 36(1):117-22. doi: 10.1016/j.ccm.2014.11.004. Review. PMID: 25676524

The Society of Thoracic Surgeons Adult Cardiac Surgery Database: The Driving Force for Improvement in Cardiac Surgery. Winkley Shroyer AL, Bakaeen F, Shahian DM, Carr BM, Prager RL, Jacobs JP, Ferraris V, Edwards F, **Grover FL**. *Semin Thorac Cardiovasc Surg*. 2015 Summer; 27(2):144-51. doi: 10.1053/j.semtcvs.2015.07.007. PMID: 26686440

50th Anniversary Landmark Commentary on Oldham. HN Jr, Ebert PA, Young WG, Sabiston DC Jr. Surgical Management of Congenital Coronary Artery Fistula. **Grover, FL**. *Ann Thorac Surg* 1971; 12:503-13. *Ann Thorac Surg*. 2015 Jun; 99(6):1875. doi:10.1016/j.athoracsur.2015.04.068. No abstract available. PMID: 26046853

SCAI/AATS/ACC/STS Operator and Institutional Requirements for Transcatheter Valve Repair and Replacement, Part III: Pulmonic Valve. Hijazi ZM, Ruiz CE, Zahn E, Ringel R, Aldea GS, Bacha EA, Bavaria J, Bolman RM 3rd, Cameron DE, Dean LS, Feldman T, **Fullerton D**, Horlick E, Mack MJ, Miller DC, Moon MR, Mukherjee D, Trento A, Tommaso CL. *J Am Coll Cardiol*. 2015 Jun 16; 65(23):2556-63. doi: 10.1016/j.jacc.2015.02.031. Review. PMID: 25819263

Three-dimensional echocardiography enhances diagnostic accuracy of supramitral ring. Jone PN, Bremen C, DiMaria M, Campbell DN, **Jaggers J**, Younoszai A, Ivy DD. *Echocardiography*. 2015 Jun; 32(6):1048-50. doi: 10.1111/echo.12867. PMID: 25496227

Implantation of the subcutaneous implantable cardioverter-defibrillator with retroperitoneal generator placement in a child with hypoplastic left heart syndrome. Reeves JG, Kim JS, **Mitchell MB**, McCanta AC. *HeartRhythm Case Rep*. 2015 Jun 12; 1(4):176-179. doi: 10.1016/j.hrcr.2015.01.016. eCollection 2015 Jul. No abstract available. PMID: 28491542

Spinal Cord Ischemia-Reperfusion Injury Induces mitralpoietin Receptor Expression. SFoley LS, **Fullerton DA**, Bennett DT, Freeman KA, Mares J, Bell MT, **Cleveland JC Jr**, **Weyant MJ**, **Meng X**, Puskas F, **Reece TB**. *Ann Thorac Surg*. 2015 Jul; 100(1):41-6; discussion 46. doi: 10.1016/j.athoracsur.2015.01.027. PMID: 25865765

SCAI/AATS/ACC/STS operator and institutional requirements for transcatheter valve repair and replacement, Part III: Pulmonic valve. Hijazi ZM, Ruiz CE, Zahn E, Ringel R, Aldea GS, Bacha EA, Bavaria J, Bolman RM 3rd, Cameron DE, Dean LS, Feldman T, **Fullerton D**, Horlick E, Mack MJ, Miller DC, Moon MR, Mukherjee D, Trento A, Tommaso CL. *Catheter Cardiovasc Interv*. 2015 Jul; 86(1):85-93. doi: 10.1002/ccd.25710. Review. PMID: 25809590

Gender disparity in the role of TLR2 in post-ischemic myocardial inflammation and injury. Li J, Ao L, Zhai Y, **Cleveland JC**, **Fullerton DA**, **Meng X**. *Int J Clin Exp Med*. 2015 Jul 15; 8(7):10537-47. eCollection 2015. PMID: 26379843

Effect of Pregnancy on Adverse Outcomes after General Surgery. Moore HB, Juarez-Colunga E, Bronsert M, Hammermeister KE, Henderson WG, Moore EE, **Meguid RA**. *JAMA Surg*. 2015 Jul; 150(7):637-43. doi: 10.1001/jamasurg.2015.91. PMID: 25969946

Respiratory Failure in a Pediatric Patient with Biventricular Assist Devices: Identification and Novel Management of Inflow Cannula Obstruction. Stidham TR, Auerbach SR, **Mitchell MB**, Buckvold SM. *ASAIO J.* 2015 Jul-Aug; 61(4):e26-8. doi: 10.1097/MAT.0000000000000217. PMID: 26039554

Clinical indicators of paraplegia underplay universal spinal cord neuronal injury from transient aortic occlusion. Bell MT, Puskas F, Bennett DT, **Cleveland JC Jr**, Herson PS, Mares JM, **Meng X**, **Weyant MJ**, **Fullerton DA**, **Brett Reece T**. *Brain Res.* 2015 Aug 27; 1618:55-60. doi: 10.1016/j.brainres.2015.04.053. PMID: 26005132

Continued Utility of Single-Lung Transplantation in Select Populations: Chronic Obstructive Pulmonary Disease. Bennett DT, Zamora M, **Reece TB**, **Mitchell JD**, **Cleveland JC Jr**, **Grover FL**, **Babu AN**, **Meguid RA**, **Fullerton DA**, **Weyant MJ**. *Ann Thorac Surg.* 2015 Aug; 100(2):437-42. doi: 10.1016/j.athoracsur.2015.03.024. PMID: 26141775

Association between Intraoperative Hypotension and Hypertension and 30-day Postoperative Mortality in Noncardiac Surgery. *Anesthesiology.* Monk TG, Bronsert MR, Henderson WG, Mangione MP, Sum-Ping ST, Bentt DR, Nguyen JD, Richman JS, **Meguid RA**, Hammermeister KE. 2015 Aug; 123(2):307-19. doi: 10.1097/ALN.0000000000000756. Erratum in: *Anesthesiology.* 2016 Mar; 124(3):741-2. PMID: 26083768

Three-Sinus Repair of Elastin Arteriopathy Associated Supraaortic Pulmonary Stenosis with Bilateral Branch Pulmonary Artery Involvement. Peng E, **Campbell DN**, **Jaggers J**, **Mitchell MB**. *Ann Thorac Surg.* 2015 Aug; 100(2):741-3. doi: 10.1016/j.athoracsur.2015.02.098. PMID: 26234860

Changes in Aortic Wall Structure, Composition, and Stiffness with Continuous-Flow Left Ventricular Assist Devices: A Pilot Study. Ambardekar AV, Hunter KS, **Babu AN**, Tuder RM, Dodson RB, Lindenfeld J. *Circ Heart Fail.* 2015 Sep; 8(5):944-52. doi: 10.1161/CIRCHEARTFAILURE.114.001955. PMID: 26136459

50th Anniversary Landmark Commentary on Adkins PC, Orthner HF. The Society of Thoracic Surgeons Manpower Survey for 1976: a summary. **Fullerton DA**. *Ann Thorac Surg* 1979; 28:407-12. *Ann Thorac Surg.* 2015 Sep; 100(3):776. doi: 10.1016/j.athoracsur.2015.07.050. PMID: 26354619

The Society of Thoracic Surgeons Congenital Heart Surgery Database Mortality Risk Model: Part 2-Clinical Application. Jacobs JP, O'Brien SM, Pasquali SK, Gaynor JW, Mayer JE Jr, Karamlou T, Welke KF, Filardo G, Han JM, Kim S, Quintessenza JA, Pizarro C, Tchervenkov CI, Lacour-Gayet F, Mavroudis C, Backer CL, Austin EH 3rd, Fraser CD, Tweddell JS, Jonas RA, Edwards FH, **Grover FL**, Prager RL, Shahian DM, Jacobs ML. *Ann Thorac Surg.* 2015 Sep; 100(3):1063-8; discussion 1068-70. doi: 10.1016/j.athoracsur.2015.07.011. PMID: 26245504

The Society of Thoracic Surgeons voluntary public reporting initiative: the first 4 years. Shahian DM, **Grover FL**, Prager RL, Edwards FH, Filardo G, O'Brien SM, He X, Furnary AP, Rankin JS, Badhwar V, **Cleveland JC Jr**, Fazzalari FL, Magee MJ, Han J, Jacobs JP. *Ann Surg.* 2015 Sep; 262(3):526-35; discussion 533-5. doi: 10.1097/SLA.0000000000001422. PMID: 26258322.

Over-expression of neurotrophin 3 in human aortic valves affected by calcific disease induces the osteogenic responses via the Trk-Akt pathway. Yao Q, Song R, Ao L, Zhan Q, **Cleveland JC Jr**, Yu X, **Fullerton DA**, **Meng X**. *Biochim Biophys Acta.* 2015 Sep; 1852(9):1940-9. doi: 10.1016/j.bbdis.2015.06.021. PMID: 26122822

Subtle but serious: Pulmonary support after cardiac surgery. Bartels K, **Babu AN**, Fernandez-Bustamante A. *J Crit Care.* 2015 Oct; 30(5):1126. doi: 10.1016/j.jccr.2015.05.033. No abstract available. PMID: 26117218

The Society of Thoracic Surgeons Composite Measure of Individual Surgeon Performance for Adult Cardiac Surgery: A Report of The Society of Thoracic Surgeons Quality Measurement Task Force. Shahian DM, He X, Jacobs JP, Kurlansky PA, Badhwar V, **Cleveland JC Jr**, Fazzalari FL, Filardo G, Normand SL, Furnary AP, Magee MJ, Rankin JS, Welke KF, Han J, O'Brien SM. *Ann Thorac Surg.* 2015 Oct; 100(4):1315-24; discussion 1324-5. doi: 10.1016/j.athoracsur.2015.06.122. PMID: 26330012

Promotion of progressive mobility activities with ventricular assist and extracorporeal membrane oxygenation devices in a cardiothoracic intensive care unit. Chavez J, Bortolotto SJ, Paulson M, Huntley N, Sullivan B, **Babu A**. *Dimens Crit Care Nurs*. 2015 Nov-Dec; 34(6):348-55. doi: 10.1097/DCC.000000000000141. PMID: 26436301

Spontaneous Pulmonary Torsion Secondary to Left Upper Lobe Malignancy. Bell MT, Kelmenson DA, Vargas D, **Meguid RA**. *J Thorac Oncol*. 2015 Nov; 10(11):1653-4. doi: 10.1097/JTO.0000000000000573. No abstract available. PMID: 26536197

Chest Wall Resection and Reconstruction: Management of Complications. Hazel K, **Weyant MJ**. *Thorac Surg Clin*. 2015 Nov; 25(4):517-21. doi: 10.1016/j.thorsurg.2015.07.013. Review. PMID: 26515951

Reducing the Footprint of Postoperative Complications. **Mitchell JD**. *Thorac Surg Clin*. 2015 Nov; 25(4): xiii. doi: 10.1016/j.thorsurg.2015.08.001. No abstract available. PMID: 26515953

Transapical and Transaortic Transcatheter Aortic Valve Replacement in the United States. Thourani VH, Jensen HA, Babaliaros V, Suri R, Vemulapalli S, Dai D, Brennan JM, Rumsfeld J, Edwards F, Tuzcu EM, Svensson L, Szeto WY, Herrmann H, Kirtane AJ, Kodali S, Cohen DJ, Lerakis S, Devireddy C, Sarin E, Carroll J, Holmes D, **Grover FL**, Williams M, Maniar H, Shahian D, Mack M. *Ann Thorac Surg*. 2015 Nov; 100(5):1718-26; discussion 1726-7. doi: 10.1016/j.athoracsur.2015.05.010. PMID: 26233276

Matrix Gla protein regulates calcification of the aortic valve. Venardos N, Bennett D, **Weyant MJ**, **Reece TB**, **Meng X**, **Fullerton DA**. *J Surg Res*. 2015 Nov; 199(1):1-6. doi: 10.1016/j.jss.2015.04.076. PMID: 25990696

Bronchopleural Fistula and Empyema after Anatomic Lung Resection. Zanotti G, **Mitchell JD**. *Thorac Surg Clin*. 2015 Nov; 25(4):421-7. doi: 10.1016/j.thorsurg.2015.07.006. Review. PMID: 26515942

Veterans Affairs #517 Randomized On/Off Bypass (ROOBY) Study Group. Resident versus attending surgeon graft patency and clinical outcomes in on- versus off-pump coronary artery bypass surgery. Almassi GH, Carr BM, Bishawi M, Shroyer AL, Quin JA, Hattler B, Wagner TH, Collins JF, Ravichandran P, **Cleveland JC**, **Grover FL**, Bakaeen FG; J Thorac Cardiovasc Surg. 2015 Dec; 150(6):1428-35, 1437.e1; discussion 1435-7. doi: 10.1016/j.jtcvs.2015.08.124. Erratum in: *J Thorac Cardiovasc Surg*. 2016 Mar; 151(3):895-6. PMID: 26470910

Tropheryma whipplei Endocarditis: A Two-patient Case Series. Borne RT, **Babu A**, Levi M, Brieke A, Quaife RA. *Am J Med*. 2015 Dec; 128(12):1364-6. doi: 10.1016/j.amjmed.2015.06.053. PMID: 26239095

STS/ACC TVT Registry. Annual Outcomes with Transcatheter Valve Therapy: From the STS/ACC TVT Registry. Holmes DR Jr, Nishimura RA, **Grover FL**, Brindis RG, Carroll JD, Edwards FH, Peterson ED, Rumsfeld JS, Shahian DM, Thourani VH, Tuzcu EM, Vemulapalli S, Hewitt K, Michaels J, Fitzgerald S, Mack MJ; *J Am Coll Cardiol*. 2015 Dec 29; 66(25):2813-2823. doi: 10.1016/j.jacc.2015.10.021. PMID: 26652232

Introduction to the STS National Database Series: Outcomes Analysis, Quality Improvement, and Patient Safety. Jacobs JP, Shahian DM, Prager RL, Edwards FH, McDonald D, Han JM, D'Agostino RS, Jacobs ML, Kozower BD, Badhwar V, Thourani VH, Gaissert HA, Fernandez FG, Wright C, Fann JJ, Paone G, Sanchez JA, **Cleveland JC Jr**, Brennan JM, Dokholyan RS, O'Brien SM, Peterson ED, Grover FL, Patterson GA. *Ann Thorac Surg*. 2015 Dec; 100(6):1992-2000. doi: 10.1016/j.athoracsur.2015.10.060. Review. PMID: 26525868

Tropheryma Whipplei Endocarditis. Obma KL, Marx GE, Mauchley D, Seres T, **Babu A**, Saveli CC, Bartels K. *CASE 12--2015: J Cardiothorac Vasc Anesth*. 2015 Dec; 29(6):1712-6. doi: 10.1053/j.jvca.2014.11.011. PMID: 25675891