



Highlighted References & Resources – November 6

Surgical Decision-Making Guidelines: Updates & Translation to practice – Annette Vegas

- Nicoara et al. Guidelines for the Use of Transesophageal Echocardiography to Assist with Surgical Decision-Making in the Operating Room: A Surgery-Based Approach. Journal of the American Society of Echocardiography. 2020;33: 692–734. doi:[10.1016/j.echo.2020.03.002](https://doi.org/10.1016/j.echo.2020.03.002)

Case-Based Decision-Making: Ischemic MR – Aidan Sharkey

- Echocardiographic Assessment of the Mitral Valve for Suitability of Repair: An Intraoperative Approach From a Mitral Center – <https://pubmed.ncbi.nlm.nih.gov/34334319/>

Case-Based Decision-Making: Incidental TR – Michael Lee

- Isolated tricuspid regurgitation: outcomes and therapeutic interventions – Fender – <https://pubmed.ncbi.nlm.nih.gov/29229649/>
- Isolated tricuspid valve surgery: impact of aetiology and clinical presentation on outcomes – Julien Dreyfus – <https://pubmed.ncbi.nlm.nih.gov/32974668/>
- 2020 ACC/AHA Guideline for the Management of Patients With Valvular Heart Disease – <https://pubmed.ncbi.nlm.nih.gov/33332149/>

Case-Based Decision-Making: Structural Heart Disease Interventions – Massimiliano Meineri

- Image of Tendyne valve: <https://www.cardiovascular.abbott/content/dam/bss/divisionalsites/cv/hcp/products/structural-heart/tendyne/graphics/sh-tendyne-features-1170x470.png>
- Lampoon Procedure: <https://www.acc.org/latest-in-cardiology/articles/2019/10/06/24/42/cutting-edge-structural-interventions-lampoon-addressing-patients-with-elevated-lvot-to-undergo-tmvr>

TEE Guidance for Management of ARDS and ECLS: The COVID Experience – Ghislaine Douflé

- Treatment of ARDS With Prone Positioning – Eric L Scholten <https://pubmed.ncbi.nlm.nih.gov/27400909/>
- Prone positioning unloads the right ventricle in severe ARDS. Antoine Vieillard-Baron – <https://pubmed.ncbi.nlm.nih.gov/17925425/>

- Echocardiography for adult patients supported with extracorporeal membrane oxygenation – Ghislaine Douflé – <https://pubmed.ncbi.nlm.nih.gov/26428448/>
- Echocardiography in extracorporeal life support: A key player in procedural guidance, tailoring and monitoring – Dirk W Donker <https://pubmed.ncbi.nlm.nih.gov/29788834/>
- Extracorporeal Membrane Oxygenation for Patients With COVID-19 in Severe Respiratory Failure <https://jamanetwork.com/journals/jamasurgery/fullarticle/2769429>
- Managing Harlequin Syndrome in VA-ECMO – do not forget the right ventricle – <https://pubmed.ncbi.nlm.nih.gov/34053349/>

TEE for RAMP Studies to Guide ECLS Weaning – Phyllis Billia

- Liberation From Venoarterial Extracorporeal Membrane Oxygenation: A Review – <https://www.ahajournals.org/doi/abs/10.1161/CIRCHEARTFAILURE.120.007679>
- Contemporary Comprehensive Monitoring of Veno-arterial Extracorporeal Membrane Oxygenation Patients – Meena Bhatia 1, Jason N Katz 2 – <https://pubmed.ncbi.nlm.nih.gov/31924449/>
- Echocardiographic Predictors of Successful Extracorporeal Membrane Oxygenation Weaning After Refractory Cardiogenic Shock – Darae Kim – [https://www.onlinejase.com/article/S0894-7317\(20\)30776-8/pdf](https://www.onlinejase.com/article/S0894-7317(20)30776-8/pdf)

Rescue TEE in the Perioperative Setting – Pablo Perez d'Empaire

- NIN – Downward Spiral: <https://youtu.be/9FNe7I3KkQU>
- Perioperative transesophageal echocardiography for non-cardiac surgery – Ashraf Fayad – <https://pubmed.ncbi.nlm.nih.gov/29150779/>
- Development of a Rescue Echocardiography Protocol for Noncardiac Surgery Patients – Genevieve E Staudt <https://pubmed.ncbi.nlm.nih.gov/29916865/>
- Impact of Critical Care Transesophageal Echocardiography in Medical-Surgical ICU Patients: Characteristics and Results From 274 Consecutive Examinations – Robert Arntfield – <https://pubmed.ncbi.nlm.nih.gov/30189783/>
- Comparative Effectiveness and Harms of Intraoperative Transesophageal Echocardiography in Noncardiac Surgery: A Systematic Review – Ashraf Fayad – <https://pubmed.ncbi.nlm.nih.gov/29441818/>
- Focused Transesophageal Echocardiography During Cardiac Arrest Resuscitation: JACC Review Topic of the Week – <https://www.jacc.org/doi/abs/10.1016/j.jacc.2020.05.074>
- Transesophageal Echocardiography During Cardiopulmonary Resuscitation Is Associated With Shorter Compression Pauses Compared With Transthoracic Echocardiography – James Fair – <https://pubmed.ncbi.nlm.nih.gov/30773413/>
- Transoesophageal echocardiography in cardiac arrest: A systematic review – Laila Hussein – <https://pubmed.ncbi.nlm.nih.gov/34390824/>
- Recommendations for the use of point-of-care ultrasound (POCUS) by emergency physicians in Canada – David Lewis – <https://pubmed.ncbi.nlm.nih.gov/31771691/>

TEE for Management of Non-Cardiac Transplant – Jacobo Moreno

- Transesophageal echocardiography in orthotopic liver transplantation: a comprehensive intraoperative monitoring tool - Luigi Vetrugno - <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5476533/>
- A Focused Transesophageal Echocardiography Protocol for Intraoperative Management During Orthotopic Liver Transplantation - <https://doi.org/10.1053/j.jvca.2020.01.028>
- https://pie.med.utoronto.ca/TVASurg/project/piggyback_livertransplant/
- Pulmonary venous obstruction after lung transplantation. Diagnostic advantages of transesophageal echocardiography- González-Fernández - <https://pubmed.ncbi.nlm.nih.gov/19732099/>
- Transesophageal Echocardiography During Orthotopic Liver Transplantation in Patients With Esophagoastric Varices - Burger-Klepp - <https://pubmed.ncbi.nlm.nih.gov/22728290/>

Case-Based Decision-Making: Non-Cardiac Surgery in ACHD Patients – Marjan Jariani

- Ebstein's Anomaly: <https://www.ahajournals.org/doi/10.1161/CIRCULATIONAHA.106.619338>
- 2018 AHA/ACC Guideline for the Management of Adults With Congenital Heart Disease - <https://www.ahajournals.org/doi/10.1161/CIR.0000000000000603>
- 2020 ESC Guidelines for the management of adult congenital heart disease - Helmut Baumgartner - <https://academic.oup.com/eurheartj/article/42/6/563/5898606>

The Segmental Approach for Intraoperative ACHD Assessment – Nelson Burbano

- Van Praagh R. Terminology of congenital heart disease. Glossary and commentary. Circulation. 1977;56: 139–143. doi:[10.1161/01.CIR.56.2.139](https://doi.org/10.1161/01.CIR.56.2.139)

Cognitive Errors in Perioperative Decision Making – Carolyn LoBue

- <https://echo.anesthesia.med.utah.edu/>
- Judgment under Uncertainty: Heuristics and Biases - Amos Tversky; Daniel Kahneman - <https://www2.psych.ubc.ca/~schaller/Psyc590Readings/TverskyKahneman1974.pdf>
- Bias in Radiology: The How and Why of Misses and Misinterpretations - Lindsay P. Busby - <https://pubs.rsna.org/doi/full/10.1148/rg.2018170107>

Common Errors: Lessons from 3 years of PTE QI Reviews at Toronto General Hospital – Ahmad Omran

- Comprehensive Quality Improvement Program for Intraoperative Transesophageal Echocardiography: Development, Implementation, and Initial Experience - Igor Izrailtyan - 10.1053/j.jvca.2020.08.002 - <https://pubmed.ncbi.nlm.nih.gov/32883553/>
- Training, competence, and quality improvement in echocardiography: the European Association of Cardiovascular Imaging Recommendations: update 2020 - Bogdan A Popescu - <https://academic.oup.com/ehjcmimg/article/21/12/1305/6007699>

- Transprosthetic Cuff Leakage of a Bovine Pericardial Aortic Bioprosthesis – Arudo Hiraoka – <https://pubmed.ncbi.nlm.nih.gov/30731191/>