

February 2021



**NCDR<sup>®</sup>**  
NATIONAL CARDIOVASCULAR DATA REGISTRY

**Presented Abstracts From the  
STS/ACC TVT Registry**

February 2021

## STS/ACC TVT Registry™

1. 413. Conscious Sedation versus General Anesthesia for Transcatheter Aortic Valve Replacement: Variation in Practice and Outcomes in the STS/ACC TVT Registry. [ACC 20](#).
2. 350. Low Body Mass Index is Associated with Higher Rates of Death in Patients Undergoing Transcatheter Mitral Valve Repair: A Report from the STS/ACC TVT Registry™<sup>342</sup>. Peripheral versus Central Access for Alternative Access Transcatheter Aortic Valve Replacement (TAVR): Results from the TVT Registry. [ACC 20](#).
3. 421. Institution-Level Variability in 30-day Patient Outcomes after Transcatheter Mitral Valve Repair in the United States. [QCOR 20](#).
4. 422. Patient-Reported Health Status Changes is Associated with Subsequent Clinical Outcomes After Transcatheter Valve Therapies: Insights from the STS/ACC TVT Registry. [QCOR 20](#).
5. 440. Acute Kidney Injury in Transcatheter Aortic Valve Replacement. [CRT 20](#).
6. 472. Association of Cerebral Embolic Protection Devices with Transcatheter Aortic Valve Replacement Outcomes: Results from the STS/ACC TVT Registry. [TCT Connect 20](#).
7. N/A. Variation in post-TAVR Antithrombotic Therapy and Outcomes in Patients with Preexisting Atrial Fibrillation: Insights from the STS/ACC TVT® Registry. [AHA 19](#).
8. 440. Acute Kidney Injury in Transcatheter Aortic Valve Replacement: Can We Reduce the Risk?. [TCT 19](#).
9. 456. Incidence and Outcomes of Patient-Prosthesis Mismatch Following Self-Expanding Transcatheter Aortic Valve Replacement in Native Aortic Stenosis: An Analysis from the STS/ACC TVT Registry. [19](#)
10. 371. Learning curve for transcatheter mitral repair: Insights from the STS/ACC TVT Registry. [TCT 19](#)  
[Late Breaking Clinical Trial Presentation](#)
11. 353. Sex-Based Differences in Outcomes After Transcatheter Repair of Mitral Regurgitation with the MitraClip System. [ACC 19 Moderated Poster Presentation](#)
12. 258. Pre- versus post-procedure clinical event rates and associated healthcare resource utilization in patients who undergo commercial MitraClip placement for severe mitral regurgitation. [ACC 19 Poster](#)
13. 357. The Association Between Driving Distance and Outcomes after TAVR. [QCOR 19 Poster](#)
14. 291. Racial / Ethnic Disparities in Baseline Characteristics and 1-Year Outcomes After TAVR: A Report From the Transcatheter Valve Therapy (TVT) Registry. Vemulapalli. [AHA 18 Moderate Poster Presentation](#)
15. 256. 30-day outcomes of transcatheter mitral valve replacement in native mitral valve disease with severe mitral annular calcification in the United States: Data from the STS/ACC/TVT Registry. [EuroPCR 18 Late Breaking Clinical Trial Presentation](#)

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16. 224. Association of renin-angiotensin system inhibition with clinical outcomes in patients undergoing transcatheter aortic valve replacement: analysis from the STS/ACC TVT Registry. Inohara. [EuroPCR 18](#)
17. 194. Incidence and Risk Factors of Aborted Procedures and Emergent Conversion to Surgery During Elective TAVR. Wang. [TCT.18](#)
18. 285. Change in Mitral Valve Gradient Following Mitraclip Repair and Correlation to 30-day and 1 year outcomes. Van Assche. [TCT.18](#)
19. 296. Incidence and Risk Factors for Early Stroke after Transcatheter Aortic Valve Replacement: Insights from the STS-ACC TVT Registry. Al-Bawardy. [TCT.18](#)
20. 263. Incidence and Risk Factors for Early Stroke after Transcatheter Aortic Valve Replacement: Insights from the STS-ACC TVT Registry. Huded. [TCT.18](#)
21. 264. Incidence, predictors, and outcome of patients with prosthesis patient mismatch (PPM) after TAVR. Herrmann. [TCT.18](#)
22. 215. Atrial Fibrillation Is Associated With Higher Rates of Death and Heart Failure Hospitalizations in Patients Undergoing MitraClip: Outcomes From the TVT Registry. Arora [ACC.18 Poster Presentation](#)
23. 267. The Effect and Relationship of Age and Frailty on Survival in Patients Undergoing Transcatheter Aortic Valve Replacement. Kiani. [ACC.18 Moderated Poster](#)
24. 260. High Hospital Variability in Mortality After TAVR Can Be Explained by Differences in Failure to Rescue From Post Procedural Complications. Bishawi. [ACC.18 Moderated Poster](#)
25. 249. Outcomes After Transcatheter Mitral Valve Repair in Patients With Chronic Kidney Disease: An Analysis of 5,241 Patients in the United States. Shah. [ACC.18 Poster Presentation](#)
26. 254. Outcomes Following Urgent/Emergent Transcatheter Aortic Valve Replacement: Insights From the STS/ACC TVT Registry. Kolte. [ACC.18 Moderated Poster](#)
27. 256. 30-day outcomes of transcatheter mitral valve replacement in native mitral valve disease with severe mitral annular calcification in the United States: Data from the STS/ACC/TVT Registry. Guerrero. [EuroPCR.18 Late Breaking Clinical Trial](#)
28. 130. Direct-home discharge and likelihood of 30-day hospital readmission after transcatheter aortic valve replacement (TAVR): Findings from the STS/ACC TVT Registry. J. Dodson [ACC.17 Poster Presentation](#)
29. 7. Patterns of Red Blood Cell Transfusion and Associated Outcomes in patients undergoing TAVR in the U.S.: Insights from the STS/ACC TVT Registry. M. Sherwood [ACC.17 Poster Presentation](#)
30. 155. New-Onset Atrial Fibrillation Following Transcatheter Aortic Valve Replacement: Incidence, Anticoagulant Strategy, and Outcomes. A. Vora [ACC.17 Oral Presentation](#)

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31. 156. Incidence and Outcomes of Patients Requiring Surgical Bail-Out during Transcatheter Aortic Valve Replacement from the NCDR® STS/ACC TVT Registry. A. Moldonado [ACC.17 Moderated Poster Presentation](#)
32. 191. Stroke and Transient Ischemic Attack Among Patients with Extracranial Carotid Artery Disease Undergoing Transcatheter Aortic Valve Replacement. S. Jones. [ACC.17 Poster Presentation](#)
33. 153. Impact of Mitral Stenosis in Patients undergoing Transcatheter Aortic Valve Replacement. L. Joseph. [ACC.17 Poster Presentation](#)
34. 245. Clinical Outcomes at 1-Year After Commercial Transcatheter Mitral Valve Repair in the United States. P. Sorajja. [ACC.17 Featured Clinical Research](#)
35. 269. Real-World Comparative Effectiveness of Transcatheter Versus Surgical Aortic Valve Replacement in the United States: An Analysis from Two US Registries Linked to Medicare Data. M. Brennan. [ACC.17 Featured Clinical Research](#)
36. 114. Impact of the Presence of Coronary Artery Disease and Timing of Revascularization on Outcomes of Patients Undergoing Trans-Catheter Aortic Valve Replacement: Insights From STS/ACC TVT Registry. H. Tankazyan. [ACC.17 Poster Presentation](#)
37. 200. Transcatheter Aortic Valve Replacement Using a Self-Expanding Bio prosthesis: First Report From the STS/ACC Transcatheter Valve Therapy Registry. J. Popma. [CRT 2017 Poster Presentation](#)
38. Peripheral Artery Disease and Transcatheter Aortic Valve Replacement Outcomes: A Report From the STS/TVT Registry. Fanaroff. [Poster ACC 17.](#)
39. Stroke and Cardiovascular Outcomes in Patients with Carotid Disease Undergoing TAVR: Insights From the STS/TVT Registry. Kochar. [Poster ACC 17.](#)
40. 186: Effects of Fragmentation of Post-Procedural Care on Outcomes after TAVR Wang. [Poster AHA 17.](#)
41. 240. Development of a Risk Prediction Model for 1-Year Mortality after Surgical vs. Transcatheter Aortic Valve Replacement in Patients with Severe Aortic Stenosis. S. Baron [AHA 2016](#)
42. 110. Incidence and Outcomes of Vascular Complications and Bleeding Events in Patients undergoing TAVR in contemporary U.S. practice: Insights from the STS/ACC TVT Registry ®. Sherwood. [TCT 2016 Oral Presentation](#)
43. 245. Outcomes in the Commercial Use of Self-Expanding Prostheses in Transcatheter Aortic Valve Replacement: A Comparison of the Medtronic CoreValve and Evolut R platforms in the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry. P. Sorajja. [TCT 2016 Poster Presentation](#)

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44. 105. Outcomes of Permanent Pacemaker Implantation Following Transcatheter Aortic Valve Replacement: Analysis of the STS/ACC TVT Registry<sup>TM</sup>. Fadahunsi. [ACC 2016 Oral Presentation](#)
45. 98. Impact of pulmonary hypertension on outcomes of patients undergoing transcatheter aortic valve replacement: Report from the TVT registry. C. Don. [ACC 2016 Oral Presentation](#)
46. 133. Transcatheter Aortic Valve Replacement is Associated with Fewer Hospital Days: A Report from the STS / ACC TVT Registry. S. Vemulapalli. [ACC 2016](#)
47. 106. Procedure Volume and Outcome for Transcatheter Aortic Valve Replacement in U.S. Clinical Practice. J. Carroll. [ACC 2016 LBCT](#)
48. Incidence and Outcomes of Hemodynamic Deterioration in Transcatheter Aortic Valve Replacement in U.S. Clinical Practice: A Report from the Society of Thoracic Surgery / American College of Cardiology Transcatheter Valve Therapy Registry. Douglas. [ACC 2016](#)
49. 36T. Acute Kidney Injury in Transcatheter Aortic Valve Replacement: Can We Reduce the Risk? Brooks. [ACC 2015 Poster Presentation.](#)
50. 37T. Impact of Baseline Left Ventricular Function and Aortic Valve Gradient on Outcomes in Patients Treated with Transcatheter Aortic Valve Replacement: Results from the TVT Registry. Baron. [ACC 2015 Oral Presentation.](#)
51. 33T. Incremental Value of Disease-Specific Health Status in Predicting Mortality after Transcatheter Aortic Valve Replacement. Arnold. [ACC 2015 Poster Presentation.](#)
52. 109T. Outcomes of the Initial Experience with Commercial Transcatheter Mitral Valve Repair in the United States. Sorajja. [ACC 2015 Presentation.](#)
53. 50T: Comparison of Alternative Access TAVR Techniques in the United States for Patients Considered High-Risk or Inoperable for Aortic Valve Replacement and with Severe Aortic Stenosis. Thourani. [STS 2014 Oral Presentation.](#)
54. 25T: The Prognostic Impact of Chronic Lung Disease in 12,139 Patients Undergoing Transcatheter Aortic Valve Replacement: Results from the STS/ACC-TVT Registry. Suri. [STS 2014 Oral Presentation.](#)
55. 05T: The Association of Transcatheter Aortic Valve Replacement (TAVR) Availability, Surgical Aortic Valve Replacement Case Volume, and In-hospital Mortality in the United States. A Report from the STS National Database and the STS/ACC TVT Registry. M. Brennan. [STS 2014 Oral Presentation](#)
56. Late-Breaking Clinical Trial: One Year Outcomes from the STS/ACC Transcatheter Valve Therapy (TVT) Registry. D. Holmes. [ACC 2014 Oral Presentation.](#)
57. 09T-B: The Outcomes of Transcatheter Aortic Valve Replacement in Patients with Bicuspid Aortic Stenosis: Insights from the STS/ACC TVT Registry. F. Edwards. [ACC 2014 Oral Presentation.](#)

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58. 09T-C: Transcatheter Aortic Valve in Valve Replacement for Degenerative Aortic Bio prosthesis: Initial Results from the STS/ACC Transcatheter Valve Therapy Registry. M. Tuczu. [ACC 2014 Oral Presentation](#).
59. 09T-D: ESRD: M. Mack. [ACC 2014 Oral Presentation](#).
60. 05T: The Association of Transcatheter Aortic Valve Replacement (TAVR) Availability, Surgical Aortic Valve Replacement Case Volume, and In-hospital Mortality in the United States. A Report from the STS National Database and the STS/ACC TVT Registry. M. Brennan. [STS Oral 2013](#).