

July 2023



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

**In Progress Projects Based on  
STS/ACC TVT Registry**

July 2023

**In Process, Unpublished NCDR Manuscripts**

The following pages list current research and publications proposals that have been recently approved, are under analysis, are under manuscript development, or submitted to a journal for review/publication. Items are listed by registry and include the ID number and title.

**STS/ACC TVT REGISTRY**

Manuscript Status	RPA ID #	Lead Author	Title
Submitted	117	Sherwood	The Use of Red Blood Cell Transfusion and Outcomes after TAVR: Insights from the STS/ACC TVT Registry®
Submitted	260	Muath Bishawi	Failure to Rescue in Transcatheter Aortic Valve Replacement
Submitted	416	Siddharth Patel	Incidence, Predictors and Clinical Impact of Recovery in Left Ventricular Systolic Function after Transcatheter Aortic Valve Replacement: an analysis of the STS/ACC TVT Registry.
Submitted	505	Amit Vora	Temporal Trends and Hospital Variation in the Pacemaker Implantation following TAVR – Insights from the STS / ACC TVT Registry
Submitted	573	Dharam Kumbhani	Percutaneous Structural Heart Volumes, Hospital Characteristics, and MitraClip outcomes
Submitted	576	John Suffredini	Trends, Predictors, and Outcomes associated with Elevated Gradients after Transcatheter Valve-In-Valve for Degenerated Surgical Bioprosthetic Aortic Valves
Submitted	594	Grayburn	Outcomes of Transcatheter Mitral Valve Repair in High Surgical Volume Centers

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Submitted	613	Suzanne Arnold	Mediators of Improvement in TAVR Outcomes Over Time
Submitted	614	Chetan Huded	Characteristics and Outcomes of Patients with Minimal or No Symptoms Treated with Transcatheter Aortic Valve Replacement
Submitted	638	Harvey	Changing In-hospital Permanent Pacemaker Implantation Rates in the TVT Registry
In Preparation	285	Arman Qamar	Change in Mitral Valve Gradient Following Mitraclip Repair and Correlation to 30-day and 1 year outcomes
In Preparation	350	John Vavalle	The Effect of Obesity on Outcomes in Patients Undergoing MitraClip- Insights from the TVT-NCDR registry
In Preparation	437	Vemulapalli	Improving Data Completeness and Expanding Available Data Elements in the TVT Registry through the use of EHR-Based Data: Linking the TVT Registry and PCORnet
In Preparation	466	Michael Young	The Impact of Frailty on Outcomes in Patients Undergoing Transcatheter Mitral Valve Repair
In Preparation	480	Dahaval Kolte	Temporal Trends in Cause of Death After TAVR
In Preparation	532	Sahil Khera	Incidence, Trends and Outcomes of Non-Access site Bleeding After Transfemoral Transcatheter Aortic Valve Replacement
In Preparation	553	Adam Nelson	The contribution of site characteristics and patient selection to variation in site TAVR outcomes
In Preparation	595	Manasi Tannu	Impact of COVID-19 on Patients Needing Transcatheter Valve Therapy in USA

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In Preparation	598	Adnan Chhatriwalla	Outcomes of Mitral Valve Transcatheter Edge-to-Edge Repair in Patients with Functional Mitral Regurgitation and Clinical Trial Exclusions: Insights from the STS/ACC TVT Registry
In Preparation	630	Marc Allard-Ratick	The effect of transcatheter mitral valve repair on chronic kidney disease
In Preparation	635	Yasser Sammour	Impact of Baseline Tricuspid Regurgitation on Health Status After Transcatheter Aortic and Mitral Valve Therapies: Insights from the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapies Registry
In Preparation	636	Bernacki	TAVR Peri-procedural Code Status
In Preparation	645	Anubodh Varshney	Guideline directed medical therapy utilization in heart failure patients undergoing transcatheter mitral valve repair
In Preparation	654	Kyeeun Park	Sex and race based difference with TMVR mortality and complications
In Preparation	667	Nimesh Desai	Development of an unsuccessful 30-day outcome following MitraClip transcatheter mitral valve repair to support patient counseling and decision making
In Preparation	672	Anirudh Kumar	Impact of Mitral Stenosis on Patients Undergoing Transcatheter Aortic Valve Replacement (TAVR)
In Preparation	681	Mayra Guerrero	Outcomes of Transcatheter Mitral Valve Replacement Using with the SAPIEN 3 Balloon-Expandable Aortic Transcatheter Heart Valve in Failed Mitral Annuloplasty Ring
In Preparation	683	Kannu Bansal	Impact of Polyvascular Disease on Outcomes of Patients Undergoing Transcatheter Aortic Valve Replacement: Insights from the STS/ACC TVT Registry
In Preparation	686	Nickpreet Singh	National trends, predictors, and outcomes of early and late bleeding complications after MitraClip: Insights from the NCDR STS/ACC TVT Registry

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In Preparation	693	Suzanne Arnold	Understanding Outcomes After TAVR Since 2019
In Preparation	696	Lillian Kang	Outcomes of Commercial Transcatheter Aortic Valve Replacement in Low-Risk Patients: An Analysis of the STS/ACC TVT Registry
Analysis	560	Giri	Rates and Outcomes of Percutaneous Coronary Intervention after Implantation of Transcatheter Aortic Valve Replacement
Analysis	673	Joe Aoun	Outcomes of Transcatheter Mitral Valve Repair in Patients with Recurrent Mitral Regurgitation After Surgical Mitral Valve Repair: A Report from the STS/TVT ACC Registry
Analysis	678	Megan Coylewright	Comparison of comorbidity burden among “young” (<65 years) and “older” (65 years-80) patients treated with transcatheter aortic valve replacement (TAVR): A Real World US Data Analysis
Analysis	684	Ahmed Kolkailah	Hospital-Level Transcatheter Aortic Valve Replacement Performance With Simulated Risk Avoidance Strategies
Analysis	688	Nickpreet Singh	Temporal trends, risk factors, and outcomes of patients with new left bundle branch block following transcatheter aortic valve replacement: Insights from the STS/ACC TVT Registry
Analysis	691	George Yankey	Early Outcomes of Commercial Transcatheter Tricuspid Valve Procedures in the Transcatheter Valve Therapies Registry
Analysis	692	Andrew Vekstein	Outcomes of Sequential Transcatheter Aortic Valve Replacement and Edge-to-Edge Mitral Valve Repair
Analysis	703	Santiago Garcia	Frequency and Safety of Bioprosthetic Valve Fracture in Patients Undergoing Valve in Valve for Failed Surgical Valves using the SAPIEN 3/Ultra Valves
Analysis	722	Kashish Goel	Transseptal Mitral Valve in Valve – A comprehensive analysis of temporal trends, adoption and outcomes from 2014 to 2022

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Analysis	723	Neel Butala	Impact of Embolic Protection Devices on Disabling Stroke after TAVR
Analysis	724	Kashish Goel	Outcomes of TAVRs in patients with Cardiogenic Shock
Analysis	741	Dhaval Kolte	Identifying Modifiable Practices Related to Outcome Variation and Enhancement in TAVR (IMPROVE TAVR)
On Hold	464	Tomo Ando	Comparative Outcomes of Direct Oral Anticoagulants Versus Vitamin K Antagonist After Transcatheter Aortic Valve Replacement; From the TVT Registry
On Hold	484	John Saxon	Clinical Outcomes After Repeat MitraClip
On Hold	511	Herrmann	Prosthesis-Patient Mismatch After TAVR (TVT Registry Research Proposal)
On Hold	517	Brennan	Outcomes of Transcatheter Aortic Valve Replacement for Primary Aortic Insufficiency
On Hold	547	Sammour	Impact of Coronary Artery Disease and Revascularization on Health Status After Transcatheter Aortic Valve Replacement: Insights from the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapies Registry