

July 2022



NCDR[®]
NATIONAL CARDIOVASCULAR DATA REGISTRY

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

July 2022

In Process, Unpublished NCDR Manuscripts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 | 98 | Thomas Gleason | Outcomes of patients with elevated pulmonary artery pressure undergoing TAVR |
| Submitted | 342 | Kaneko | Peripheral versus Central Access for Alternative Access TAVR |
| In Preparation | 114 | Maniar | Impact of the Presence of Coronary Artery Disease and the Revascularization on Outcomes of Patients Undergoing Trans-catheter Aortic Valve Replacement: Insights from STS/ACC TVT Registry |
| In Preparation | 117 | Sherwood | The Use of Red Blood Cell Transfusion and Outcomes after TAVR: Insights from the STS/ACC TVT Registry® |
| In Preparation | 260 | Muath Bishawi | Failure to Rescue in Transcatheter Aortic Valve Replacement |
| In Preparation | 285 | Lowie Van Assche | 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 |

July 2022

| | | | |
|----------------|-----|--------------------|---|
| In Preparation | 466 | Michael Young | The Impact of Frailty on Outcomes in Patients Undergoing Transcatheter Mitral Valve Repair |
| In Preparation | 479 | Adam Nelson | Procedural Volumes versus Outcomes Measurements for Identifying Low and High Performing TAVR Centers |
| 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 | 558 | Joanna Chikwe | Safety and efficacy of transcatheter mitral repair in degenerative mitral regurgitation |
| In Preparation | 573 | Dharam Kumbhani | Percutaneous Structural Heart Volumes, Hospital Characteristics, and MitraClip outcomes |
| In Preparation | 576 | John Suffredini | Trends, Predictors, and Outcomes associated with Elevated Gradients after Transcatheter Valve-In-Valve for Degenerated Surgical Bioprosthetic Aortic Valves |
| In Preparation | 595 | John Carroll | Impact of COVID-19 on Patients Needing Transcatheter Valve Therapy in USA |
| 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 | 613 | Suzanne Arnold | Mediators of Improvement in TAVR Outcomes Over Time |
| In Preparation | 636 | Bernacki | TAVR Peri-procedural Code Status |
| 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 |
| Analysis | 442 | Wang | Association of MitraClip Availability and Hospital Surgical Mitral Valve Repair Volume and Mortality-Aim2 |
| Analysis | 444 | Lowenstern | Association of MitraClip Availability and Hospital Surgical Mitral Valve Repair Volume and Mortality-Aim1 |

July 2022

| | | | |
|----------|-----|--------------------|---|
| Analysis | 464 | Tomo Ando | Comparative Outcomes of Direct Oral Anticoagulants Versus Vitamin K Antagonist After Transcatheter Aortic Valve Replacement; From the TVT Registry |
| Analysis | 480 | Dahaval Kolte | Temporal Trends in Cause of Death After TAVR |
| Analysis | 510 | Abbas | Clinical Outcomes of Valve-in-Valve Transcatheter Aortic Valve Replacement (VIV-TAVR) with SAPIEN 3 |
| Analysis | 548 | Trevor Simard | Evaluation of transcatheter mitral-valve repair in cardiogenic shock |
| Analysis | 560 | Giri | Rates and Outcomes of Percutaneous Coronary Intervention after Implantation of Transcatheter Aortic Valve Replacement |
| Analysis | 594 | Grayburn | Outcomes of Transcatheter Mitral Valve Repair in High Surgical Volume Centers |
| Analysis | 614 | Chetan Huded | Characteristics and Outcomes of Patients with Minimal or No Symptoms Treated with Transcatheter Aortic Valve Replacement |
| Analysis | 630 | Marc Allard-Ratick | The effect of transcatheter mitral valve repair on chronic kidney disease |
| Analysis | 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 |
| Analysis | 638 | Harvey | Changing In-hospital Permanent Pacemaker Implantation Rates in the TVT Registry |
| Analysis | 645 | Anubodh Varshney | Guideline directed medical therapy utilization in heart failure patients undergoing transcatheter mitral valve repair |
| Analysis | 654 | Kyeeun Park | Sex and race-based difference with TMVR mortality and complications |
| 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 |

July 2022

| | | | |
|----------|-----|-----------------|---|
| 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 |
| On Hold | 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. |
| 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 |
| External | 508 | McCabe | Clinical Outcomes of Subclavian-Axillary Approach with Percutaneous Technique Compared to Cutdown for Transcatheter Aortic Valve Replacement with SAPIEN 3 |