Stanford



# Rahul P Sharma, MBBS, FRACP

Clinical Professor, Medicine - Cardiovascular Medicine


**CLINICAL OFFICE (PRIMARY)**

- **Cardiovascular Medicine**

  300 Pasteur Dr

  3rd Floor A31

  Stanford, CA 94305

  **Tel** (650) 723-0180 **Fax** (650) 725-6766


## Bio

### BIO

Dr Rahul P. Sharma, MBBS, FRACP is the Director of Structural Interventions at Stanford Healthcare, Associate Director of the Cardiac Catheterization Laboratory and Clinical Professor of Medicine at Stanford University.

Dr Sharma graduated from Monash University and completed his medicine and cardiology training at the Alfred Hospital in Melbourne, Australia. He completed an advanced interventional and structural fellowship at Cedars Sinai Medical Center in Los Angeles, California before joining Cedars Sinai as Clinical Faculty, Director of the Structural Imaging Core Laboratory and Associate Director of Interventional Cardiology Research. He was recruited to the role of Director of Structural Interventions at Stanford Healthcare in 2019.

Dr Sharma is an internationally recognized Interventional Cardiologist with specialized clinical and research interests in structural heart disease, particularly transcatheter valve therapy and the application of artificial intelligence to healthcare. He has a large volume of expertise in transcatheter aortic, mitral and tricuspid replacement and repair, left atrial appendage occlusion, PFO/ASD/VSD closure, alcohol septal ablation and cerebral protection. He also has expertise in intracardiac echocardiography for structural heart disease. He is a clinical investigator in ongoing national multi-center research studies and clinical trials and has co-authored numerous peer reviewed, scientific articles and book chapters. Dr Sharma has strong ties to medical device industry, serves as a national and international clinical proctor for transcatheter procedures and is regularly invited to speak at major national and international scientific meetings. Dr Sharma sits on a number of scientific advisory boards and clinical society committees and is deeply committed to the training and education of the next generation of clinicians.

### CLINICAL FOCUS

- Coronary Artery Disease
- Coronary Artery Stenosis
- Percutaneous Coronary Intervention
- Aortic Valve Stenosis

- Aortic Valve Insufficiency
- Mitral Valve Insufficiency
- Mitral Valve Prolapse
- Mitral Valve Stenosis
- Tricuspid Valve
- Tricuspid Valve Insufficiency
- Tricuspid Valve Stenosis
- Atrial Septal Defect
- Ventricular Septal Defect
- Atrial Appendage
- Cardiomyopathy, Hypertrophic
- TAVR
- MitraClip
- Transcatheter aortic valve replacement
- TMVR
- Transcatheter mitral valve replacement
- Tricuspid clip
- Transcatheter tricuspid valve replacement
- Alcohol septal ablation
- Watchman
- Left atrial appendage closure
- PFO closure
- ASD/VSD closure
- Paravalvular leak closure
- Interventional Cardiology

## ACADEMIC APPOINTMENTS

- Clinical Professor, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

## ADMINISTRATIVE APPOINTMENTS

- Interventional Cardiologist, Stanford Health Care, (2019- present)
- Clinical Associate Professor, Stanford University, (2021- present)
- Director of Structural Interventions, Stanford Healthcare, (2019- present)
- Interventional Cardiologist, Cedars-Sinai Medical Center, (2017-2019)
- Research Scientist II, Department of Medicine, Cedars Sinai Medical Center, (2016-2017)
- Affiliate Member, Cardiac Society of Australia and New Zealand, (2014- present)
- Fellow, Royal Australasian College of Physicians, (2012- present)
- Representative, Royal Australasian College of Physicians Victorian and Tasmanian Training Committee, Australia, (2011-2016)
- Founder and President, Association of Victorian Cardiology Advanced Trainees, Australia, (2011-2014)

### HONORS AND AWARDS

- Excellence in Teaching Award 2017-2018, Cedars Sinai Medical Center (2018)
- Recipient of Academic Scholarship for Masters in Health Delivery Sciences, - (2018)
- Winner – “Medtech’s Got Talent” Innovation Award, - (2014)
- Finalist – Royal Australian College of Physicians Research Prize, - (2012)
- Winner – Alfred Health Senior Medical Staff Research Scholarship, - (2012)
- Winner – Alfred Health Teacher of the Year Award, - (2012)
- Winner – Anglican Church Grammar School Old Boy’s Association Scholarship, - (2012)
- Finalist – Alfred Health Research Prize, - (2011)
- No. 1 ranked candidate overall for entrance to Cardiology Fellowship, - (2011)
- Winner – Alfred Health Teacher of the Year Award, - (2011)
- Winner – Monash University Medical Students Teaching Award, - (2011)
- Winner – Victoria Cardiology Registrar’s Research Prize, Cardiac Society of Australia and New Zealand (2011)
- Winner – Alfred Health Teaching Supervisors Award, - (2010)
- Winner – Novartis research travel scholarship, - (2009)
- Winner – Baker IDI research travel scholarship, - (2007)
- Finalist – Australian and New Zealand Society for Geriatric Medicine Prize, - (2006)
- Finalist – Prince Henry’s Institute Surgical Prize, - (2006)
- Winner – Monash University overseas elective scholarship, - (2006)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Fellow, Cardiac Society of Australia and New Zealand (2014 - present)
- Fellow, Royal Australian College of Physicians (2014 - present)

### PROFESSIONAL EDUCATION

- Board Certification: Cardiology, Royal Australasian College of Physicians - Australia (2013)
- Fellowship, Cedars Sinai Medical Center, Interventional and Structural Cardiology , Los Angeles, CA (2015)
- Fellowship, Alfred Hospital, Cardiology Advanced Physician Training , Melbourne, Australia (2014)
- Fellowship, Monash Medical Center , Melbourne, Australia (2014)
- Fellowship, Royal Australasian College of Surgeons, Alfred Health , Melbourne, Australia (2013)
- Residency, Alfred Hospital, General Medicine , Melbourne, Australia (2011)
- Internship, Alfred Hospital , Melbourne, Australia (2011)
- MBBS, Monash University, Bachelor of Medicine, Bachelor of Surgery , Melbourne, Australia (2006)

### LINKS

- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html

## Research & Scholarship

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Transcatheter valve therapies, CT valve imaging, AI and device innovation

### CLINICAL TRIALS

- ACURATE IDE: Safety and Effectiveness Study of ACURATE Valve for Transcatheter Aortic Valve Replacement, Recruiting
- ALLIANCE: Safety and Effectiveness of the SAPIEN X4 Transcatheter Heart Valve, Recruiting
- Clinical Trial to Evaluate the Safety and Effectiveness of Using the Tendyne Transcatheter Mitral Valve System for the Treatment of Symptomatic Mitral Regurgitation, Recruiting
- Edwards PASCAL CLASP IID/IIF Pivotal Clinical Trial, Recruiting
- Edwards PASCAL Transcatheter Valve Repair System Pivotal Clinical Trial, Recruiting
- PARTNER 3 Trial: Safety and Effectiveness of the SAPIEN 3 Transcatheter Heart Valve in Low Risk Patients With Aortic Stenosis, Recruiting
- PROGRESS: Management of Moderate Aortic Stenosis by Clinical Surveillance or TAVR, Recruiting
- Transcatheter Mitral Valve Replacement With the Medtronic Intrepid™ TMVR System in Patients With Severe Symptomatic Mitral Regurgitation., Recruiting
- TRISCEND II Pivotal Trial, Recruiting
- 2019-06 TRISCEND Study, Not Recruiting

## Publications

### PUBLICATIONS

- **TAVR in Patients with Moderate Aortic Stenosis with At-Risk Features.** *The New England journal of medicine*
  Généreux, P., Makkar, R. R., Pibarot, P., Bax, J. J., Lindman, B. R., Muhammad, K., Oldemeyer, J. B., Pirwitz, M., Barker, C. M., Thourani, V. H., Yadav, P. K., Rodriguez, R., Strote, et al
  2026
- **PASCAL Precision System Outcomes by Implant Location and Lesion Location in Degenerative Mitral Regurgitation Patients From the STS/ACC TVT Registry.** *Journal of the American Heart Association*
  Ramanathan, P. K., Makkar, R., Waggoner, T., Latib, A., Kipperman, R. M., Hanson, I., Sinha, A. K., Chakravarty, T., Sharma, R. P., Depta, J. P., Castellanos, J. A., Kodali, S., Krishnaswamy, et al
  2026: e052158
- **Corrigendum to '2025 SCAI/HRS Clinical Practice Guidelines on Transcatheter Left Atrial Appendage Occlusion': [Heart Rhythm. Volume 22, Issue 10 (2025) Pages e1048-e1063].** *Heart rhythm*
  Goldsweig, A. M., Glikson, M., Joza, J., Kavinsky, C. J., Khalique, O., Lakkireddy, D., Mackensen, G. B., Naccarelli, G. V., Nair, D. G., Saw, J., Sharma, R. P., Sherwood, M., Szerlip, et al
  2026; 23 (10): e2679
- **Mitral Regurgitation and Severe Aortic Stenosis: Clinical Characteristics, Prognostic Impact, and Response to TAVR: Insights From Egnite Data.** *Circulation. Cardiovascular interventions*
  Peterson, B. E., Genereaux, P., Shah, P., Kaneko, T., Elmariah, S., Dobbles, M., Sharma, R., Vemulapali, S., Garcia, S. A., Whisenant, B. K., Summers, M., Bhatt, D. L.
  2026: e016578
- **Five-Year Follow-Up of Transcatheter Aortic Valve Replacement With Self-Expanding Intra-Annular Versus Commercially Available Valves.** *JACC. Cardiovascular interventions*
  Makkar, R. R., Cheng, W., Waksman, R., Chakravarty, T., Satler, L. F., Groh, M., Abernethy, W., Russo, M. J., Heimansohn, D., Hermiller, J., Worthley, S., Chehab, B. M., Matthews, et al
  2026
- **Outcomes of Amulet Occluder Implantation Following Watchman Screen Failure in the ADVANCE LAA Study: A Real-World Analysis of Procedural Success and Safety.** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*
  Lakkireddy, D., Saw, J., Makkar, A., Shah, D., Satpathy, R., Saric, M., Sharma, R., Cuoco, F., Percell, R., Manoukian, G., Gage, R., Anderson, J. A., Agarwal, et al
  2026
- **10-Year Outcomes of SAPIEN 3 Transcatheter Aortic Valve Replacement or Surgery in Intermediate-Risk Patients.** *Journal of the American College of Cardiology*

Nazif, T. M., Simonato, M., Makkar, R. R., Thourani, V. H., Desai, N. D., Babaliaros, V., Greason, K., Rovin, J., Waxman, S., Davidson, C., Kereiakes, D. J., Gupta, A., Satler, et al

2026; 87 (23): 3296-3308

- **10-Year Randomized Outcomes of Transcatheter or Surgical Aortic Valve Replacement in Intermediate-Risk Aortic Stenosis.** *Journal of the American College of Cardiology*

  Thourani, V. H., von Stein, P., Mack, M. J., Nazif, T. M., Babaliaros, V., Alkhouli, M., Fischbein, M. P., Desai, N. D., Satler, L., Zidar, F. J., Kodali, S. K., Kron, I. L., Zajarias, et al

  2026; 87 (23): 3309-3321

- **Real-World Outcomes of Transcatheter Tricuspid Valve Replacement: Analysis From the STS/ACC TVT Registry.** *JAMA*

  Makkar, R. R., Gupta, A., O'Neill, B. P., Lalani, C., Sharma, R. P., Yadav, P., Frisoli, T. M., Thourani, V., Makar, M., Eleid, M. F., Lee, J., Babaliaros, V. C., Haeffele, et al

  2026

- **Angiography-Derived Fractional Flow Reserve to Guide PCI.** *The New England journal of medicine*

  Fearon, W. F., Jeremias, A., Witberg, G., Al-Lamee, R., Cohen, D. J., Kaki, A., Sharma, R. P., Yeh, R. W., Chehab, B. M., Kim, M. C., Otake, H., Tayal, R., Matsuo, et al

  2026

- **Corrigendum to '2025 SCAI/HRS Clinical Practice Guidelines on Transcatheter Left Atrial Appendage Occlusion': [Journal of the Society for Cardiovascular Angiography & Interventions. Volume 4, Issue 9 (2025) 103783].** *Journal of the Society for Cardiovascular Angiography & Interventions*

  Goldsweig, A. M., Glikson, M., Joza, J., Kavinsky, C. J., Khalique, O., Lakkireddy, D., Mackensen, G. B., Naccarelli, G. V., Nair, D. G., Saw, J., Sharma, R. P., Sherwood, M., Szerlip, et al

  2026; 5 (2): 104164

- **Real-world Utilization of PASCAL Precision System in non-A2P2 Degenerative Mitral Regurgitation**

  Ramanathan, P., Makkar, R., Waggoner, T., Latib, A., Kipperman, R., Hanson, I., Sinha, A., Chakravarty, T., Sharma, R., Depta, J., Castellanos, J., Kodali, S., Krishnaswamy, et al

  ELSEVIER SCIENCE INC.2025

- **Early Clinical Experience with a Chronically-Adjustable, Biatrial Pressure Sensing Interatrial Shunt for Heart Failure: Adona Medical**

  Klein, L., Sorajja, P., Singh, G., Rommel, K., Sharma, R., Gogorishvili, I., Stone, G.

  ELSEVIER SCIENCE INC.2025

- **Outcomes of Transcatheter Tricuspid Valve Replacement in Patients with Multivalvular Disease: Insights from the TRISCEND II Trial**

  Narang, A., Hahn, R., Davidson, C., Grayburn, P., Windecker, S., Snyder, C., Shah, J., Puthumana, J., Makkar, R., Sannino, A., Arnold, S., Kodali, S., Thourani, et al

  ELSEVIER SCIENCE INC.2025

- **Outcomes of Transcatheter Tricuspid Valve Replacement in Patients with Multivalvular Disease: Insights from the TRISCEND II Trial**

  Narang, A., Hahn, R., Davidson, C., Grayburn, P., Windecker, S., Snyder, C., Shah, J., Puthumana, J., Makkar, R., Sannino, A., Arnold, S., Kodali, S., Thourani, et al

  ELSEVIER SCIENCE INC.2025

- **Transcatheter Mitral Valve Replacement for Severe Mitral Annular Calcification: Primary Outcomes from the SUMMIT-MAC Study.** *Journal of the American College of Cardiology*

  Sorajja, P., Thourani, V. H., Rogers, J. H., Bethea, B., Guerrero, M. E., Lim, D. S., Hebeler, R., Cowger, J., Allen, K. B., Sharma, R. P., Gossl, M., Chehab, B. M., Farivar, et al

  2025

- **2025 SCAI/HRS Clinical Practice Guidelines on Transcatheter Left Atrial Appendage Occlusion.** *Journal of the Society for Cardiovascular Angiography & Interventions*

  Goldsweig, A. M., Glikson, M., Joza, J., Kavinsky, C. J., Khalique, O., Lakkireddy, D., Mackensen, G. B., Naccarelli, G. V., Nair, D. G., Saw, J., Sharma, R. P., Sherwood, M., Szerlip, et al

  2025; 4 (9): 103783

- **Tricuspid valve replacement outcomes by baseline tricuspid regurgitation severity: the TRISCEND II trial.** *European heart journal*

  Lurz, P., Hahn, R. T., Kodali, S., Makkar, R., Sharma, R. P., Davidson, C. J., O'Neill, B. P., Yadav, P., Zahr, F., Chadderdon, S., Eleid, M. F., Szerlip, M., Smith, et al

  2025

- **Early U.S. Commercial Experience With a Novel Transcatheter Edge-to-Edge Repair System: Insights From Real-World Data.** *JACC. Cardiovascular interventions*
  Waggoner, T., Garcia, S., Chakravarty, T., Makar, M., Latib, A., Kipperman, R. M., Zahr, F., Hanson, I., Sinha, A. K., Sharma, R. P., Depta, J. P., Castellanos, J. A., Kodali, et al
  2025; 18 (16): 2036-2046

- **FFRangio-guided versus pressure wire-guided PCI: design and rationale of the multicentre, randomised ALL-RISE trial.** *EuroIntervention : journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*
  Redfors, B., Madhavan, M. V., Kirtane, A. J., Fearon, W. F., Yeh, R. W., Cohen, D. J., Al-Lamee, R., Jeremias, A., Witberg, G., Sharma, R. P., Popma, A., Kaki, A., Froimovich, et al
  2025; 21 (16): 961-969

- **2025 SCAI/HRS clinical practice guidelines on transcatheter left atrial appendage occlusion.** *Heart rhythm*
  Goldsweig, A. M., Glikson, M., Joza, J., Kavinsky, C. J., Khalique, O., Lakkireddy, D., Mackensen, G. B., Naccarelli, G. V., Nair, D. G., Saw, J., Sharma, R. P., Sherwood, M., Szerlip, et al
  2025

- **Tricuspid Regurgitation and 3-Year Mortality After Transseptal Mitral Valve-in-Valve Replacement.** *JACC. Cardiovascular interventions*
  Goel, K., Lindenfeld, J., Yadav, P., Hahn, R. T., Guerrero, M. E., Chadderdon, S., Sharma, R. P., Smith, R., Thourani, V., Eleid, M. F., Davidson, C. J., Barker, C., Kodali, et al
  2025; 18 (11): 1438-1449

- **Acute Valve Syndrome in Aortic Stenosis** *STRUCTURAL HEART-THE JOURNAL OF THE HEART TEAM*
  Genereux, P., Pellikka, P. A., Lindman, B. R., Pibarot, P., Garcia, S., Koulogiannis, K. P., Rodriguez, E., Thourani, V. H., Dobbles, M., Giustino, G., Sharma, R. P., Cohen, D. J., Schwartz, et al
  2025; 9 (4)

- **Transcatheter Aortic Valve Replacement in Patients With Interventricular Membranous Septal Aneurysms.** *JACC. Case reports*
  Theriault-Lauzier, P., Dawson, L. P., Wong, C. C., Sharma, R. P., Fearon, W. F., Kang, G., MacArthur, J. W., Pogatchnik, B. P., Krishnam, M. S., Yeung, A. C.
  2025; 30 (1): 102715

- **Interatrial septum dissection and closure from transseptal puncture during mitral transcatheter edge-to-edge repair: a case report.** *European heart journal. Case reports*
  Kim, I., Li, X. E., Lauzier, P. T., Sharma, R. P., Haeffele, C.
  2024; 8 (11): ytae559

- **Exaggerated Pressure Recovery during Pregnancy: A Multimodal Approach to Assessment of Prosthetic Aortic Stenosis Severity.** *CASE (Philadelphia, Pa.)*
  Connor, B., Takei, M., Woo, J., Conrad, D., Sharma, R., Lui, G.
  2024; 8 (11): 491-495

- **Transcatheter Valve Replacement in Severe Tricuspid Regurgitation.** *The New England journal of medicine*
  Hahn, R. T., Makkar, R., Thourani, V. H., Makar, M., Sharma, R. P., Haeffele, C., Davidson, C. J., Narang, A., O'Neill, B., Lee, J., Yadav, P., Zahr, F., Chadderdon, et al
  2024

- **Quality of Life After Transcatheter Tricuspid Valve Replacement: 1-Year Results From TRISCEND II Pivotal Trial.** *Journal of the American College of Cardiology*
  Arnold, S. V., Hahn, R. T., Thourani, V. H., Makkar, R., Makar, M., Sharma, R. P., Haeffele, C., Davidson, C. J., Narang, A., O'Neill, B., Lee, J., Yadav, P., Zahr, et al
  2024

- **Mortality Burden for Patients With Untreated Aortic Regurgitation.** *JACC. Advances*
  Généreux, P., Amoroso, N. S., Thourani, V. H., Rodriguez, E., Sharma, R. P., Pinto, D. S., Kwon, M., Dobbles, M., Pellikka, P. A., Gillam, L. D.
  2024; 3 (10): 101228

- **Benchtop Flow Stasis Quantification: In Vitro Methods and In Vivo Possibilities.** *Cardiovascular engineering and technology*
  Sadri, V., Midha, P. A., Madukauwa-David, I. D., Kamioka, N., Trusty, P. M., Nair, P. J., Cohen, S., Raghav, V., Sharma, R., Babaliaros, V., Yoganathan, A. P.
  2024

- **Impact of Tricuspid Regurgitation on Outcomes of Transcatheter Aortic Valve Replacement With Balloon-Expandable Valves.** *JACC. Cardiovascular interventions*
  Zahr, F., Elmariah, S., Vemulapalli, S., Kodali, S. K., Hahn, R. T., Anderson, A. S., Eleid, M. F., Davidson, C. J., Sharma, R. P., O'Neill, W. W., Bethea, B., Thourani, V. H., Chakravarty, et al
  2024; 17 (16): 1916-1931

- **Paravalvular Leak Closure After Self-Expanding Transcatheter Aortic Valve Replacement Using a Steerable Sheath.** *Journal of the Society for Cardiovascular Angiography & Interventions*
  Dawson, L. P., Kim, I., Haeffele, C., Sharma, R.
  2024; 3 (8): 102020

- **Clinical journey for patients with aortic regurgitation: A retrospective observational study from a multicenter database.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
  Amoroso, N. S., Sharma, R. P., Généreux, P., Pinto, D. S., Dobbles, M., Kwon, M., Thourani, V. H., Gillam, L. D.
  2024

- **A case report of successful primary percutaneous coronary intervention to an occluded anomalous left main coronary artery arising from the right coronary sinus.** *European heart journal. Case reports*
  Wong, C. C., Pogatchnik, B. P., Clark, D. E., Sharma, R. P.
  2024; 8 (4): ytae192

- **Racial/Ethnic Disparities in Aortic Valve Replacement Among Medicare Beneficiaries in the United States, 2012-2019.** *The American journal of medicine*
  Gupta, A., Mori, M., Wang, Y., Pawar, S. G., Vahl, T., Nazif, T., Onuma, O., Yong, C. M., Sharma, R., Kirtane, A. J., Forrest, J. K., George, I., Kodali, et al
  2024

- **Mitral Transcatheter Edge-to-Edge Repair With the PASCAL Precision System: Device Knobology and Review of Advanced Steering Maneuvers.** *Structural heart : the journal of the Heart Team*
  Garcia, S., Elmariah, S., Cubeddu, R. J., Zahr, F., Eleid, M. F., Kodali, S. K., Seshiah, P., Sharma, R., Lim, D. S.
  2024; 8 (1): 100234

- **Effect of Ascending Aortic Curvature on Flow in the Sinus and Neo-sinus Following TAVR: A Patient-Specific Study.** *Annals of biomedical engineering*
  Kim, J. H., Sadri, V., Chen, H., Bhat, S., Kohli, K., Makkar, R., Babaliaros, V. C., Sharma, R. P., Yoganathan, A. P.
  2023

- **Transfemoral tricuspid valve replacement and one-year outcomes: the TRISCEND study.** *European heart journal*
  Kodali, S., Hahn, R. T., Makkar, R., Makar, M., Davidson, C. J., Puthumana, J. J., Zahr, F., Chadderdon, S., Fam, N., Ong, G., Yadav, P., Thourani, V., Vannan, et al
  2023

- **Contemporary Practice Patterns and Outcomes for Patients With Mitral Regurgitation: Results From a Large Multicenter Real-World Database**
  Sharma, R., Cubeddu, R., Genereux, P., Eberst, K., Rodriguez, E., Gillam, L.
  ELSEVIER SCIENCE INC.2023: B179-B180

- **Patient-Reported Outcomes in Tricuspid Valve Intervention: Patient Preference Results From the TRISCEND II Trial**
  Brener, M., Barker, C., Davidson, C., Narang, A., Sharma, R., Haeffele, C., Yadav, P., Thourani, V., Kodali, S., Hahn, R., Makkar, R., Makar, M., Hausleiter, et al
  ELSEVIER SCIENCE INC.2023: B289-B290

- **The Mortality Burden of Untreated Aortic Stenosis.** *Journal of the American College of Cardiology*
  Généreux, P., Sharma, R. P., Cubeddu, R. J., Aaron, L., Abdelfattah, O. M., Koulogiannis, K. P., Marcoff, L., Naguib, M., Kapadia, S. R., Makkar, R. R., Thourani, V. H., van Boxtel, B. S., Cohen, et al
  2023

- **Response to Letter to the Editor: Can we use an algorithm as an "Ariadne's thread" to escape the maze of mitral regurgitation phenotype?** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
  Asch, F. M., Sharma, R. P., Cubeddu, R. J., Généreux, P., Dobbles, M., Verhoef, K., Kwon, M., Rodriguez, E., Thomas, J. D., Gillam, L. D.
  2023

- **Emergency Transcatheter Repair for Anterior Leaflet Tear Following Percutaneous Balloon Mitral Valvuloplasty.** *JACC. Case reports*
  Dowling, C., Haeffele, C., Yeung, A. C., Sharma, R. P.
  2023; 23: 101980

- **Gaps in Contemporary Echocardiographic Reporting Quality for Mechanisms of Mitral Regurgitation: A Call to Action.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
  Asch, F. M., Sharma, R. P., Cubeddu, R. J., Généreux, P., Dobbles, M., Verhoef, K., Kwon, M., Rodriguez, E., Thomas, J. D., Gillam, L. D.
  2023

- **Percutaneous Treatment of an Aorto-Right Ventricular Fistula FollowingBalloon-Expandable Transcatheter Aortic Valve Replacement.** *JACC. Case reports*
  Dowling, C., Haeffele, C., Pogatchnik, B. P., Sharma, R. P.
  2023; 18: 101906

- **Strategies for Transcatheter Aortic Valve Replacement in Patients With a Right Aortic Arch** *STRUCTURAL HEART-THE JOURNAL OF THE HEART TEAM*
  Wang, H., Akanbi, O., MacArthur, J. W., Sharma, R. P.
  2023; 7 (2)

- **Percutaneous Bailout Technique for Trapping an Embolized Valve During Valve-in-Valve TAVR.** *The Journal of invasive cardiology*
  Stathogiannis, K. E., MacArthur, J. W., Lee, J. T., Sharma, R. P.
  2023; 35 (3): E160

- **Percutaneous Bailout Technique for Trapping an Embolized Valve During Valve-in-Valve TAVR** *JOURNAL OF INVASIVE CARDIOLOGY*
  Stathogiannis, K. E., MacArthur, J. W., Lee, J. T., Sharma, R. P.
  2023; 35 (3): E160

- **Ongoing experience with patient-specific computer simulation of transcatheter aortic valve replacement in bicuspid aortic valve.** *Cardiovascular revascularization medicine : including molecular interventions*
  Dowling, C., Gooley, R., McCormick, L., Sharma, R. P., Yeung, A. C., Fearon, W. F., Dargan, J., Khan, F., Firoozi, S., Brecker, S. J.
  2023

- **Assessment of Safety of a Fully Implanted Endovascular Brain-Computer Interface for Severe Paralysis in 4 Patients: The Stentrode With Thought-Controlled Digital Switch (SWITCH) Study.** *JAMA neurology*
  Mitchell, P., Lee, S. C., Yoo, P. E., Morokoff, A., Sharma, R. P., Williams, D. L., MacIsaac, C., Howard, M. E., Irving, L., Vrljic, I., Williams, C., Bush, S., Balabanski, et al
  2023

- **First described mitral clip in an adult extracardiac Fontan patient: a case report.** *European heart journal. Case reports*
  Haeffele, C. L., Lui, G. K., Peng, L., Chan, F., Sharma, R. P.
  2023; 7 (1): ytac479

- **Racial Disparities in Transcatheter and Surgical Aortic Valve Replacement Among Medicare Beneficiaries in the United States, 2012-2019**
  Gupta, A., Mori, M., Wang, Y., Vahl, T., Nazif, T., Onuma, O. K., Yong, C. M., Sharma, R., Kirtane, A. J., Forrest, J. K., George, I., Kodali, S. K., Chikwe, et al
  LIPPINCOTT WILLIAMS & WILKINS.2022: A9462

- **The Tendyne Valve: A Novel Approach to Mitral Valve Replacement**
  Shah, N., Haeffele, C., Sharma, R., Tuzovic, M.
  LIPPINCOTT WILLIAMS & WILKINS.2022: A12723

- **Coronary Artery Disease in a Young Adult With Unilateral Moyamoya Disease.** *Journal of the Society for Cardiovascular Angiography & Interventions*
  Stathogiannis, K. E., Pogatchnik, B. P., Steinberg, G. K., Sharma, R. P.
  2022; 1 (6): 100459

- **Prognostic Impact of Cardiac Damage Across the Spectrum of Aortic Stenosis Severity: Results From a Large Real-World Database**
  Genereux, P., Sharma, R., Cubeddu, R., Leon, M., Cohen, D., Kapadia, S., Makkar, R., Thourani, V., Dobbles, M., Barnhart, G., Gillam, L.
  ELSEVIER SCIENCE INC.2022: B163-B164

- **A randomized evaluation of the TriGuard HDH cerebral embolic protection device to Reduce the Impact of Cerebral Embolic LEsions after TransCatheter Aortic Valve ImplanTation: the REFLECT I trial.** *European heart journal*
  Lansky, A. J., Makkar, R., Nazif, T., Messe, S., Forrest, J., Sharma, R., Schofer, J., Linke, A., Brown, D., Dhoble, A., Horwitz, P., Zang, M., DeMarco, et al
  2021
- **Randomized Evaluation of TriGuard 3 Cerebral Embolic Protection After Transcatheter Aortic Valve Replacement: REFLECT II.** *JACC. Cardiovascular interventions*
  Nazif, T. M., Moses, J. n., Sharma, R. n., Dhoble, A. n., Rovin, J. n., Brown, D. n., Horwitz, P. n., Makkar, R. n., Stoler, R. n., Forrest, J. n., Messé, S. n., Dickerman, S. n., Brennan, et al
  2021; 14 (5): 515–27
- **Transcatheter aortic valve thrombosis: a review of potential mechanisms.** *Journal of the Royal Society, Interface*
  Raghav, V., Midha, P., Sharma, R., Babaliaros, V., Yoganathan, A.
  2021; 18 (184): 20210599
- **Randomized Trials Are Needed for Transcatheter Mitral Valve Replacement.** *JACC. Cardiovascular interventions*
  Rogers, J. H., Sorajja, P., Thourani, V. H., Sharma, R. P., Chehab, B., Cowger, J., Heimansohn, D., Badhwar, V., Guerrero, M., Ailawadi, G.
  2021; 14 (18): 2039-2046
- **The role of flow stasis in transcatheter aortic valve leaflet thrombosis.** *The Journal of thoracic and cardiovascular surgery*
  Trusty, P. M., Bhat, S. S., Sadri, V., Salim, M. T., Funnell, E., Kamioka, N., Sharma, R., Makkar, R., Babaliaros, V., Yoganathan, A. P.
  2020
- **A Review of the Partner Trials.** *Interventional cardiology clinics*
  Markham, R., Sharma, R.
  2020; 9 (4): 461–67
- **Self-expanding intra-annular versus commercially available transcatheter heart valves in high and extreme risk patients with severe aortic stenosis (PORTICO IDE): a randomised, controlled, non-inferiority trial.** *Lancet (London, England)*
  Makkar, R. R., Cheng, W., Waksman, R., Satler, L. F., Chakravarty, T., Groh, M., Abernethy, W., Russo, M. J., Heimansohn, D., Hermiller, J., Worthley, S., Chehab, B., Cunningham, et al
  2020
- **Comparison of Valve Performance of the Intra-Annular Self-Expanding Portico (TM) Transcatheter Aortic Valve With Contemporary Supra-Annular Self-Expanding and Intra-Annular Balloon-Expandable Valves: Insights From the PORTICO IDE Trial**
  Makkar, R. R., Waksman, R., Groh, M., Russo, M. J., Hermiller, J., Worthley, S., Chehab, B., Asch, F. M., Sharma, R. P., Jilaihawi, H., Pichard, A. D., Reardon, M. J., Fontana, et al
  ELSEVIER SCIENCE INC.2020: S46
- **Percutaneous Pulmonary Vein Stenting to Treat Severe Pulmonary Vein Stenosis After Surgical Reconstruction.** *Innovations (Philadelphia, Pa.)*
  Dalal, A. R., Markham, R. n., Haeffele, C. n., Sharma, R. n., Watkins, A. C.
  2020: 1556984520933962
- **Endovascular Neuromodulation: Safety Profile and Future Directions.** *Frontiers in neurology*
  Raza, S. A., Opie, N. L., Morokoff, A., Sharma, R. P., Mitchell, P. J., Oxley, T. J.
  2020; 11: 351
- **Timing and Outcomes of Percutaneous Coronary Intervention in Patients Who Underwent Transcatheter Aortic Valve Implantation.** *The American journal of cardiology*
  Ochiai, T. n., Yoon, S. H., Flint, N. n., Sharma, R. n., Chakravarty, T. n., Kaewkes, D. n., Patel, V. n., Nakamura, M. n., Cheng, W. n., Makkar, R. n.
  2020
- **Motor neuroprosthesis implanted with neurointerventional surgery improves capacity for activities of daily living tasks in severe paralysis: first in-human experience.** *Journal of neurointerventional surgery*
  Oxley, T. J., Yoo, P. E., Rind, G. S., Ronayne, S. M., Lee, C. M., Bird, C. n., Hampshire, V. n., Sharma, R. P., Morokoff, A. n., Williams, D. L., MacIsaac, C. n., Howard, M. E., Irving, et al
  2020
- **Variation in the Timing of Percutaneous Coronary Intervention and Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement**

Ochiai, T., Yoon, S., Flint, N., Sharma, R., Patel, V., Chakravarty, T., Nakamura, M., Cheng, W., Makkar, R.
ELSEVIER SCIENCE INC.2019: B670

- **Patching residual leaks following a MitraClip procedure** *EUROINTERVENTION*
  Kar, S., Sharma, R.
  2019; 15 (6): E482–E483

- **Computed tomography characteristics of the aortic valve and the geometry of SAPIEN 3 transcatheter heart valve in patients with bicuspid aortic valve disease** *EUROPEAN HEART JOURNAL-CARDIOVASCULAR IMAGING*
  Kawamori, H., Yoon, S., Chakravarty, T., Maeno, Y., Kashif, M., Israr, S., Abramowitz, Y., Mangat, G., Miyasaka, M., Rami, T., Kazuno, Y., Takahashi, N., Jilaihawi, et al
  2018; 19 (12): 1408–18

- **Transcatheter aortic valve replacement in bicuspid aortic valve stenosis: where do we stand?** *JOURNAL OF CARDIOVASCULAR SURGERY*
  Yoon, S., Sharma, R., Chakravarty, T., Miyasaka, M., Ochiai, T., Nomura, T., Gellada, N., Nemanpour, S., Nakamura, M., Chen, W., Makkar, R.
  2018; 59 (3): 381–91

- **Response by Sharma et al to Letter Regarding Article, "The Fluid Mechanics of Transcatheter Heart Valve Leaflet Thrombosis in the Neosinus".** *Circulation*
  Sharma, R., Midha, P. A., Babaliaros, V., Makkar, R. R., Yoganathan, A. P.
  2018; 137 (19): 2094-2095

- **Recurrent severe aortic stenosis after transfemoral transcatheter valve-in-valve-in-valve replacement** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Ochiai, T., Yoon, S., Sharma, R., Chakravarty, T., Nakamura, M., Cheng, W., Makkar, R.
  2018; 155 (5): E141–E144

- **Too little, too much or just right? Goldilocks revisited….** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
  Sharma, R., Henry, T. D.
  2018; 91 (5): 840-841

- **Relation Between Left Ventricular Outflow Tract Calcium and Mortality Following Transcatheter Aortic Valve Implantation** *AMERICAN JOURNAL OF CARDIOLOGY*
  Maeno, Y., Abramowitz, Y., Yoon, S., Israr, S., Jilaihawi, H., Watanabe, Y., Sharma, R., Kawamori, H., Miyasaka, M., Kazuno, Y., Takahashi, N., Hariri, B., Mangat, et al
  2017; 120 (11): 2017–24

- **The Fluid Mechanics of Transcatheter Heart Valve Leaflet Thrombosis in the Neosinus** *CIRCULATION*
  Midha, P. A., Raghav, V., Sharma, R., Condado, J. F., Okafor, I. U., Rami, T., Kumar, G., Thourani, V. H., Jilaihawi, H., Babaliaros, V., Makkar, R. R., Yoganathan, A. P.
  2017; 136 (17): 1598-+

- **Effect of ascending aortic dimension on acute procedural success following self-expanding transcatheter aortic valve replacement A multicenter retrospective analysis** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Maeno, Y., Yoon, S., Abramowitz, Y., Watanabe, Y., Jilaihawi, H., Lin, M., Chan, J., Sharma, R., Kawashima, H., Israr, S., Kawamori, H., Miyasaka, M., Rami, et al
  2017; 244: 100–105

- **Clinical outcomes and prognostic factors of transcatheter aortic valve implantation in bicuspid aortic valve patients** *ANNALS OF CARDIOTHORACIC SURGERY*
  Yoon, S., Sharma, R., Chakravarty, T., Kawamori, H., Maeno, Y., Miyasaka, M., Nomura, T., Ochiai, T., Israr, S., Rami, T., Nakamura, M., Chen, W., Makkar, et al
  2017; 6 (5): 463–72

- **Advanced Imaging of Intracranial Atherosclerosis: Lessons from Interventional Cardiology** *FRONTIERS IN NEUROLOGY*
  Pavlin-Premrl, D., Sharma, R., Campbell, B. C. V., Mocco, J., Opie, N. L., Oxley, T. J.
  2017; 8: 387

- **Outcomes in Transcatheter Aortic Valve Replacement for Bicuspid Versus Tricuspid Aortic Valve Stenosis** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*

Yoon, S., Bleiziffer, S., De Backer, O., Delgado, V., Arai, T., Ziegelmueller, J., Barbanti, M., Sharma, R., Perlman, G. Y., Khalique, O. K., Holy, E. W., Saraf, S., Deuschl, et al

2017; 69 (21): 2579–89

- **Optimal sizing for SAPIEN 3 transcatheter aortic valve replacement in patients with or without left ventricular outflow tract calcification** *EUROINTERVENTION*

  Maeno, Y., Abramowitz, Y., Jilaihawi, H., Israr, S., Yoon, S., Sharma, R. P., Kazuno, Y., Kawamori, H., Miyasaka, M., Rami, T., Mangat, G., Takahashi, N., Okuyama, et al

  2017; 12 (18): E2177–E2185

- **Transcatheter Mitral Valve Replacement for Degenerated Bioprosthetic Valves and Failed Annuloplasty Rings.** *Journal of the American College of Cardiology*

  Yoon, S. H., Whisenant, B. K., Bleiziffer, S. n., Delgado, V. n., Schofer, N. n., Eschenbach, L. n., Fujita, B. n., Sharma, R. n., Ancona, M. n., Yzeiraj, E. n., Cannata, S. n., Barker, C. n., Davies, et al

  2017; 70 (9): 1121–31

- **Controversies in Out of Hospital Cardiac Arrest?** *Interventional cardiology clinics*

  Sharma, R. P., Stub, D.

  2016; 5 (4): 551-559

- **Impact of Body Mass Index on the Outcomes Following Transcatheter Aortic Valve Implantation** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*

  Abramowitz, Y., Chakravarty, T., Jilaihawi, H., Cox, J., Sharma, R. P., Mangat, G., Nakamura, M., Cheng, W., Makkar, R. R.

  2016; 88 (1): 127–34

- **Outcomes in Patients With Transcatheter Aortic Valve Replacement and Left Main Stenting The TAVR- LM Registry** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*

  Chakravarty, T., Sharma, R., Abramowitz, Y., Kapadia, S., Latib, A., Jilaihawi, H., Poddar, K., Giustino, G., Ribeiro, H. B., Tchetche, D., Monteil, B., Testa, L., Tarantini, et al

  2016; 67 (8): 951–60

- **Impact of Preprocedural B-Type Natriuretic Peptide Levels on the Outcomes After Transcatheter Aortic Valve Implantation** *AMERICAN JOURNAL OF CARDIOLOGY*

  Abramowitz, Y., Chakravarty, T., Jilaihawi, H., Lee, C., Cox, J., Sharma, R. P., Mangat, G., Cheng, W., Makkar, R. R.

  2015; 116 (12): 1904–9

- **Unmasking of familial long QT syndrome type 2 with crystal methamphetamine exposure** *HEART RHYTHM*

  Kumar, S., Sharma, R., Kalman, J. M.

  2014; 11 (10): 1836–38

- **Randomized double-blind placebo-controlled crossover study to determine the effects of esomeprazole on inhibition of platelet function by clopidogrel** *JOURNAL OF THROMBOSIS AND HAEMOSTASIS*

  Fernando, H., Bassler, N., Habersberger, J., Sheffield, L. J., Sharma, R., Dart, A. M., Peter, K. H., Shaw, J. A.

  2011; 9 (8): 1582–89