

Technical Literatures related to **TTK Chitra Heart Valve Prosthesis**

1. Channabasavaraj Shivalingaiah Hiremath, Aditya Narsipur Doddamane, Anagha Amarnath Tulsi, Shekhar Rao. Long-Term Outcomes After TTK Chitra Mechanical Heart Valve Implantation: a 20-Year Experience of Implantation in 2272 Consecutive Patients from a Single Tertiary Centre in India, *Indian Journal of Surgery*, 2023 October
<https://doi.org/10.1007/s12262-023-03948-0>
2. "Praveen Kerala Varma, Maniyal Vijayakumar, Gopichettipalayam Subbaratnam Bhuvaneshwar, Neethu Krishna. Evaluation of TTK Chitra heart valve prosthesis in pediatric patients, *Indian Journal of Thoracic and Cardiovascular Surgery*, 2023 Jan; 39(1): 37–41
<https://doi.org/10.1007/s12055-022-01440-0>"
3. "Praveen Kerala Varma, Maniyal Vijayakumar, Gopichettipalayam Subbaratnam Bhuvaneshwar, Adarsh Syla Kumar, Neethu Krishna. Long-term evaluation of TTK Chitra™ heart valve prosthesis — a retrospective-prospective cohort study, *Indian Journal of Thoracic and Cardiovascular Surgery*, 2023 Jan;39(1):14-26
<https://doi.org/10.1007/s12055-022-01437-9>"
4. Dr Kailash K Bagale, Dr Shrikant Bulla, Dr Prashant Harsur, Dr H Ashwin Kumar. A prospective study on TTK Chitra Heart Valve prosthesis in cardiac patients: a hospital-based study in Karnataka, *Indian Journal of Thoracic and Cardiovascular Surgery*, 2023, Vol 39: 238-243.
doi: 10.31838/jcdr.2023.14.03.47
5. Amber Malhotra, Sanjay R Pawar, Anubhav Srivastava, Balbir Singh Yadav, Ramprasad Kaushal, Praveen Sharma and Moolchand Songra. Clinical and hemodynamic study of tilting disc heart valve: Single-center study, *Asian Cardiovascular & Thoracic Annals*, Vol. 22(5) 519–525.
doi: 10.1177/0218492313475640
6. Srinivasan Muralidharan & Venkatadevananthan Muthubaskeran & Padmanabhan Chandrasekar. Ten years outcome of Chitra Heart Valve, *Indian Journal of Thoracic and Cardiovascular Surgery*.
doi: 10.1007/s12055-011-0080-x

7. Muralidharan S, Venkatadevanailjan. Long-term follow-up of TTK Chitra heart valve- Single centre experience, Indian Journal of Thoracic and Cardiovascular Surgery. doi: 10.1007/s12055-006-0571-3
8. Kapadia N, Ravikumar R, Choudhary S, Cherian V, Rao Suresh Selvimahalingam, Jagdeesh, Awankumar, Madanmohan AS, Balakrishnan K R. Our Experience with a TTK-Chitra Prosthetic Heart Valve, Cardiovascular Journal Of Africa, Vol 22, No 3. <https://hdl.handle.net/10520/EJC22924>
9. Pawan Kumar Bharat Dalvi, Raghvendra Chikkatur, Pranav Kandhachar, Rajesh Parida, Vinod Ahuja, Uday Eknath Jadhav, , Anil Tendolkar. TTK Chitra tilting disc valve: Hemodynamic evaluation, the journal of Thoracic and cardio vascular surgery, 023-04.p65. doi: 10.1007/s12055-004-0060-5
10. Narayanan Namboodiri A, Othayoth Shajeem A, Jaganmohan Tharakan A, R. Sankarkumar B, Thomas Titus A, Valaparambil Ajitkumar A, Sivasubramonian Sivasankaran A, Kavassery Mahadevan Krishnamoorthy A, Sivadasan Pillai Harikrishnan. Hemodynamic performance evaluation of TTK Chitra heart valve prosthesis in the aortic position using Doppler Echocardiography, Int J Cardiol. 2010 May 14;141(1):102-5. Epub 2008 Dec 24. doi: 10.1016/j.ijcard.2008.11.081
11. SR Krishna Manohar, MS Valiathan, Sankar Kumar, G S Bhuvaneshwar. Chitra Valve - Early Clinical Results, IJTCV.
12. KB Chandran, E U Dexter, S Aluri, W E Richenbacher. Negative Pressure Transients with Mechanical Heart Valve Closure: Correlation between in Vitro and In vivo Results, Annals of Biomedical Engineering, Vol 26, page 546-556. doi: 10.1114/1.79
13. Frederic Mouret, Vincent Garitey And Regis Rieu. Mitral Valve Prosthesis Regurgitation: Normal Conditions Versus Atrial Fibrillation, Cardiovascular Engineering: An International Journal Volume 2, pages 139-148 (2002).
14. Dhaliwal RS, Luthra S, Ramakrishna Das D. TTK Chitra heart valve- PGI experience, Indian journal of Thoracic and cardiovascular surgery, Volume 20, No.1. doi :10.1007/s12055-004-0399-7
15. Lalit Mohan Joshi, Sushil Kumar Singh, Salman Siddiqi, Sanjay Pandey, Girdhar Gopal Agrawal, Shekhar Tandon. Critical evaluation of clinical results with TTK- Sree Chitra

- valve, Indian journal of Thorasic and cardio vascular surgery, 21:15-17.
doi:10.1007/s12055-005-0064-9
16. C.S.Lee, T B. Chandran, and L.D. Chen. Cavitation dynamics of Mechanical Heart Valve Prostheses, Artificial Organs,18:No.10.
doi: 10.1111/j.1525-1594.1994.tb03315.x
 17. M. S. Valiathan. A Heart Valve Substitute, Current Science, Vol 61,No.2.
 18. A V. Ramani. India makes her own heart valve prosthesis, Current Science,Vol 61,No.2.
 19. C V Muraleedharan and G S Bhuvaneshwar. Saga of Chitra Heart Valve, January 2005, Silver Lines, Edition: I, Publisher: SCTIMST
doi :10.13140/2.1.4281.2488
 20. C V Muraleedharan And G S Bhuvaneshwar, M. S. Valiathan. Materials for Chitra Heart valve prosthesis - A review, Metals, Materials and Processes, Vol 7, No.2, pp 147-158.
 21. G. S. Bhuvaneshwar, C. V. Muraleedharan, G. Arthur Vijayan, R. Sankar Kumar, M. S. Valiathan. Development of Chitra Tilting Disc Heart Valve Prosthesis, Journal of Heart valve Diseases, Vol 5,No.4. PMID: 8858513
 22. M Nagarajan, S Muralidharan, P Chandrasekar .The TTK Chitra heart valve-A single centre experience with midterm results, Indian Journal of Thorasic and cardiovascular surgery, Vol 16, No.2.
doi:10.1007/s12055-000-0017-2
 23. R Sankarkumarl, GBhuvaneshwarl, R Magotra, S. Muralidharan, RS. Rajan, D. Saha, K.S.V.K. Subba Rao, M.S. Valiathan, S. Radhakrishna, A.V. Ramani.Chitra Heart Valve:Results of a Multi center Clinical Study, Journal of Heart valve Diseases, Vol 10,No.5.
 24. DV Ramana, RV Kumar, RC Mishra, KV Ramana, P Rajgopal.Intermediate term follow up and results of TTK Chitra valve in mitral position,Indian journal of Thorasic and cardio vascular surgery, Vol 17, page 6.
 25. Reddy S N, Kumar P, Thakur N, Kulkarni D. Raghavendra. Pranav.Jadhav U. Tendolkar AG .Clinical and 2D-Echoevaluation at Chitra Valve in Mitral and Aortic position, Indian journal of Thorasic and cardio vascular surgery, Vol 18,Page 38.
 26. RS Dhaliwal, Deepakpuri, Yashpal Shamlal. Clinical Evaluation of TTK Chitra mechanical Heart valves, Indian journal of Thorasic and cardiovascular surgery, Vol 17, page 23.

27. Modi R, Karpagavalli, Kurian Vm, Rajan S, Shankar M, Gnanaraj A, Mullasari A, Cherian Km. Shree Chitra Prosthetic Valve - initial results, Indian journal of Thorasic and cardiovascular surgery, Vol 18, Page 38.
28. Sankarkumar R, Magotra R, Muralidharan S, Rajan Rs, Saha D, Subba D, Subba Rao, Ksvk, Ms Valiathan. Chitra Heart Valve: Midterm Results of a Multi centric Trial, Indian Journal of Thorasic and Cardiovascular Surgery, Vol 18, Page 41.
29. Pawan Kumar, Panav Sk, Kulkarni, Raghvendra C, Sredhar Reddy, Uday Jadhav, Ag Tendolkar. Experience with Chitra Valve, Indian Journal of Thorasic and cardiovascular surgery, Vol 19, page 28.
30. Vashisth R, Chakraborty A, Guha I, Dey A, Dey S, Sengupta G, Banerjee J, Chatterjee Rn, Mukherjee S, Chakraborty S. Hemodynamic performance of Chitra & St. Judes prosthetic heart valve—Our experience, Indian journal of Thorasic and cardiovascular surgery, Volume 20, No.1.
DOI:10.1007/s12055-004-0400-5
31. Kumar P, Pranav SK, Raghavendra C, Parida R, Jadhav U, Tendolkar AG, Ahuja V. The TTK Chitra valve in aortic and mitral position, Indian journal of Thorasic and cardiovascular surgery.
DOI:10.1007/s12055-004-0387-y
32. Dhaliwal Rs, Manoj R, Luthra S, Das D. Comparison of TTK Chitra and St. Jude valves, Indian journal of Thorasic and cardiovascular surgery, Vol 21: page 77.
33. Umre Ma, Saraswat A, Kalra S, Bhardwaj A, Prasad J. Our experience with Shree Chitra (TTK) valve, Indian journal of Thorasic and cardiovascular surgery, Vol 21: page 75.
34. Raghavendra C, Jadhavve, Pandar, Kumars, Vinodahuja, Agrawal A, Raon, Tendolkarag. Postoperative echo evaluation in Chitra valves in Aortic Positions, Indian journal of Thorasic and cardiovascular surgery,.
35. Bryan P Fritz, Keefe B Manning, Varun Reddy, Christopher M Maggerty, Luke H Herbertson, Arnold A Fontaine, Steven Deutsch. De. Comparison of cavitation intensity between TTK-Chitra and Bjork-shiley mono strut mechanical heart valves, ASAIO Journal, 52(2):63A.
36. Mandiye Ss, Yadav A, Pathak S, Kanhere Vm, Pande H. Five year follow up of TTK Chitra valves in victims of Bhopal gas tragedy, Indian journal of Thorasic and cardiovascular surgery, Vol 23, page 69.

37. Narayanan Namboodiri, Othayoth Shajeem, Jaganmohan A. Tharakan, R. Sankarkumar, Thomas Titus, Ajitkumar Valaparambil, Sivasubramonian Sivasankaran, Kavassery Mahadevan Krishnamoorthy, Sivadasan Pillai Harikrishnan, And Santosh Kumar Dora. Doppler Echocardiographic assessment of TTK Chitra prosthetic heart valve in the mitral position, *European Journal of Echocardiography*,9(5):599-604.
38. Vashisth R, Chakraborty A. Guha I. Dey A. Dey S. Sengupta C. Banerjee J. Chatterjee RN. Mukhejee S. Chakraborty S . Hemodynamic evaluation and clinical outcome with TTK Chitra tilting disc valve- SJIC Bangalore experience, *Indian journal of Thorasic and cardio vascular surgery*, Vol 24,page 72.
39. Ragavendra C.Jadhav UE,Pandar, Kumars. Vinod Ahuja. Agrawal A. Raon, Tendolkar AG. Post-Operative Echo Evaluation in Chitra valves in Mitral and Aortic Positions, *Indian journal of Thorasic and cardio vascular surgery*,Vol 22,page 54.
40. Balu Vaidyanathan, V Satyaprasad, K Shivaprakasha, Suresh G Rao, R Krishna Kumar. Heart valve replacement using TTK Chitra heart valve in children and adolescents- short term results from a single centre, Amrita Institute of Medical Sciences, Kochi, Abstract No. 215.
41. Cherian Koshy, R Krishna Kumar, Aranya Aniruddhan,V Satyaprasad, Ap Chandrashekar, Kk Haridas. Intermediate term hemodynamic evaluation of TTK Chitra tilting disc heart valves, Amrita Institute of Medical Sciences, Kochi, and Abstract No. 199.
42. Krishnan B.Chandran, Chong San Lee, Lea D. Chen. Pressure field in the vicinity of Mechanical valve Occluder at the instant of valve closure: Correlation with cavitation Initiation, *Journal of Heart valve Diseases*, Vol 3, and S65-S76.
43. Chandran, K. B. Aluri, S. Mechanical Valve closing Dynamics: Relationship between the velocity of closing, Pressure Transients and Cavitation Initiation, *Annals of Biomedical Engineering*,26:926-938.
44. Sk Varma, Jithendra Rathod, Srinivasan Muraleedharan .Outcome of pregnancy in patients on oral anticoagulants for prosthetic heart valves-some new insights, *Indian Journal of Thorasic and cardiovascular surgery*, Vol 19, page 25.
45. Praveen Varma, Manoranjan Misra, Vishnupuri Venkatraman Radhakrishnan And Kurur Sankaran Neelakandhan. Fatal postoperative gastrointestinal haemorrhage

- because of angiodysplasia of the small intestine in aortic regurgitation, *Interactive Cardiovascular and Thoracic Surgery*,3:118-120.
46. Soma Guhathakurta, V.M. Kurian, Manmohan, K.M. Cherian .Mitral Valve Re operation through the Left Atrial Appendage in a Patient with Mesocardia, *Tex Heart Inst J.* ,31(3): 316-318.
 47. Dhinakaran Kg, Mohan K, Kuriakose Km, Miswar Va. Mitral Valve replacement - "Chordal sparing technique"-A comparative study, *Indian journal of Thorasic and cardio vascular surgery*, Vol 21, page 77.
 48. Dhinakaran Kg, Venugopal K, Praveen Sv, Shafeek A. Prosthetic valve disease- A cross sectional study, *Indian journal of Thorasic and cardio vascular surgery*, Vol 21:page 80.
 49. Raghuram Ar, Kumar S, Balamurugan K, Sankarasubramanian V, Babu Cs, Krishnan RM. Our experience with valve surgery, *Indian journal of Thorasic and cardio vascular surgery*, Vol 21:page 81.
 50. Chikattur R, Kumar P, Parida R, Ahuja V, Agarwal A, Rathore K S, Jadav , Tendolkar Ag. Double valve replacement: Our experience, *Indian journal of Thorasic and cardio vascular surgery*, Vol 21:page 76.
 51. Chikkatur R, Kumar P, Prida R, Ahuja V. Agarwal A, Rathore Ks, Jadhav U, Tendolkar Ag . Fibroelastoma of Aortic valves, *Indian journal of Thorasic and cardio vascular surgery*, Vol 21:page 74.
 52. Muthialu Nagarajan, Shashi Kumar Varma, Sundar Ramanathan, Padmanabhan Chandrasekar, Kolli Madhusudana Rao, Srinivasan Muralidharan. Our experience with aortic root replacement using hand-sewn composite valve graft, *Indian journal of Thorasic and cardiovascular surgery*,21:No.2.
 53. R K Kumar And S Shrivastava . Pediatric heart care in India, *Heart*, 94:984-990.
 54. Ttunkur Shivaktunaraswamy, Prashajlt Mishra, Biphl Radhakristman, Jayajlt Khandekar, Najldkishore Agrawal, Anil Patwardhajl, Jagdish Khajldeparkar. Intravascular hemolysis in patients with normally functioning mechanical heart valves in mitral position, *Indian journal of Thorasic and Cardiovascular Surgery*, 22, No.4.
 55. Muraleedharan C V, Bhuvaneshwar GS. Failure mode and effect analysis of Chitra Heart Valve Prosthesis, *Proceedings RC IEEE - EMBS & 14th BMESI*, - .

56. Kalyani Nair, C V Muraleedharan and G S Bhuvaneshwar. Developments in mechanical heart valve prosthesis, *Sadhana*, Vol 28, pp 575-587.
57. C V Muraleedharan and G S Bhuvaneshwar, A. V. Ramani, M. S. Valiathan. Evaluation of materials for artificial heart valves, *Bullets of Material Science*, Vol 14, No.6, pp 1363-1374.
58. L. H. Edmunds Jr. R. E. Clark L. H. Cohn G. L. Grunkemeier D. C. Miller R. D. Weisel .Guidelines for reporting morbidity and mortality after cardiac valvular operations, *European Journal of Cardio Thoracic Surgery*,10: 812-816.
59. C V Muraleedharan and G S Bhuvaneshwar, A. V. Ramani. Adhesive and abrasive wear studies on polymer for use in prosthetic heart valves
60. G S Bhuvaneshwar, M. S. Valiathan. Prosthetic Heart Valve - An overview,*Medical & life sciences Engg*,Vol 7, No.2, pp 79-81.
61. M S Valiathan .A surgeon's quest, *J. Bioscience*. 33 313-326
62. K Madhan Kumar, Irineu, Chiran Babu, Anil Kumar, J Balachander, M Nachiappan, Ksvk Subba Rao. Anti coagulation dose to maintain higher INR for high risk patients with mitral valve replacement helps in reducing thromboembolic complications – A preliminary report , *Indian journal of Thorasic and cardio vascular surgery*, Pg: 19-23.
63. Bryan P Fritz, Keefe B Manning, Varun Reddy, Christopher M Haggerty, Luke H Herbertson, Arnold A Fontaine, Steven Deutsch. Department of Bioengineering, the Pennsylvania State University, University Park, PA. Comparison of cavitation intensity between TTK-Chitra and Bjork-Shiley mono strut mechanical heart valves, *ASAIO Journal*, Issue: Volume 52(2).
64. Palappallil Sasidharan Dhanya & Chooriyil Nidheesh & Kudakkachira Mathew Kuriakose & Narayanan Puthiyaveetil. Pattern of oral anticoagulant use following prosthetic heart valve replacement: a prospective observational study, *Indian Association of Cardiovascular-Thoracic Surgeons*, Vol: 27(3) Pg: 119-124.
65. Dr. Maria Aziz. Hemodynamic Evaluation of TTK Chitra Heart Valve by Doppler Echocardiography- At Mitral and Aortic Position, *International Journal of Advanced Research*, Volume 2, Issue 7, 111-121.
66. A.P.Java, A.K.Tidake, J.V.Khandekar, U.E.Jadhav, S.R.Dussa. Hemodynamic Parameters of Mono leaflet And Bi leaflet Prosthetic Valve at Mitral Position - Our Experience, *Lokmanya Tilak General Hospital & Medical College, Mumbai, India*.

67. Sreevathsa KS Prasad, Durga Prasad Rath, Bathal Vedagiri Sai Chandran, Thrombectomy or Valve re-replacement for mechanical valve obstruction – Is Thrombectomy a viable option? , JIPMER.
68. Hadi Mohammadia, Kibret Mequanintb. Prosthetic aortic heart valves: Modeling and design, Medical Engineering & Physics, Pg. 131–147.
69. S. Sujesh and A. Rajeev, Sachin J. Shenoy and P.R. Umashankar, C.V. Muraleedharan. An automated data acquisition system for capturing physiological parameters during animal trials of artificial heart valves, International Journal of Biomedical Engineering and Technology, Vol. 10, No. 1.
70. "Anakala Ramakrishnudu, Abhisheka Kumar Tripathi, O. Sai Satish, D. Sheshagiri Rao, Maddury Jyotsna. 65th Annual Conference of Cardiology Society of India - Effect of thrombolytic therapy for prosthetic valve thrombosis A single centre experience, Indian heart journal, Pg. 33-93."
71. "Suresh Kesavamurthy, Temple University Philadelphia. Chitra Valve - Are we scared of implanting indigenous valves?
doi :10.13140/2.1.2720.8648"
72. Nandkishore Kapadia, Vigit Cherian, Ravi Kumar, KR Balakrishnan, Har Priya, S Choudhary, K Chandrasekaran, Suresh Rao, Selvi Mahalingam, Madan Mohan, Fortis Malar Hospital, Chennai. Our experience with 248 TTK-Chitra valve implantation in 215 consecutive patients, Kuala Lumpur valve summit 2011, Malaysia, Vol 125, no 19.
73. Rajeev A, Akhil Mohan, Muraleedharan V. Charuvila, Muraleedharan C. Vayalappil. A Virtual Instrumentation System for Pulsatile Testing of Artificial Heart Valves, International Conference on System Dynamics and Control -ICSDC,.
74. Ranjith G, Rufus R, Arun Kumar N D, Sajin Raj A, Muraleedharan C V. Steady Flow Characterization of Prosthetic Heart Valves Using Computational Fluid Dynamics Techniques, International Conference on System Dynamics and Control -ICSDC,.
75. P. Rajashekar. Development of Mechanical Heart Valves - An Inspiring Tale , Journal of the Practice of Cardiovascular Sciences,.
76. Anila Reghunath¹ , Ranjith G² and Muraleedharan CV. Assessment of shear stress distribution in the vicinity of artificial heart valve using computational fluid dynamics, International Conference on System Dynamics and Control -ICSDC.
77. M. S. Valiathan .Chitra Valve: Lessons from an Odyssey , Indian Journal of Thoracic and Cardiovascular Surgery, Volume 9; Number 1.

78. G S Bhuvaneshwar, Ramani, M S Valiathan .Chitra Heart Valve Prosthesis ,Artificial Organs,volume 11 .
79. G S Bhuvaneshwar, A V Ramani, M S Valiathan .A tilting disc valve — component materials and hydraulic function,Bulletins of Materials Science, Volume 5, Issue 2, pp 111–121.
doi: 10.1007/BF02744023
80. "Saravana Babu, RupaSreedhar, ShrinivasV.Gadhinglajkar, Prasanta Kumar Dash, SubinSukesan, Vivek Pillai, VargheseT.Panicker, Lovhale PravinShriram, NeelamAggarwal. Intraoperative Trans esophageal and Postoperative Trans thoracic Echocardiographic Evaluation of a Mechanical Heart Valve Prosthesis Implanted at Aortic Position, Journal of Cardio thoracic and Vascular Anesthesia,Volume 32, Issue 2, pp 782-789."
doi:<https://doi.org/10.1053/j.jvca.2017.09.001>
81. Dr. Giriraj Garg, Dr.Rajkumar Yadav, Dr. Anil Sharma, Dr.Rajendra mohan mathur, Dr. Ramgopal Yadav, Dr. Rajesh Sharma, Dr. Ramswaroop sen, Dr. Praveen Singhal, Dr. Tejkaran. To Compare Pressure Gradient across Aortic Valve after Bileaflet and Tilting Disc Mechanical Valve Replacement by Post Operative Echocardiography, IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), Volume 18, Issue 4 Ser. 17 (April. 2019), PP 10-12.
doi: 10.9790/0853-1804171012
82. "Lalita Nemani1 Ramya Pechetty2.Additional Heart Sounds–Part 2 (Clicks, Opening Snap and More),Indian Journal of Cardiovascular Disease in Women WINCARS , Vol. 5 No. 4/2020."
doi: <https://doi.org/10.1055/s-0040-1722385>
83. "N. Swaminathan, Venkatesan S. Sangareddi, G. Ravishankar, Justin Paul, L. Alen Binny. Impact of Mitral Valve Replacement on the Right Ventricle Function in Mitral Stenosis, Journal of the Indian Academy of Echocardiography & Cardiovascular Imaging, Volume 4, Issue 3, September-December 2020."
doi: 10.4103/jiae.jiae_9_20
84. Shivanand Patil, Natraj Setty, Rangaraj Ramalingam, Mahesh Murthy Bedar Rudrappa, Cholenahally Nanjappa Manjunath.Study of prosthetic heart valve thrombosis and outcomes after thrombolysis, International Journal of Research in Medical Sciences, 2019 Apr;7(4):1074-1078

doi: 10.18203/2320-6012.ijrms20191079

85. Vivek Velayudhan Pillai¹ & Renjith Sreekantan¹ & Nayana Nemani² & Jayakumar Karunakaran¹. Survival and long-term outcomes after concomitant mitral and aortic valve replacement in patients with rheumatic heart disease, *Indian Journal of Thoracic and Cardiovascular Surgery*, 37(1):5–15, 2021.
doi.org/10.1007/s12055-018-0706-3
86. "Akshat Jain, Gurkirat Singh, Aniruddha Kaushik, Rahul Singla and Narendra Omprakash Bansal. Stuck Mitral Valve with Thromboembolic Stroke Managed with Anti coagulation and Mechanical Thrombectomy, *Cardiology and Angiology: An International Journal*;9(2): 10-15, 2020."
doi:10.9734/CA/2020/v9i230130
87. "Deepak R Nenwani, M. Nanda Kumaran, S. Venkatesan, C. Elangovan, P. M. Nageshwaran, J. Cecilly Mary Majella. Embolic ST-Segment Elevation Myocardial Infarction Following Aortic Prosthetic Valve Replacement: Diagnosis and Management Issues, *Journal of the Indian Academy of Echocardiography & Cardiovascular Imaging*; IP: 111.92.33.51."
doi:10.4103/jiae.jiae_26_19
88. Muthukumar Sundaram, Aayush Poddar, Ancy Robinson, Soundaravalli Balakrishnan, Muralidharan Srinivasan & Chandrasekar Padmanabhan .An unusual cause of acute mitral regurgitation in TTK Chitra heart valve prosthesis, *Indian Journal of Thoracic and Cardiovascular Surgery* (2021).
doi.org/10.1007/s12055-020-01134-5
89. "Devendra Saksena & Yugal K. Mishra & S. Muralidharan & Vivek Kanhere & Pankaj Srivastava & C. P. Srivastava & VHD India consensus committee. Follow-up and management of valvular heart disease patients with prosthetic valve: a clinical practice guideline for Indian scenario, *Indian Journal of Thoracic and Cardiovascular Surgery*, (January 2019) 35 (Suppl 1):S3–S44 ."
90. Megavath Motilal, Vijaya Rama Raju Nadakuditi*, Alla Gopala Krishna Gokhale, Sudhakar Koneru, Manoj Kumar Moharana, K. V. Ramana. The effect of mitral valve replacement on atrial fibrillation behaviour, *International Surgery Journal*, 2019 Apr;6(4):1159-1164.

91. Rinti Banerjee. Bio materials Science and Engineering in India: A Celebration of Inter disciplinary and Glimpses into the Future,ACS Bio materials Science and Engineering, DOI: 10.1021/acsbiomaterials.8b01642,ACS Biomater. Sci. Eng. 2019, 5, 1–2.
92. Abid Iqbal, Varghese Thomas Panicker & Jayakumar Karunakaran. Patient prosthesis mismatch and its impact on left ventricular regression, Indian Journal of Thoracic and Cardiovascular Surgery,2019 Jan;35(1):6-14 .
doi.org/10.1007/s12055-018-0706-3
93. "Sameer Mohammed1, MCh; Jayakumar Karunakaran1, MCh; Vivek V. Pillai1, MCh. Outcomes Following Supra coronary Ascending Aortic Replacement with Aortic Valve Re suspension versus Modified Bentall's Operation for Acute Type A Aortic Dissection, Braz J Cardiovasc Surg 2021-Ahead of print: 1-9,2021 Mar 1."
doi: 10.21470/1678-9741-2020-0147
94. Varghese T. Panicker, Renjith Sreekantan, Nagananda Lokanath.Preoperative mitral annulus size – Can we get it right?, Annals of Cardiac Anaesthesia, Volume 24,Issue 3, July-September 2021.
doi: 10.4103/aca.ACA_91_20
95. "Rajan Modi M.S.,Suresh Keshavamurthy, Veerappan B.S, Lakshmi B.S.,Nainar Madhu Sankar M.S., Valikapathalil Mathew Kurian M.S., Rajan Sethurathnam . Chitra valve – are we scared of implanting indigenous valves ?
doi: 10.13140/2.1.2720.8648,38018.
96. Marthanda Varma Sankaran Valiathan. Frugal innovation in cardiac surgery, Indian J Thorac Cardiovasc Surg, Volume 34, pages439–448 (2018).
doi.org/10.1007/s12055-018-0652-0
97. "Supaksh Mahindru, Shantanu Pande, Pulkit Malhotra, Ankit Thukral, Ankush Singh Kotwal, Rajan Prasad Gupta, Naveen Garg, Aditya Kapoor, Surendra Kumar Agarwal.Mechanical prosthetic valve thrombosis in current era: 5-year follow-up, Indian J Thorac Cardiovasc Surg, (March–April 2021) 37(2):140–146."
doi.org/10.1007/s12055-020-01041-9
98. "Rupesh Kaushik, Avinash Mani, Sanjay Ganapathi, Vivek V Pillai, Karunakaran Jayakumar, Harikrishnan S .Clinical outcomes of Bileaflet St. Jude Medical and tilting disc TTK Chitra mechanical heart valve prosthesis: A comparative study,Journal of Cardiac Surgery,2022 Aug;37(8):2367-2374."
doi: 10.1111/jocs.16605

"Varghese T. Panicker, Renjith Sreekantan, Nagananda Lokanath. Preoperative mitral annulus size – Can we get it right?, *Annals of Cardiac Anaesthesia*, 2021 July;24(3):315-318."

doi: 10.4103/aca.ACA_91_20

99. "Vasanth kumar, Umesh Yadav, Awan kumar, Vijaylakshmi. The Mechanical Heart Valve TTK CHITRA is inexpensive and of proven effectiveness (widely used in India and then in Nepal), *Medical Journal of Eastern Nepal* <https://www.bnchospital.edu.np>, 2022 June, 1(1):49-52."

100. "Hristo Kirov, Tulio Caldonazo, Torsten Doenst. Treatment of valvular heart disease in young patients—“early evidence” versus “latest fashion”, *Journal of Cardiac Surgery*, 2022 Aug; 37(8):2375-2377."

doi: 10.1111/jocs.16607

101. "Latchumanadhas Kalidoss, Vasu Nandhakumar, Vijayakumar Subban & Mulasari S. Ajit. Percutaneous Intervention for Stuck Mechanical Valve Leaflets at Mitral Position, *Structural Heart The Journal of the Heart Team*, Taylor and Francis online, 14 Jun 2021, page No. 427-432."

<https://doi.org/10.1080/24748706.2021.1927273>

102. "Yuri Savitri, Helma Humairah, Jauza Raudhatul, Jannah Mendrofa, Nurul Afni, Della Vega Nisha Ayuna. Patient with RHD EC MR severe, MS moderate and thrombus in IV, when we do the surgeon in cut meutia regional general hospital, *Journal Kedokteran Diponegoro (Diponegoro Medical Journal)*, 2022 November 11(6) : 325-332

<https://doi.org/10.14710/dmj.v11i6.35993>"

103. Sivaprasad Veerapudran, Deepthi Damodaran, Vivek Velayudhan Pillai, Geetha Natarajan, Premalathatha Thachakuzhiyil Krishna Pillai & Jayakumar Karunakaran. Left ventricular mass regression after aortic valve replacement with the TTK Chitra Mono leaflet tilting disc valve, *Indian Journal of Thoracic and Cardiovascular Surgery*, Vol 39, pages 238–243 (2023).

104. Venkatesa Kumar Anakaputhur Rajan, Ameya Kaskar, Sendur Selvam, Rahul Rao, Siddhant Mehra, Thiruthani Kumaran, Varun Shetty. Aortic valve replacement in small aortic root- Bi-leaflet mechanical valve is superior to a Mono-leaflet mechanical valve., *Indian Journal of Thoracic and Cardiovascular Surgery*. , Vol 39, pages 453–461 (2023).

<https://doi.org/10.1007/s12055-023-01520-9>

105. Jignesh Kothari, Sandip Lukhi, Utkarsh Sanghavi, Devvrat Desai, Ishan Gohil. A rare case series of mechanical prosthetic heart valve structural deterioration presented as severe mitral regurgitation, Heart, Vessels and Transplantation; , Vol 7, 2023.
doi: 10.24969/hvt.2022.396
106. Dr. V. Lalitha Kumari, Dr. Revathi Mekala, Dr. Nilofer Seema, Dr. K. Newton Issac. Prosthetic valve thrombosis and result study and thrombolysis outcomes, Journal of Cardiovascular Disease Research, Vol 14,1, 2023; pages 3876-3885.