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Appointed: January 2008

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| Medical School: | B. J. Medical College, Ahmedabad, India. |
| Specialty Training: | Fellowship – U.N. Mehta Institute of Cardiology and Research Centre, Ahmedabad, India. Internship – B.J. Medical College, Ahmedabad, India. Residency – Civil Hospital, Ahmedabad, India. |
| Specialty Interests: | Transradial coronary interventions, Transradial peripheral interventions, AICD and CRT implantations, Balloon valvuloplasties, Structural Heart Disease Interventions |

Biographical Sketch:

Dr. Tejas Patel is Chairman and Chief Interventional Cardiologist at Apex Heart Institute, Ahmedabad since August 2012. He is Professor and Head of Cardiology at Department of Cardiovascular Sciences, Sardar Vallabhbhai Patel Institute of Medical Sciences and Research (SVPIMSR), Smt. N.H.L. Municipal Medical College, affiliated to Gujarat University, Ahmedabad, India since February 2008. He has also been appointed as Professor in Department of Cardiology at Virginia Commonwealth University Medical Center, Richmond, USA since 2013. Between 1997 and 2012 he has worked in different institutions including Rajasthan Hospital, Krishna Heart institute, Sterling Hospital and SAL Hospital. Dr. Patel is an internationally recognized expert in transradial coronary and peripheral interventions having performed well over 100,000 cath lab procedures.

A native of Gujarat, India, Dr. Patel completed his schooling with honors scoring sixth highest out of 30,000 students in Gujarat University, India and winning award from National Scholarship Program of Ministry of Education and Culture, Government of India. He did his undergraduate work at B.J. Medical College affiliated to Gujarat University, India and received the degree of M.B.B.S. securing first position amongst 350 students, procuring three gold medals. He completed his internship and residency in internal medicine at Civil Hospital, B.J. Medical College, Ahmedabad, India receiving the degree

of M.D. The U.N. Mehta Institute of Cardiology and Research Centre granted him a fellowship in Cardiology and during this time he was the Chief Resident in Cardiology for two years and received the degree of D.M.

He was appointed as Assistant Professor in Cardiology at U.N. Mehta Institute of Cardiology and Research Centre, Ahmedabad, India in 1991. He was promoted as Associate Professor in Cardiology at the same institution in 1997. From August, 2004 upto January 2008, Dr. Patel was Professor of Cardiology, at the Department of Cardiology, S.B.K.S. Medical Institute and Research Centre, Gujarat, India. Since February 2008, he is Professor & Head at Department of Cardiovascular sciences, Smt. N.H.L. Municipal Medical College, Sheth V. S. General Hospital and Sheth K.M. School of Post Graduate Medicine and Research, affiliated to Gujarat University, Ahmedabad, India.

Dr. Patel has been involved as principal investigator or co-investigator in numerous clinical trials related to coronary stenting, drug eluting stents, transradial coronary interventions, low molecular weight heparin, glycoprotein IIb, IIIa inhibitors and mitral balloon valvuloplasties. He has also been involved in the design of guiding catheters to be used through transradial route.

He has been an invited lecturer / speaker to over 150 medical conferences and symposia worldwide, where he has presented his clinical experience and research findings. A few important courses / conferences include Paris Valvuloplasty Course, France, Chicago Mitral Valvuloplasty Course, U.S.A., Madrid Interventional Cardiology Course, Spain, Kamakura Interventional Course, Japan, Singapore Live Demonstration Course, Singapore, Mount Senai Course, New York, U.S.A., Complex Catheter Therapeutics (C.C.T), Kobe, Japan and Global Transradial Technology Forum, London, U.K. He has also been invited to perform and teach transradial technique as a guest faculty in several prestigious international interventional cardiology courses including Keimeiniej Course at Amsterdam, Netherlands, Louvard Course, Paris, France, Kamakura Live Demo Course, Kamakura, Japan, St. Vincent Catholic Medical Centre, Transradial Course, New York, Scranton Transradial Course, Pennsylvania, Oriental Endovascular Course, Nanjing, China and many others. He has also played his role as an invited Guest Speaker to American College of Cardiology and Society for Cardiac Angiography and Interventions, U.S.A.

He currently sits on the editorial board of Journal of Invasive Cardiology (USA). He is also a reviewer for Journal of American College of Cardiology, Catheterization & Cardiovascular Interventions, American Journal of Cardiology and International Journal of Cardiology. He has to his credit **300** publications including authorship of **3** textbooks, **20** chapters in different international textbook of cardiology, **168** original article and **102** abstracts in reputed National and International Cardiology Journals. He authored "Patel's Atlas of Complications of Coronary Interventions: Plan-B", which has been published from U.S.A. in 2018. He has also authored "Patel's Atlas of Transradial Interventions – Basics & Beyond", a comprehensive atlas on the subject, which has been published from U.S.A. in 2012. He has authored "Patel's Atlas of Transradial Interventions – the basics", a comprehensive atlas on the subject, which has been published from U.S.A. in 2007.

Dr. Patel is the Course Director of TRICO (Transcatheter Interventional Course). These are the academic courses held every year for two days in Ahmedabad, attended by about 400 Interventional Cardiologists from all over the world. About 25 to 30 live demonstrations are being done by him and renowned international guest faculties with extensive discussions and interactions. TRICO 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2018 & 2019 were grand successes, further information regarding the courses can be obtained from the website www.transradialworld.com. This website is the most popular educational webportal on transradial approach. Dr. Patel is editor-in-chief for the same.

Dr. Patel is a Fellow of Cardiological Society of India (F.C.S.I.), a Fellow of American College of Cardiology (F.A.C.C.), a Fellow of European Society of Cardiology (F.E.S.C.) and a Fellow of Society for Cardiac Angiography and Intervention (F.S.C.A.I.).

Dr. Patel is the recipient of **Dr. B.C. Roy National Award** and **Dr. K. Sharan Cardiology Excellence Award** in recognition for his original contribution in the field of cardiology of India. These are the two most prestigious awards of Medical Council of India (M.C.I.) and Indian Medical Association (I.M.A.) respectively. Dr. Patel also received **Padma Shri** award from Hon. President of India in year 2015 for his distinguished service in Medicine (Cardiology), which is one of the highest civilian award in the Republic of India.

Recently, on 5 December 2018, Tejas Patel with Sanjay Shah and the team of doctors at Apex Heart Institute created a history in the field of interventional cardiology by performing world's first-in-human telerobotic coronary intervention from Akshardham temple located in Gandhinagar roughly 20 miles away from the patient at Apex Heart Institute. Five consecutive cases were performed successfully. As of now, till December 28th, 2019. Dr. Patel has completed 500 robotic PCI cases in span of two years which is the highest individual robotic experience in the world.

List of Publications:

BOOKS:

1. **Tejas Patel** with Sanjay Shah and Samir Pancholy. "**Patel's Atlas of Complications of Coronary Interventions: Plan-B**", HMP Communications, Malvern (PA): LLC, U.S.A. 2018.
2. **Tejas Patel** with Sanjay Shah and Samir Pancholy. "**Patel's Atlas of Transradial Intervention: The Basics & Beyond**", HMP Communications, Malvern (PA): LLC, U.S.A. 2012.
3. **Tejas Patel** with Sanjay Shah and Alok Ranjan. "**Patel's Atlas of Transradial Intervention: The Basics.**" Seattle, Washington, U.S.A. Sea Script Company, 2007.

CHAPTERS:

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2. **Tejas Patel**, Sanjay Shah, Surender Deora, Samir Pancholy, Chapter 63. "Should all Percutaneous Coronary Interventions Be Radial Only?" in CSI Cardiology Update 2018; 2019; Page 400-403. Edited by Kewal C Goswami. Published by **Jaypee Brothers Medical Publishers (P) Ltd.** New Delhi, India.
3. Shah Sanjay C, Patel **Tejas M**, Pancholy Samir B, Chapter 2. "Ten Commandments of Radial Interventions" in NIC Companion Book of

- Interventional Cardiology. Edited by Rishi Sethi, Narendra Nath Khanna, J Shiv Kumar. ISBN 9789385999987. Edition 1/e. Publishing Year 2017. Page 10-29. Published by Jaypeedigital: **Jaypee Brothers Medical Publishers (P) Ltd.** New Delhi, India.
4. **Tejas Patel**, Sanjay Shah, Sameer Pancholy, Chapter 37 "Transradial Access" for "Textbook of Interventional Cardiology – A Global Perspective" edited by Samir Kapadia, Derek Chew, Fernando Cura, Philippe L L'Allier, Marco Roffi, E Murat Tuzcu, published by **Jaypee Brothers Medical Publishers (P) Ltd.**, London; 2017, Page 593-616. ISBN: 978-93-5152-943-9.
 5. **Tejas Patel**, Sanjay Shah and Samir Pancholy, Chapter 8, "Trans Radial Techniques to Improve STEMI Outcomes" in **Manual of STEMI Interventions**, edited by Sameer Mehta and Cindy L Grines publish by Wiley-Blackwell, 448 pages, September 2017. ISBN: 978-1-119-09541-5.
 6. Sameer Pancholy, Sanjay Shah, **Tejas Patel**. Chapter 11: Radial Artery Access Techniques for Transradial Angiography and Intervention: From Simple to Spectacular (A Case-Based Approach) authored by Mladen I. Vidovich and Adhir Shroff, published by **HMP Communications, LLC, U.S.A.**, 2016; Page: 87-89.
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 8. **Tejas Patel**, Sanjay Shah, Sameer Pancholy, Chapter 32, "Working through Arteria Lusoria: Tips & Tricks" for Transradial Angiography and Intervention: From Simple to Spectacular (A Case-Based Approach) authored by Mladen I. Vidovich and Adhir Shroff, published by **HMP Communications, LLC, U.S.A.**, 2016. **Page: 227-232.**
 9. **Tejas Patel**, Sanjay Shah, Chapter 266 "Acute coronary syndrome: Management protocol in primary and tertiary care setup" for the **Medicine Update 2016**; The Association of Physicians of India; Vol 26; 2016; Page 1388-1393, published by **Jaypee Brothers Medical Publishers (P) Ltd., India.**

10. **Tejas Patel**, Sanjay Shah, Surender Deora, Samir Pancholy, Chapter 54. "Transradial Interventions: Current Status" in CSI Cardiology Update 2015 (2 Volumes); Page 348-355. Edited by Santanu Guha. Published by **Jaypee Brothers Medical Publishers (P) Ltd.** New Delhi, India.
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15. **Tejas Patel** and Sanjay Shah, Chapter 15 "Tips & Tricks for Transradial Access" for textbook of "Transradial Access-Techniques for Diagnostic Angiography and Percutaneous Intervention" edited by Prof. Howard A. Cohen, 2013; Page 165-180. (**Cardiotext Publishing, Minneapolis, U.S.A.**)
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20. **Tejas Patel** and Sanjay Shah, Chapter 26 "The Transradial Approach for STEMI Interventions" for "Textbook of STEMI interventions" 2nd edition edited by Prof. Sameer Mehta, 2011. Page 565-572 (**published by HMP Communications, LLC, Malvern, PA 19355, U.S.A.**).

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2. Sanjay C. Shah, MD, DM, **Tejas M. Patel**, MD, DM, Gaurav A. Patel, MD, Samir B. Pancholy, MD. Percutaneous Treatment of Long Coronary Aneurysms Novel Technique for Increased Efficacy and Safety. JACC: Case Reports. Volume 1, Issue 4, December 2019, Pages 628-632.
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5. S.R. Mutha, D.Choudhary, S.N. Gurmukhani, S. Shah, **T. Patel**. To Determine the Relation between Ankles Brachial Index with Angiographic Stenosis and Major Cardiovascular Risk Factors in Patients with Suspected Coronary Artery Disease. Indian Heart Journal. Volume 71, Supplement 1, November 2019, Page S69. <https://doi.org/10.1016/j.ihj.2019.11.148>.
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7. S.N.Gurmukhani, S.Shah, **T.Patel**. Combo Technique to Traverse Trans-Radial Route to Reduce Arm and Forearm Haematoma Correct Study. Indian Heart Journal. Volume 71, Supplement 1, November 2019, Pages S79-S80.
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10. Gurmukhani SN, Chaturvedi N, Saradava N, Mutha S, Shah S, **Patel T**. Inter coronary fistula: Rarest of rare coronary anomaly. J Pract Cardiovasc Sci 2019; 5:213-4.
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- Resolved by Optical Coherence Tomography. *J Pract Cardiovasc Sci* 2019; 5:215-6.
13. Tiwari P, Shah S, **Patel T**. Navigating an Extremely Tortuous and Diseased Subclavian Artery: Use of an Altered Tiger Catheter. *J Pract Cardiovasc Sci* 2019; 5:221-2.
 14. **Patel Tejas M**, Sanjay C. Shah, Samir B. Pancholy. Long Distance Tele-Robotic-Assisted Percutaneous Coronary Intervention: A Report of First-in-Human Experience. *E Clinical Medicine* 14 (2019) 53-58. Published by the LANCET. <https://doi.org/10.1016/j.eclinm.2019.07.017>.
 15. Patel G, Pancholy N, Thomas L, Rai A, Kher A, Peters C, Amin A, **Patel TM**, Pancholy S. Effect of Chronic Hematologic Malignancies on In Hospital Outcomes of Patients With ST-Segment Elevation Myocardial Infarction. *Am J Cardiol.* 2019 Aug 1;124(3):349-354. Epub 2019 May 21.
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Comparison of adenosine fractional flow reserve and post-contrast instantaneous wave-free ratio for hemodynamic assessment of moderate coronary stenoses article in journal of the American College of Cardiology 69(11):1058; March 2017, DOI: 10.1016/s0735-1097(17)34447-9.

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