



# Dr. Vrajesh Shah

Robotic Joint Replacement & Orthopaedic Surgeon

## Contact

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<https://viroc.in/>

### WWW

<https://viroc.in/book-an-appointment/>

## Skills

Joint Replacement Surgery,  
Passionate Teacher &  
Orator, Innovator,  
Entrepreneur, Musician

## Languages

English

Gujarati

International Faculty for Knee Replacement, Robotic Knee Replacement

Instructor in Fellowship and Observership of Joint Replacement certified by Depuy-Synthes (Johnson & Johnson, USA) and Smith & Nephew (USA)

Successfully running "Knee Arthroplasty course" at VIROC Hospital for budding Orthopedic surgeons

Professor - D. Ortho CPS (College of Physicians Mumbai)

## Work History

2008-11 -

Current

### Joint Replacement Surgeon & Orthopedic Surgeon

*Managing Director, Nirman Orthopaedics Pvt. Ltd., Vadodara, India*

- Worked as Orthopedic and Joint Replacement Surgeon in Narhari Hospital, Vadodara. since 2001 to 2009
- Working as Joint Replacement & Orthopedic Surgeon in VIROC Hospital since 2009 to till date
- Having experience of more than 2000 Robotic Knee replacement Surgeries, More than 9000 Primary- Revision Knee & Hip Replacement surgeries,
- Having experience of more than 10,000 other surgeries like Closed Nailing, Spine Surgeries, Poly Trauma and routine Trauma
- Mentored junior surgeons and residents, sharing expertise and fostering positive learning environment
- Reduced recovery times for patients by implementing innovative post-surgical care plans and closely monitoring progress
- Participated in research projects to advance field of orthopedics, contributing to publications and presentations at conferences
- Maintained up-to-date knowledge of current trends in orthopedics through regular participation in continuing education courses and professional organizations
- Fostered positive working relationships with colleagues across multiple departments, facilitating interdisciplinary collaboration for benefit of patient care

- Promoted culture of continuous improvement within department by soliciting feedback from patients, peers, and support staff regarding areas of potential growth or enhancement
- Continuously sought opportunities to expand skillset through attendance at professional conferences, workshops, and trainings related to orthopedic surgery advancements

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## Professional Education

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2011-03 -  
2013-03

### **M.Ch. (Orthopaedics): M.Ch.**

*University of Seychelles-American Institute of Medicine - Seychelle*

1999-06 -  
2001-01

### **M.S. Orthopaedic**

*M.S. University And Medical College, Baroda, India - Vadodara*

1994-06 -  
1997-06

### **Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.): MBBS**

*M.S. University And Medical College, Baroda, India - Vadodara*

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## Professional Affiliations

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- Member of Indian Orthopaedic Association
- Member of Bombay Orthopaedic Society
- Member of Baroda Orthopaedic Association
- Member of Indian Medical Association
- Member of Indian Society of Hip and Knee Surgeons

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## Social Affiliations

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President National Medicos Organisation, Gujarat  
Founder of VIROC Dusara Bachpan Foundation  
Trustee in Devaras Smruti Nyas Trust  
Trustee in Surktam Trust

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## Life Goals

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Robotic knee / hip replacement,  
Personalized knee Replacement,  
Reconstructive Orthopaedic Surgery.  
Primary - Revision Knee & Hip Replacement surgery  
(Joint Replacement)  
Complex Trauma Surgery,  
As a Trainer and Faculty in above all specialties

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## Trainer/Faculty Experience

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- Successfully running “Knee Arthroplasty course” at VIROC Hospital
- Providing Smith & Nephew Fellowship course in Robotic Hip and Knee Arthroplasty
- Providing Johnson & Johnson Fellowship course in Hip and Knee Arthroplasty 1
- As an Invited Speaker, 4th Annual Conference APAS 2012 held at the Renaissance Mumbai Convention Centre Hotel, Mumbai on 23rd-25th August 2015
- As a Knee Faculty, Intermediate Arthroplasty Course Didactic & Cadaveric Workshop on the 8th – 9th July 2017
- Maxx medical “MERIL LIVE” held at Hayatt Regency, Ahmedabad on 16th -17th December 2017
- As a **Knee Faculty**, Meet the Masters Oriana Arthroplasty Update 2018 held at the Hotel Amaya, Varanasi on 27th may 2018 Sunday
- As a **Knee Faculty**, 6th UPOA (Uttar Pradesh Orthopaedic Association) organized by Kanpur Orthopaedic Association “1st UPOA Cadaveric Knee Arthroplasty Course” 2019 Held at the GSVM Medical College Kanpur on 18th august 2019
- As a **Knee Faculty**, “Nagpur Arthroplasty Course” organised by Vidarbha Orthopaedic Society in association with Nagpur Arthroplasty Association as a Faculty on the 20th – 21st September 2019
- As a **Faculty, Hip Symposium**” organized by

Baroda Orthopaedic Association on the 19th January 2020

- As a **Knee Faculty**, “Kinematic Alignment in Total Knee Arthroplasty – A Paradigm shift organized by Baroda Orthopaedic Association on the 25th April 2021
- As an Expert in “Connect with Experts” open discussion and Tips & Pearls on Knee Arthroplasty on Zoom platform, 19th June 2021
- As faculty at “MPIOACON” Bhopal, 16th & 17th October 2021 organized by Indian Orthopaedic Association Madhya Pradesh Chapter
- As faculty at “**Robotic Knee Arthroplasty** Instructional course” at Smith & Nephew Academy, Singapore, 10th & 11th June, 2023

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## Registration Certificate

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G10047, 11/21/00

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## Live Surgery Workshop

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Created an Academic platform “VIROC Resurge”, to train orthopaedic surgeons for complex primary and revision hip and knee surgery. 3 Successful events executed, attended by approx. 50 Orthopaedic surgeons. (2 live surgeries per event)

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## Clinical Research

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- Effect on pain in Osteoarthritic Knee- Comparative Study, PANACEA, LAMBDA, 2009-2010
- Prevention of DVT in THR patient- Comparative Study, BOEHRINGER-INGELHEIM, SIRO, 2010-2011
- Treatment of DVT/PE- Comparative Study, DAIICHI SANKYO, QUINTILES, 2011-2013
- Effect on pain in RA- Double Blind Placebo Controlled and Extension study, ASTRA ZENECA, QUINTILES, 2012-2014
- Effect of Teriperatide on fracture neck femur- Placebo Controlled, Eli Lilly, Eli Lilly, 2013-2014
- Perioperative Ischemic Evaluation- Placebo

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## Paper Presentations

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- Paper Presentation in National Orthopaedic Truma Update 2005, Ender Nailing in Per Trochanteric Fractures of Femur – Study of 450 Cases, 03/04/05, Vadodara
- Presentation of Scientific Paper, 450 cases of Ender Nailing in per trochanteric fracture of femur, 03/18/05, Pune, Maharashtra, India
- Attended Ranawat Orthopaedic Conference 2017, Advances & Techniques in Joint Replacement Surgery and Arthroscopy, 01/12/17, Mumbai
- Attended Ranawat Orthopaedic Conference 2018, Advances & Techniques in Joint Replacement Surgery and Arthroscopy, 01/05/18, Mumbai
- A case report of Peri-prosthetic fracture after total knee arthroplasty in rheumatoid arthritis patient treated with revision hinge TKR, ISSN -2395-1958 Volume-5 Issue-3, 07/01/19

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## Social Contribution

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- More than 200 Seminars on “Healthy Joints, Healthy Life, Healthy Nation”. Talk includes all prevention habits to prevent joint problems in old age. More than 15000 people benefited. Seminars were done at various places like Sr. citizen clubs, Social gatherings, Schools etc.
- More than 500 Free Orthopaedic check-up camp and Bone mineral density camps were done. More than 20000 people benefited. Camps were done at various places like Vadodara city, Rural, MP, nearby tribal areas etc.
- VIROC Dusara Bachpan ( VDBF) Foundation-run by operated patient of VIROC Hospital is led by under guidance of Dr. Vrajesh Shah. Operated old age patients are enjoying their second inning (Dusara Bachpan) by doing various social awareness activities like Swachha Bharat Mission,

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## Knowledge Updated

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- Government of Gujarat, Department of Health and Family Welfare, "Leprosy reconstructive Program a continuous 501 hours Leprosy 2000", 01/01/00, 01/21/00, S.S.G.Hospital, Vadodara
- Jess Fixater workshop Bombay Orthopaedic Society, 09/03/01, 09/08/01
- Hands on workshop on Spine – approaches and pedicle fixation, IOACON 2001, 12/17/01, 12/17/01
- First IOA- Advance hand Surgery course, Pune, 08/31/02, 09/01/02
- Bombay Arthroplasty Course, A total Hip Replacement Surgery Program, 11/09/02, 11/15/02, Ethicon Institute of Surgical Education, Mumbai
- Bombay Arthroplasty Course, Total Knee Replacement Surgery Program, 11/09/02, 11/15/02, Ethicon Institute of Surgical Education, Mumbai
- Ranawat Orthopaedic Research Foundation's meeting. "Advance in Joint Replacement Surgery", 01/09/03, 01/12/03, Goa, India
- Ashwini Back Institute and Hospital for Spinal Surgery, Thane, 08/01/03, 08/01/03, Thane Mumbai
- Joint Replacement State of Art Conference, Mumbai, 10/18/03, 10/19/03
- Twenty four National Trauma Management Course, 03/26/04, 03/27/04, Vadodara
- German Orthopaedic Foundation Seminar, 02/24/04, 02/25/04, Ahmedabad
- Seminar and Hands on Workshop on Locking Compression Plate "LCP", 04/17/04, 04/17/04, Ahmedabad, India
- International Symposium and Workshop on "ASR" Articular Surface Replacement, 2nd Generation Hip Resurfacing Surgery, 09/12/04, 09/12/04, JASLOK Hospital, Mumbai
- Gujarat Orthopaedic Association, (23rd Annual Conference– GOACON-2005), 02/02/05, 02/03/05

- Attend Hand Surgery Workshop & C.M.E. organized by the Baroda Association of Plastic Surgeon, 02/12/05, 02/13/05, Gujarat Refinery Hospital, Vadodara
- National Orthopaedic Trauma Update Course 2005 and Hand on Workshop, 03/04/05, 03/06/05
- NAILSCON Workshop and Conference, 03/18/05, 03/20/05, Pune, Maharashtra
- Seminar and Workshop on Locking Compression Plat (LCP), 05/21/05, 05/21/05, Vadodara, India
- Indian Arthroscopy Society, Annual Conference, 10/01/04, 10/01/04, Bombay Hospital, Post Graduate Institute and Medical Research Centre, Mumbai
- 4th Asian Pacific Orthopaedic Symposium 2005 (APSO), Hip & Knee Arthroplasty, 06/12/05, 06/12/05, Singapore
- GOACON-2006, 24TH Annual Conference of Gujarat Orthopaedic Association, 02/03/06, 02/05/06
- Ranawat Orthopaedic Research Foundation Conference, 02/16/06, 02/18/06
- Attend the Seminar on Antegrade Femoral Nailing, 04/02/06, 04/02/06
- Asian AO Regional Combined Courses Advances in Fracture Management, 04/25/06, 04/29/06, Chiangmai, Thailand
- Bi Contact Hip Symposium, 08/20/06, 08/20/06, Ahmedabad
- AO Spine-Monsoon Seminar Course, 09/20/06, 09/20/06, Ahmedabad, India
- Baroda Orthopaedic Association Knee Osteoarthritis Update, 12/10/06, 12/10/06, Baroda, India
- Modern Trends on Total Knee Replacement, 12/14/06, 12/15/06, Bombay Hospital
- Modern Trends on Total Hip Replacement, 12/16/06, 12/17/06, Hotel Taj Mahal
- 1st National Conference of Indian Society of Hip & Knee Surgeons, 04/28/07, 04/29/07, J. W. Marriott, Juhu, Mumbai
- Participation in the Gujarat Orthopaedic Association, "Mid-Year CME 2007", 09/02/07, 09/02/07, Vadodara
- Participation at 9th Annual Conference of the

Asia Pacific Arthroplasty Society (APAS), 09/27/07,  
09/30/07, NCPA, Mumbai

- Participated in the Posi-Posna Combined Meet-2008, 01/22/08, 01/23/08, Baroda
- Participation in the Revision Knee Instructional Course, 02/17/08, 02/17/08, E.I.S.E.
- Fellowship for Revision knee & hip arthroplasty and minimal invasive surgery, 03/01/08, 04/30/08, Ravensburg and Bad Harsfeld
- Participation in essential skill set for revision and complex primary hip and knee arthroplasty course, 08/09/09, 08/10/09, Max Superspeciality Hospital
- Participation in the IAS 2009 8th annual congress of Indian Arthroscopy Society, 10/01/09, 10/03/09, Ahmadabad
- Participation in Web based day school on Acetabulum Fractures, 04/17/11, 04/17/11
- Life Membership of Indian Society of Hip & Knee Surgeons, 08/01/11, 08/01/11
- AO Trauma Pelvic Course with Cadaveric Lab, 10/14/11, 10/17/11, New Delhi
- IGOF Master's Course on Trauma around the Knee; Shoulder, Hip and Knee Arthroscopy, 03/31/12, 04/01/12, Government Medical College & SSG Hospital, Vadodara
- Attending workshop on Acetabular fracture, 05/27/12, 05/27/12, Baroda Orthopaedic Association, Vadodara
- Participation in Web based school-The Sunday knee school, 07/08/12, 07/08/12
- Completion of the Spring 2013 Freedom Knee Masters Course, 03/01/13, 03/01/13, Dubai
- Completed the educational activity titled International Congress for Joint Reconstruction, 03/09/13, 03/09/13, Arab Health
- Participation in the Developing innovation culture, 08/05/14, 08/05/14, Ahmadabad management association
- Participation in the 7th Joint replacement conference, 02/21/15, 02/22/15, Kochi
- Shoulder conclave, 03/01/15, 03/01/15, Puna
- Revision hip visitation by Depuy, 04/13/15, 04/14/15, Bressia, Italy
- Participated in Shoulder conclave, 02/19/16,



02/20/16, Pune

- Attended GOACON-2016, 02/05/16, 02/07/16, Vadodara
- Participated, National Conference of Modern HTO with Lectures and Live surgery
- Attended the 8th JRSOA Meeting, 02/10/17, 02/12/17, Delhi
- Revision Knee visitation by Depuy, 04/03/17, 04/05/17, Asklepios, lendenlohe, Germany, GMBH
- Attended as an active participant Partial Knee Bio-Skills Workshop, 01/28/19, 01/28/19, Bangkok, Thailand
- Attended as an active participant Robotic-assisted Knee Arthroplasty Webinar, 09/17/20, 09/18/20, Royal College of Surgeons
- Completed online course "Certificate in Primary Care Rheumatology", 05/28/21, 05/28/21, Quexst Healthcare & Nanavati Max Hospital
- Participated as Delegate at the Techniques & Technologies in Joint Replacement (TTJR) 2023, 04/01/23, 04/02/23, Mumbai
- Mixed Reality in Arthroplasty : Future of Robotic Vision, 22/03/2023, Ahmedabad

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## Disclaimer

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I hereby declare that all the details above mentioned are correct to the best of my knowledge and belief.

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## Accomplishments

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Learned and Implemented various techniques & latest technology in Joint Replacement and Orthopaedic surgeries  
Replacement with Cruciate Retaining technique  
Replacement with Subvastus approach  
Replacement with Kinematic Alignment of Knee  
Robotic Knee Replacement  
Personalized Knee Replacement  
Robotic hip replacement

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## Interests

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Oration

Music

Social Work