

DR. SAMARTH ARYA

Consultant - Orthopaedics Joint Replacement and Robotic Surgeon

Qualification

MBBS | MS | DNB | MNAMS | MCh (T&O) | MCh (Hip & Knee) | IOC Dip. Sports Medicine | Senior Fellowship in Robotic and Revision Hip and Knee Arthroplasty (UK) | Senior Fellowship in Lower Limb Arthroplasty (UK)

Overview

Dr. Samarth Arya is a renowned medical specialist who is currently practising as a Consultant - Orthopaedics, Joint Replacement & Robotic surgery at Manipal Hospital Old Airport Road, Bangalore. His knowledge and expertise in the field are well-appreciated by the global medical community. He has completed his MBBS, MS, DNB, MNAMS, MCh (T&O) and MCh (Hip & Knee) from prestigious institutions. He has also completed his Diploma in Sports Medicine from the International Olympic Committee. The prestigious fellowships awarded to Dr. Samarth Arya talk a great deal about his position in the field of orthopaedics. The list includes a Senior Clinical Fellowship in Lower Limb Arthroplasty and a Senior Clinical Fellowship in Revision and Robotic Hip and Knee Arthroplasty at Woodend General Hospital (NHS Grampian), UK, a Fellowship in Arthroscopy and Sports Medicine at Manipal Hospitals, Bangalore, a Fellowship in Orthopaedic Sports Medicine at University Hospital of Llandough, Cardiff and Vale University Health Board, UK, a Fellowship in Hip and Knee at

Wrightington Wigan and Leigh NHS Foundation Trust, a Senior Clinical Fellowship in Lower Limb Arthroplasty. With a vision to excel in hip and knee arthroplasty and robotic surgery, Dr. Samarth has also obtained certifications for MAKO Robotic Total Hip Arthroplasty, MAKO Robotic Total Knee Arthroplasty, and MAKO Robotic Unicompartmental Knee Arthroplasty from Cambridge, UK. His qualifications and achievements make him one of the very few surgeons in India to possess such esteemed credentials. He is the foremost Robotic Hip and Knee Replacement Surgeon in Old Airport Road Bangalore. Dr. Samarth Arya is a highly motivated and compassionate orthopaedic surgeon with extensive exposure and proficiency in performing manual and robotic joint replacement, primary, complex and revision hip and knee arthroplasty, arthroscopic procedures of the knee, complex trauma, and general upper and lower limb orthopaedic procedures. His expertise extends to sports orthopaedics and arthroscopy, along with every aspect of general orthopaedics. Dr. Arya has a vision of excelling in hip and knee arthroplasty, robotic surgery and sports orthopaedics, which motivates him to practise in the area extensively. He is one of India’s few Cambridge-certified surgeons in robotic hip and knee replacement and has successfully performed over 1,000 robotic joint replacement surgeries using the MAKO Stryker robotic system. He is also among the few MAKO Robotic Joint Replacement trainers and proctors in India. Technology-forward yet firmly evidence-anchored, Dr. Arya does not adopt innovation for its own sake. Instead, he believes robotic technology enhances surgical precision, accuracy, and consistency while the surgeon’s expertise remains the cornerstone of successful outcomes. He is among the most respected robotic knee replacement surgeons in Bangalore. With a passion for academic excellence and improving the medical industry, Dr. Samarth Arya has participated in a plethora of research work, poster presentations, and podium presentations both internationally and nationally. He is multilingual and fluent in English, Kannada, Hindi, and Telugu, allowing him to communicate easily with patients from diverse backgrounds. His

dedication to the medical field is evident in his membership in prestigious medical organizations, including General Medical Council, Indian Medical Association, Indian Orthopaedic Association, Indian Arthroscopic Society, Karnataka Orthopaedic Association and Bangalore Orthopaedics Society. Such an astounding career path has made Dr. Samarth Arya a highly respected Orthopaedician in Bangalore.

Fellowship & Membership

- Senior Clinical Fellowship in Lower Limb Arthroplasty at Woodend General Hospital (NHS Grampian), Aberdeen, United Kingdom from August 2020 – August 2021.
- Senior Clinical Fellowship in Revision and Robotic Hip and Knee Arthroplasty at Woodend General Hospital (NHS Grampian), Aberdeen, United Kingdom from August 2021 – August 2022.
- Fellowship in Hip and Knee at Wrightington Wigan and Leigh NHS Foundation Trust September 2018 to August 2020.
- Fellowship in Arthroscopy and Sports Medicine at Manipal Hospitals, Bangalore- June 2015 to June 2016.
- Fellowship in Orthopaedic Sports Medicine at University Hospital of Llandough, Cardiff and Vale University Health Board, United Kingdom - Nov 2016 to Dec 2016.

Field of Expertise

- Robotic Joint Replacement
- Primary, Complex and Revision Hip and Knee Replacement
- Sports Orthopaedics and Arthroscopy
- Complex Trauma
- General Orthopaedics

Languages Spoken

- English
- Kannada
- Hindi
- Telugu

Awards & Achievements

- AO Basic Trauma Course, Chennai, January 2017
- AO Recon Course- Principles of Total Hip and Knee Arthroplasty, Bangalore, November 2017, Bangalore
- AO Advanced Trauma Course, Mumbai, March 2018
- Sports Knee Cadaveric Course, RJAH Hospital, Oswestry, Dec 2019
- FIFA Diploma in Football Medicine, May 2020
- MAKO Robotic Total Hip Arthroplasty Certification Programme, Cambridge, July 2021
- MAKO Robotic Total Knee Arthroplasty Certification Programme, Cambridge, July 2021
- MAKO Robotic Unicompartmental Knee Arthroplasty Certification Programme, Cambridge, July 2021

Talks & Publications

- Talks:
- Aneurysmal Bone Cyst of Lateral End of Clavicle In A Fourteen-Year-Old Boy- Case Report, KOACON-2014, Bangalore, January 2014
- A Study of Surgical Management of Fracture Shaft Humerus By Intramedullary Interlocking Nailing, OASIS 2014, Palakkad,

August 2014

- Clinical Study of Fixation of Unstable Peri-trochanteric Femoral Fractures With 95 Degree Angle Blade Plate, ITC 2020, Dubai, Feb 2020
- Clinical Outcomes Following Double Osteotomy (Scarf and Akin) for Hallux Valgus deformity, ITC 2020, Dubai, Feb 2020
- Aetiology and outcome of a consecutive series of 45 surgically managed common peroneal nerve palsies, Wrightington Gold Medal Day, June 2020
- Prediction of Autologous Hamstring Graft Size In ACL Reconstruction Using Gender, Activity Level, Anthropometric Parameters & MRI- A Prospective & Retrospective Study, 1st Virtual EFORT Congress, October 2020
- A Study of Relationship Between Vitamin B12 Levels and Neurological Function in Patients with Cervical Spondylotic Myelopathy, Virtual EFORT Congress, June 2021
- An Evaluation of the association between Magnetic Resonance Imaging Parameters & Anterior Cruciate Ligament Injury, Asia-Pacific Orthopaedic Association Congress, July 2021
- Computerized Tomographic Morphometric Analysis of Subaxial Cervical Spine Pedicles in South Indian Population for Guiding Pedicular Mass Fixation, AsiaPacific Orthopaedic Association Congress, July 2021
- Long-Term Results of Primary Cemented Total Hip Arthroplasty in Developmental Dysplasia of Hip, British Orthopaedic Association, September 2021
- Publications:
- Subramanian KN, Arya S. Mystic Shoulder Pain of Mid 40’s. IMA Karnataka Medical Journal. 2012;45(1):27–32.
- Nagakumar JS, Nazeer B, Arya S. Aneurysmal Bone Cyst of the Lateral End of Clavicle in a Fourteen-Year-Old Boy- Case Report. International Journal of Pharmacy and Biological Sciences. 2013;3(1):525–30.

- Anilkumar SV, Arya S, Manohar PV, Sivamahesh S. Floating shoulder with the lateral clavicular fragment impinging on parietal pleura: A case report. International Journal of Biomedical and Advance Research 5(10):537. 2014;5(10):537.
- Anilkumar SV, Vittal V, Arya S, Devadoss A. Clinical, Functional and Radiological Assessment of Results of Total Knee Replacement: A Mid-Term Follow Up. International Journal of Pharma and Bio Sciences. 2015;6(1):1140–6.
- Kondlapudi A, Anilkumar SV, Arya S, Manohar PV. Total hip arthroplasty in idiopathic chondrolysis of the hip: A case report. International Journal of Biomedical and Advance Research. 2015;6(2):173.
- Anilkumar SV, Vinod Kumar M, Arya S, Manohar PV. Traumatic L4 –L5 Spondylolisthesis with Vertical Shear Fracture of Pelvis: A Case Report, Int J Pharm Bio Sci. International Journal of Pharma and Bio Sciences. 2015;6(2):15–20.
- Ethiraj P, Doddamani S, Arya S. A clinical study of Ilizarov technique in infected nonunion of fracture shaft of tibia. International Journal of Orthopaedics Sciences. 2016;2(4):77–80.
- Ajay Kumar SP, Varma KMK, Arya S, Manni D, Ranjith AC, Sethu G. Correlation of clinical, radiological, and arthroscopic findings of meniscal and anterior cruciate ligament injuries of knee. International Journal of Orthopaedics Sciences. 2017;3(3):92–5.
- Arya S, Kalyan H, Hegde S, Ajay Kumar SP, Manni D, Huggi V. Comparison of femoral footprints in acute V/s chronic ACL injury. International Journal of Orthopaedics Sciences. 2017;3(3):367–70.
- Sethu Kumar G, Ajay Kumar SP, Hegde SP, Arya S, Pothen AJ, Jadhav P. A clinical study to evaluate the effectiveness of proximal femoral nail antirotation in the management of peritrochanteric fractures of the femur. International Journal of Orthopaedics Sciences. 2019;5(2):133–7.

- Jadhav P, Kalyan H, Shanthakumar S, Arya S, Harshavardhana V, Ajay Kumar SP. Functional outcome following arthroscopic rotator cuff repair with single row technique using bioabsorbable anchors: Prospective study. International Journal of Orthopaedics Sciences. 2019;5(2):334–8.
- Harshavardhana V, Varma KMK, Manoj Kumar AN, Arya S, Jadhav P. Study on functional outcome of proximal humerus internal locking osteosynthesis system plating for displaced proximal humerus fractures: A prospective and retrospective study. International Journal of Orthopaedics Sciences. 2019;5(2):350–3.
- Manni D, Kalyan H, Hegde S, Ajay Kumar SP, Arya S, Reddy R. Prediction of autologous hamstring graft size in ACL reconstruction using gender, activity level, anthropometric parameters & MRI- A prospective & retrospective study. International Journal of Orthopaedics Sciences. 2019;5(2):1058–62.
- Arya S, Arun HS, Rawat S, Sankar S. Clinical study of fixation of unstable intertrochanteric femoral fractures with 95^{0} angle blade plate. International Journal of Orthopaedics Sciences. 2020;6(2):606–10.
- Ghumare SS, Chandanwale AS, Jadhav P, Arya S, Rawat SSS, Sankar S. A study of relationship between vitamin B12 levels and neurological function in patients with cervical spondylotic myelopathy. International Journal of Orthopaedics Sciences. 2020;6(2):611–7.
- Pillai HB, Sankar S, Rawat SS, Arya S, Jadhav P. The Functional Outcome Volar Barton Fracture Treated by Open Reduction and Internal Fixation with T Plate – A Prospective Study. Internation Journal of Contemporary Medical Research. 2020;7(6):7–11.