

DR. SOHAM MANDAL

Senior Consultant - Orthopaedics & Joint Replacement Surgeon

Qualification

MBBS | DNB (Orthopaedics) | MNAMS

Overview

Dr. Soham Mandal is a Senior Consultant Orthopaedic Surgeon practising at Manipal Hospitals Broadway, Salt Lake region, Kolkata, West Bengal. With more than 12 years of clinical experience and specialised training in advanced orthopaedic procedures, he focuses on restoring mobility, relieving pain, and helping patients return to an active lifestyle. His clinical practice combines precision surgery, minimally invasive techniques, and structured rehabilitation protocols to achieve long-term functional outcomes. Dr. Mandal began his medical career after completing his MBBS from Medical College, Calcutta, followed by a Diplomate of National Board (DNB) in Orthopaedics. Over the years, he has enhanced his expertise through international fellowships in arthroplasty and sports surgery, allowing him to adopt modern global treatment protocols in his everyday clinical practice. He completed a Fellowship in Arthroplasty and Adult Reconstruction at the National University Hospital, Singapore, and a Fellowship in Arthroscopy and Sports Surgery from Hannover, Germany. These advanced trainings exposed him to cutting-edge surgical planning, precision implant positioning, ligament balancing

techniques, and minimally invasive arthroscopic procedures. He also received a Travelling Fellowship from the West Bengal Orthopaedic Association, further strengthening his exposure to varied clinical approaches and complex case management. At Manipal Hospital Broadway in Salt Lake, Kolkata, Dr. Mandal treats a wide spectrum of orthopaedic conditions ranging from young athletes with ligament injuries to elderly patients suffering from severe arthritis, and his approach prioritises conservative treatment whenever possible while recommending surgery only when it becomes necessary for restoring quality of life. One of Dr. Mandal’s primary areas of expertise is joint replacement surgery for patients suffering from advanced arthritis and degenerative joint disorders. He performs knee, hip, and shoulder replacement procedures aimed at relieving chronic pain and improving mobility. He specialises in robotic-assisted knee replacement, which allows highly accurate bone preparation and implant alignment, improving joint balance, reducing post-operative discomfort, and enhancing implant longevity. Patients typically experience faster recovery and a more natural feeling joint compared to conventional techniques. He also performs partial knee replacement surgery for patients whose arthritis affects only a specific compartment of the knee, a bone-preserving procedure that maintains natural joint structures and results in quicker rehabilitation and improved knee function. In addition, he manages complex revision knee replacement cases where previous implants have failed due to loosening, infection, or wear. Sports injuries are increasingly common among active adults and young individuals, and Dr. Mandal specialises in minimally invasive arthroscopic procedures that treat ligament tears, meniscus injuries, cartilage damage, and shoulder instability. Using keyhole surgery techniques, he reconstructs ACL and PCL ligaments, repairs meniscus tears, and restores joint stability with minimal tissue damage, allowing quicker recovery, less pain, and early return to sports or daily activity. He also provides customised rehabilitation programs to help patients safely resume athletic performance and prevent re-injury. Dr. Mandal

actively manages fracture cases and high-impact injuries, including road traffic accidents and complex joint fractures, using modern fixation methods and surgical planning to restore bone alignment and prevent long-term complications such as stiffness and deformity. At the Broadway unit, emergency orthopaedic services ensure immediate stabilisation and early surgical intervention when required, and early mobilisation protocols help patients recover faster and reduce hospital stay duration. He also has specialised expertise in pelvi-acetabular injuries and hip disorders, which require careful reconstruction to restore joint stability and walking ability, and through minimally invasive techniques and precise fixation he aims to preserve joint function and prevent future arthritis development. He manages hand injuries, nerve compression disorders, tendon ruptures, and deformities affecting upper limb function with the objective of restoring alignment, grip strength, and fine motor movements necessary for daily activities. For patients with non-union fractures, bone loss, or limb length discrepancy, he uses the Ilizarov technique, a specialised bone regeneration method that stimulates new bone formation and helps correct deformities without major bone grafting procedures. Dr. Mandal actively contributes to orthopaedic research and education and has presented papers at national and state conferences, receiving awards for academic excellence. His professional memberships include the Indian Orthopaedic Association, West Bengal Orthopaedic Association, Knee and Shoulder Society, West Bengal Arthroscopy Society, and the National Academy of Medical Sciences, and his continuous academic involvement ensures he remains updated with the latest advancements in orthopaedic surgery, implant technology, and rehabilitation science. He believes successful treatment goes beyond surgery and emphasises clear communication, proper counselling, and rehabilitation planning as essential components of recovery. Fluent in English, Bengali, and Hindi, he helps patients understand their condition and participate actively in decision-making. His treatment philosophy centres on accurate diagnosis, non-surgical treatment

whenever possible, evidence-based surgical intervention when required, structured physiotherapy rehabilitation, and long-term joint preservation. With international training, extensive surgical experience, and a patient-focused approach, Dr. Soham Mandal provides comprehensive orthopaedic care aimed at restoring mobility and enabling patients to return to a pain-free and active life.

Fellowship & Membership

- Life Member of West Bengal Orthopaedic Association (WBOA)
- Life Member of the Indian Orthopaedic Association (IOA)
- Life Member of the Knee and Shoulder Society (KASS)
- Life Member of West Bengal Arthroscopy Society (WBAS)
- Member of the National Academy of Medical Sciences (MNAMS)
- Fellowship in Arthroplasty and Adult Reconstruction, National University Hospital (NUH), Singapore
- Fellowship in Arthroscopy and Sports Surgery from Gottfried Wilhelm Leibniz University Hannover (GOH), Germany
- Travelling Fellowship from WBOA

Field of Expertise

- Specialising in performing Joint Replacement Surgeries for patients with severe joint conditions, enhancing their mobility and quality of life.
- Proficient in using minimally invasive techniques for patients with sports-related injuries, including Arthroscopy and various Sports Surgeries, aiming to help them return to sports sooner.
- Expertise in addressing complex trauma injuries, utilising cutting-edge techniques with a focus on minimal complications.
- Expertise extends to treating pelvic and hip conditions by employing minimally invasive Pelviacetubular and Hip Surgery,

ensuring stability and mobility to perform daily activities.
- Demonstrated proficiency in diagnosing and treating joint problems in paediatrics, providing specialised care and growth.
- Skilled in carrying out Hand Surgeries and Deformity Corrections for patients with problems in the upper extremities or musculoskeletal system, maintaining proper functions and alignment.
- Specialised in Ilizarov Technique, aiming to promote bone regeneration and effective results.

Languages Spoken

- Bengali
- Hindi
- English

Awards & Achievements

- Awarded Gold Medal in MBBS
- Awarded ‘Best Paper’ in many National and State Conferences
- Executive Committee Member of WBOA