



DR. TANMOY KARMAKAR

Senior Consultant - Orthopaedics & Joint Replacement Surgeon

Qualification

MBBS | MS (Orthopaedics)

Overview

Dr. Tanmoy Karmakar is a Senior Consultant – Orthopaedics & Joint Replacement Surgeon at Manipal Hospitals, Broadway, Saltlake, Kolkata, with over 13 years of clinical experience, including 7+ years as a specialist in advanced orthopaedic surgery. He completed his MBBS and MS (Orthopaedics) from R.G. Kar Medical College & Hospital, followed by specialised training in arthroplasty and modern joint replacement techniques. Over the years, he has worked in reputed corporate hospitals and developed strong expertise in managing both degenerative joint disorders and complex trauma cases. His approach combines evidence-based medicine, modern surgical planning, and patient-specific treatment protocols to restore mobility and improve quality of life. Dr. Karmakar is particularly known for his work in knee replacement surgery, treating patients suffering from advanced osteoarthritis, rheumatoid arthritis damage, post-traumatic arthritis, and severe deformities such as bow legs and knock knees. He also manages difficult cases requiring revision knee replacement surgery, where previous implants have failed, loosened, or caused persistent pain. Having performed more than 2500 joint replacement procedures,

he focuses on accurate alignment, implant longevity, minimal tissue damage, and faster recovery so that patients can return to normal daily activities with confidence. His surgical planning emphasises long-term joint function rather than short-term relief, which is why many patients seek his opinion when conservative treatment no longer provides benefit. In addition to knee procedures, he specialises in shoulder replacement and reconstructive shoulder surgery. He treats conditions such as rotator cuff tears, frozen shoulder, recurrent dislocation, shoulder arthritis, and complex fractures around the shoulder joint. These conditions often severely limit arm movement and daily activities, and his treatment aims to restore strength, stability, and full functional motion. His experience in sports injury management also includes ligament injuries and joint instability in active individuals, helping them safely return to activity after proper rehabilitation. Dr. Karmakar also plays an important role in fracture and trauma care, managing injuries ranging from simple fractures to high-energy accident trauma. His practice includes treatment of hip fractures in elderly patients, joint fractures involving the knee, shoulder, elbow, and ankle, open fractures, and non-healing fractures requiring surgical reconstruction. His focus is on early fixation, stable repair, and structured rehabilitation so patients regain independence and avoid long-term disability. He has also performed over 500 ACL ligament reconstruction surgeries, highlighting his experience in ligament repair and joint preservation. Apart from surgical expertise, he is committed to academic and professional development, with multiple publications in national and international medical journals and presentations at conferences. His treatment philosophy centres on explaining the condition clearly, discussing all available options, and guiding patients toward the most appropriate solution rather than rushing into surgery. He believes successful orthopaedic care depends equally on proper diagnosis, correct surgical technique, and planned rehabilitation. Fluent in Bengali, Hindi, and English, Dr. Karmakar communicates comfortably with a diverse range of patients, ensuring

they understand their condition and recovery expectations. His balanced approach—combining modern technology, clinical experience, and personalised care—helps patients achieve reliable outcomes and long-term joint function.

Field of Expertise

- Specialises in performing Joint Replacement Surgeries, including Knee, Hip, Shoulder, and Elbow Replacements, and Revision Replacement Surgeries to alleviate pain and restore function in patients with degenerative joint diseases.
- Skilled in Arthroscopy, utilising minimally invasive techniques to diagnose and treat joint conditions, providing precise treatment.
- Specialises in Trauma Surgeries, providing timely and comprehensive care to patients with musculoskeletal injuries, including basic to complex Fracture Fixation procedures.

Languages Spoken

- Bengali
- Hindi
- English