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Introduction

Musculoskeletal surgery encompasses a broad spectrum of procedures designed to address issues affecting the bones, joints, muscles, ligaments, and tendons. Over the years, significant advancements in technology, surgical techniques, and postoperative care have revolutionized the field, improving patient outcomes and enhancing the overall effectiveness of musculoskeletal surgeries [1].

This article provides a comprehensive overview of musculoskeletal surgery, highlighting key aspects such as surgical techniques, emerging technologies, and postoperative care. Musculoskeletal surgery is a specialized branch of surgical medicine that focuses on the treatment of disorders affecting the musculoskeletal system, which includes bones, joints, muscles, ligaments, tendons, and other connective tissues [2].

The field encompasses a wide range of surgical procedures aimed at addressing injuries, deformities, diseases, and other conditions that impact the structural integrity and function of the musculoskeletal system. This intricate and dynamic system plays a pivotal role in supporting the body's movements, providing stability, and safeguarding vital organs.

The practice of musculoskeletal surgery has evolved significantly over the years, driven by advancements in medical technology, surgical techniques, and our understanding of the biomechanics of the human body. Surgeons specializing in musculoskeletal interventions are at the forefront of adopting innovative approaches, including minimally invasive procedures, arthroscopy, joint replacement, and reconstructive surgeries. These developments not only enhance the precision and efficacy of treatments but also contribute to reduced recovery times and improved patient outcomes [3]. The spectrum of musculoskeletal

surgery is vast, encompassing a diverse array of subspecialties such as orthopedic surgery, hand surgery, spine surgery, sports medicine, and traumatology. Each subspecialty addresses unique challenges, necessitating specialized knowledge and skills. Musculoskeletal surgeons collaborate closely with other healthcare professionals, including physiotherapists, radiologists, and rehabilitation specialists, to provide comprehensive and multidisciplinary care.

As the prevalence of musculoskeletal conditions continues to rise with factors such as an aging population and increased participation in

***Corresponding author:** Dr. Ravi Sandhu, Department of Musculoskeletal Surgery, University of RK, India, E-mail: ravi.s@gmail.com

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