

Special Issue

Orthopedic Surgery: Latest Advances and Perspectives

Message from the Guest Editor

Orthopedic surgery continues to evolve rapidly, with significant advancements shaping the field. In the U.S., over a million total joint arthroplasties are performed annually, including more than 540,000 total hip arthroplasties and 1M+ total knee arthroplasties. Advances are also being made in relation to spinal surgery, with over 400,000 spinal fusion procedures being performed each year, including more than 340,000 interbody fusions. Emerging techniques and innovations are transforming patient outcomes, such as motion-preserving procedures, biologics to enhance fusion rates and slow degenerative disc disease, and novel strategies to mitigate proximal junctional kyphosis/failure. In joint arthroplasty, trends such as the anterior approach for total hip arthroplasty, robotic navigation, cementless total knee arthroplasty, and improved patellar resurfacing strategies are gaining prominence. This Special Issue aims to highlight the latest research, technological advancements, and future directions in the field of orthopedic surgery. We invite researchers and clinicians to submit their contributions on innovations shaping the future of orthopedic care.

Guest Editor

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