

Special Issue

Cutting Edge of Minimally Invasive Spine Surgery

Message from the Guest Editor

The recent advancements in minimally invasive spinal surgery have been remarkable, benefiting many patients. As reported by numerous past clinical studies, the contributions of minimally invasive spinal surgery include reduced blood loss, shortened surgical times, and decreased damage to spinal soft tissues, leading to a reduction in residual pain. Minimally invasive spinal surgery encompasses a wide range of conditions, from spinal deformities to lumbar degenerative diseases, infections, and pseudarthrosis, with novel techniques being introduced across anterior, lateral, and posterior approaches. The coupling of enabling technologies such as spinal endoscopy, spinal navigation, and robotics with surgical procedures has significantly contributed to reducing complications and improving surgical precision. This Special Issue aims to provide the latest information on minimally invasive spinal surgery techniques, enabling technologies, and novel spinal materials spanning the entire spine.

Guest Editor

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