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Recent Advances in Spine Surgery

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Message from the Guest Editors

Dear Colleagues,

During the past decade, spinal surgery has been subject to a multitude of technological advances and innovations, and many specialties are experiencing a change in their treatment paradigms. The aim of this Special Issue is to give the reader an overview of new and emerging technologies, critically assess their usefulness and effectiveness, and elucidate the existing quality of scientific evidence on these topics.

Special focus will be placed on recent advances in:

- spinal tumor surgery, i.e., treatment of metastatic spine disease with or without spinal cord compression and treatment of malignant primary bone tumors;
- neurogenic and juvenile idiopathic scoliosis (growing rods, sublaminar bands);
- TDR vs. ACDF (long-term outcome);
- prevention and surgical treatment of adjacent segment disease and proximal junctional kyphosis (interspinous bands);
- emerging technologies and their implications;
- minimally invasive surgery (MIS);
- treatment of the aging spine (fast track surgery, prehabilitation);
- bracing in scoliosis;
- sagittal profile; and
- new innovative diagnostic tools (stereoradiography).



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Special Issue



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Message from the Editorial Board

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