

## Special Issue

# Spinal Surgery: Recent Advances and Future Perspectives

### Message from the Guest Editor

The field of spinal cord surgery has evolved dramatically in recent years. As innovative technologies such as surgical-assist robots, AI analysis, advances in minimally invasive techniques, and clinical applications of regenerative medicine continue to emerge, we wish to compile a Special Issue, bringing together the knowledge of expert physicians in the field of spinal cord surgery. The specific topics to be discussed are as follows: **Part I: Innovations in diagnostic technology**

1. Frontiers of AI and diagnostic imaging  
2. Biomarkers and genetic testing **Part II: Paradigm shift in treatment**

3. Robotic-assisted surgery and navigation  
4. New standards for minimally invasive surgery (MIS)  
5. Possibilities and limitations of regenerative medicine

#### **Part III: Special issues**

6. Addressing an ageing society  
7. Innovations in pain management  
8. Patient-centred postoperative care **Part IV: The future perspective**

9. Next-generation technologies  
10. Personalised medicine and preventive strategies  
Through these topics, the purpose of this Special Issue is to provide the latest information on the field of spinal cord surgery.

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### Guest Editor

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### Deadline for manuscript submissions

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