



Advances in Paediatric Spine Surgery

Guest Editors:

Dr. Federico Solla

Paediatric Orthopaedic Unit,
Fondation Lenval, 57 Avenue de
la Californie, 06200 Nice, France

Dr. Luigi Aurelio Nasto

Department of Orthopaedics,
School of Medicine, "L. Vanvitelli"
University Hospital, Università
degli Studi della Campania "L.
Vanvitelli", 80138 Naples, Italy

Deadline for manuscript
submissions:

15 May 2024

Message from the Guest Editors

Dear Colleagues,

The constantly evolving field of pediatric spine surgery has seen tremendous advancements in recent years.

Modern technologies, including vertebral body tethering (VBT), patient-specific rods, self-growing rods, minimally invasive, robot-assisted, and surgical navigation, are active areas of investigation. Similarly, enhanced recovery after surgery (ERAS) protocols as well as newer strategies for peri-operative analgesia are promising tools to hasten recovery after surgery.

The aim of this Special Issue is to bring together prominent scholars in the field of pediatric spine surgery and present the most advanced research in the field. This Special Issue will focus on all aspects of pediatric spine surgery, including scoliosis, hyperkyphosis, congenital deformities, spondylolisthesis, with a special interest in new technologies, new surgical techniques, and peri-operative management protocols.

Keywords

- scoliosis
- adolescent idiopathic scoliosis
- neuromuscular scoliosis
- children
- enhanced recovery after surgery
- vertebral body tethering
- 3D
- kyphosis
- sagittal
- spondylolisthesis



- patient-specific rods
- spondylodiscitis