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Philosophy and strategy in the Surgical Treatment of ASI

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Study: Adolescent idiopathic scoliosis surgery has been going on for many decades. Our operating series began in 1992 and has continued over the years with a certain numerical constancy, up to now, having operated some hundreds of patients.

Objectives: The aim of surgery of severe adolescent idiopathic scoliosis is to rebalance the spine, stabilizing the correction obtained to avoid further aggravation of the deformity.

Methods: Since 2012 we use a prosthetic system associated with a philosophy of correction. We have always modeled the bar on the sagittal plane and corrected the scoliosis by translation, then performing a real direct derotation.

We have associated compression and distraction maneuvers in the selected cases. We have carried out systems rich in instrumentation, in general, screws and we have connected them with Cobalt Chrome bars.

Results: The results are good in terms of correction and

therefore rebalancing of the rachis and therefore of the shoulders and pelvis, maintenance of the correction obtained and also a discrete reduction of the hump. We have not been free from short- and medium-term complications.

Conclusions: The aim is to rebalance the spine and stabilize it in the arthrodesis area to avoid its development. They say that after one year from this surgery the patient can perform a gymnastic activity, even in a competitive nature.

Speaker Biography

Pier Paolo Mura has completed his Specialization in Orthopedics and Traumatology from the University of Cagliari, Italy at the age of 35 years. He is Team manager of Spinal Surgery Unit and Scoliosis Center Policlinico Sant'Elena, Kinetika Sardegna Gruppo Korian, Quartu Sant'Elena, Italy. Surgical treatment of spinal diseases, with particular reference to degenerative diseases and deformities 6000 operations carried out as principal surgeon. He has over hundreds of publications, and his publication an editorial board member of reputed Journals.

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