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Clinical Practice Study

Different types of mechanical complications after surgical correction of adult spine deformity with osteotomy

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Abstract

Aim: To determine the incidence and risk factors for mechanical complications (MC) after surgical correction of adult spinal deformity (ASD) with osteotomy.

Methods: A retrospective study was performed. Inclusion criteria: surgical correction of ASD using osteotomy; male or female; >20 years old; follow-up ≥24 months or revision. The MC of spine and spinal instrumentation were studied separately. Risk analysis included assessment of the association between more than 50 different characteristics (demographic, clinical, radiographic, and instrumentation) with different types of MC.

Results: The medical records of 94 operations in 88 subjects were analyzed: female (68%),

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Spinal deformity correction surgery, together with the development of new ... More effective instrument-aided **deformity correction** and stabilization **after osteotomy** or ... Healed tuberculous kyphosis in an **adult** is very rigid and angled acutely. ... **Another complication** unique to pedicle screw is the risk to the great vessel.

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Posterior osteotomies for kyphosis correction - ScienceDirect

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2017年8月10日 - This manuscript discusses the various types of osteotomies, indications, evaluation, and ... (E) Postoperative lateral after PSO performed at the L3 level. The goals of surgical correction of kyphotic deformity is to restore anatomic iatrogenic neurologic complications in pediatric and adult spine surgery.

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跳到 Treatment concepts - Another paper shows that after PSO of the lumbar spine, one ... However, some rules of spinal deformities and spine surgery may dictate other choices. The answer to these problems may be the use of cement ... The types of osteotomies and the incidence of PJK have not been clarified yet ...