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Neuromuscular scoliosis and pelvic fixation in 2015: Where do we stand?

Jason B Anari, David A Spiegel, Keith Baldwin

Abstract

Neuromuscular scoliosis is a challenging problem to treat in a heterogeneous patient population. When the decision is made for surgery the surgeon must select a technique employed to correct the curve and achieve the goals of surgery, namely a straight spine over a level pelvis. Pre-operatively the surgeon must ask if pelvic fixation is worth the extra complications and infection risk it introduces to an already compromised host. Since the advent of posterior spinal fusion the technology used for instrumentation has changed drastically. However, many of the common problems seen with the unit rod decades ago we are still dealing with today with pedicle screw technology. Screw cut out, pseudoarthrosis, non-union, prominent hardware, wound complications, and infection are all possible complications when extending a spinal fusion construct to the pelvis in a neuromuscular scoliosis patient. Additionally, placing pelvic fixation in a neuromuscular patient results in extra blood loss, greater surgical time, more extensive dissection with creation of a deep dead space, and an

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MW construct in fusion for neuromuscular scoliosis

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2006年3月17日 - Correction of pelvic obliquity in neuromuscular scoliosis is a surgical challenge. ... means of achieving spinopelvic fixation in neuromuscular scoliosis. ... We retrospectively reviewed our first six cases of neuromuscular ...

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2009年5月7日 - In addition we attempted to identify some risk factors for a few complications. ... Pelvic fixation was achieved with pedicle screws into the iliac wings directed However, we do not agree to that conclusion as we have used allograft in all our patients. 2015 BioMed Central Ltd unless otherwise stated.

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How often should a child with neuromuscular disease who has mild scoliosis get back xray and see the orthopedic surgeon? ... It is not a panacea and we do not use clamps in isolation. If pelvic fixation (screws into the pelvic bone) was not done during the

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Pelvic fixation for neuromuscular scoliosis deformity correction

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作者: R Dayer - 2012 - 被引用次数: 8 - 相关文章

2012年3月20日 - Neuromuscular scoliosis surgery is associated with a high risk of complications, ... Numerous techniques have been described for pelvic fixation associated ... Pelvic obliquity can originate from leg length inequality, contractures about the hip, ... Because of the uncertainty of a horizontal standard line, the ...

Neuromuscular scoliosis - ScienceDirect

www.sciencedirect.com/science/article/.../S1877056812002745 ▾ [翻译此页](#)

作者: R Vialle - 2013 - 被引用次数: 4 - 相关文章

2013年1月18日 - Conservative and surgical treatment of neuromuscular scoliosis differs from ... A. Lateral spinal X-ray, standing, age 8 years. ... Hip range of motion evaluation should take account of pelvic ... frequently lead to complications, particularly at the spinal fixation sites. [42]; I. Gill, M. Eagle, J.S. Mehta, et al.

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How often should a child with neuromuscular disease who has mild scoliosis get ... I have read that fixing is recommended to T4 (shoulder blades height) – in patients with DMD. to the pelvis, but I have had children lose up right function in walking standing and or