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FAQ



Name of Journal: World Journal of Orthopedics

Manuscript NO: 48655

Manuscript Type: SYSTEMATIC REVIEW

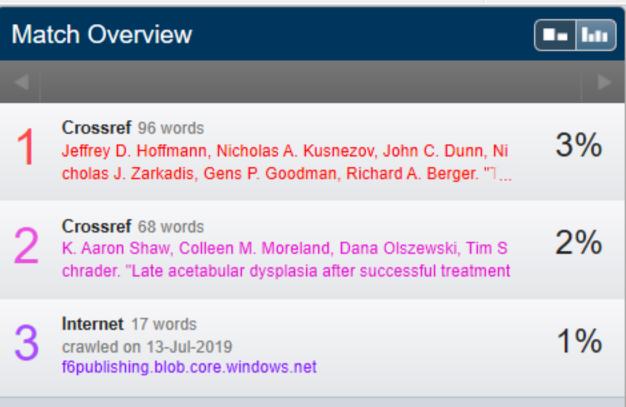
Magnetically controlled growing instrumentation for early onset scoliosis: Caution needed when interpreting the literature

Shaw KA et al. Complications with MCGR

Abstract

BACKGROUND

Magnetically controlled growing rods (MCGR) are a novel treatment option for early onset scoliosis (EOS). Although the complication profile with MCGR use has been reviewed, these reviews do not take into account important implants modifications.





Magnetically controlled growing instrumentation for early onset scoliosis: Caution

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Magnetic controlled growing rods for early-onset scoliosis ...

https://www.sciencedirect.com/science/article/pii/S1529943016002916

The use of magnetic controlled growing rod (MCGR) system in early-onset scoliosis following failure of conservative treatment such as bracing or casting is now well recognized,,. Magnetic controlled growing rods have gained popularity over the recent years because control of scoliosis is achieved without the need for invasive surgical lengthening.

Cited by: 27 Author: Kar Hao Teoh, Daniel M.G. Winson, Stua...

Publish Year: 2016

Magnetically controlled growing rods in the treatment of ...

https://www.researchgate.net/publication/317270393_Magnetically_controlled_growing...

Studies were included if patients with early-onset scoliosis (scoliosis diagnosed before 10 years of age) underwent implantation of magnetically controlled growing rods with a minimum of 2-year ...

Magnetically Controlled Growing Rods for the Management ...

https://www.researchgate.net/publication/280219302_Magnetically_Controlled_Growing...

Request PDF on ResearchGate | Magnetically Controlled Growing Rods for the Management of Earlyonset Scoliosis: A Preliminary Report | A new method for the management of early-onset scoliosis ...

Growing rod concepts: state of the art - PubMed Central (PMC)

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3616472

May 08, 2012 · Growing rods seem to be a viable treatment option in early-onset scoliosis associated with **SMA**. Fig. 3 The patient in this figure is a 74-month-old girl with infantile idiopathic scoliosis whose standing height at the commencement of growing rod treatment was 115 cm. a Preoperative and immediately postoperative standing X-rays after index surgery. ...

Cited by: 20 Author: Muharrem Yazici, Z. Deniz Olgun

Publish Year: 2013

Comparison of single and dual growing rods in the ...

https://josr-online.biomedcentral.com/articles/10.1186/s13018-016-0413-y ▼

Jul 12, 2016 · In the literature, the term "early onset" has been used to indicate scoliosis before **5 years old** of all etiologies, while "late onset" indicates scoliosis after age **five** [19]. The distinction is made because of the difference in spine growth and cardiopulmonary compromise before ...



Magnetically Controlled Growing Instrumentation for Early Onset Scoliosis:



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Magnetically-Controlled Growing Rods for Early Onset ...

https://www.researchgate.net/publication/298338969_Magnetically-Controlled_Growing...

Magnetically-Controlled Growing Rods for Early Onset Scoliosis: A Multicenter Study of 23 Cases with Minimum 2 Years Follow-Up. Study design: retrospective OBJECTIVE.: To report the 2-year clinical and radiographic results of patients treated with magnetically controlled growing rods (MCGR). Summary of background data: MCGR for early-onset...

Magnetic controlled growing rods for early-onset scoliosis ...

https://www.sciencedirect.com/science/article/pii/S1529943016002916

Materials and methods. We reviewed our first cohort of patients with early-onset scoliosis treated with magnetic controlled growth rods (MAGEC system, Ellipse Technologies, Inc) who were operated in 2011. This case series consisted of 8 patients, with a minimum of 44 months' follow-up and average of 48 months (44–55 months).

Cited by: 23 Author: Kar Hao Teoh, Daniel M.G. Winson, Stu...

Publish Year: 2016

Magnetically controlled growing rods in the treatment of ...

https://www.researchgate.net/publication/317270393_Magnetically_controlled_growing...

Magnetically controlled growing rods in the treatment of early-onset scoliosis: a note of caution

Article in Bone and Joint Journal 99-B(6):708-713 · June 2017 with 43 Reads DOI: 10.1302/0301 ...

Comparison of single and dual growing rods in the ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4942973

In the literature, the term "early onset" has been used to indicate scoliosis before 5 years old of all etiologies, while "late onset" indicates scoliosis after age five [19]. The distinction is made because of the difference in spine growth and cardiopulmonary compromise before and after age five [20].

Cited by: 2 Author: Gui-Jun Xu, Xin Fu, Peng Tian, Jian-xio...

Publish Year: 2016

Growing Rods Are an Effective Fusionless Method of ...

https://journals.lww.com/pedorthopaedics/Fulltext/2017/12000/Growing_Rods_Are_an...

Growing rods (GRs) have been used in early-onset scoliosis (EOS) effectively. The purpose of this study was to evaluate GR use in NF1. Methods: Retrospective data collection was performed from a multicenter EOS database with additional patients from our own institute. Each patient had a genetic diagnosis of NF1 and was treated with GR.





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Magnetically Controlled Growing Rod in Early-Onset Scoliosis ...
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作者: B Yılmaz - 2016 - 被引用次数: 10 - 相关文章
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Scoliosis: A Minimum of 2-Year Follow-Up. ... with early-onset scoliosis who