

Accepted Manuscript

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Effect of surgery at 10 years of follow-up

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PII: S0966-6362(18)30007-9
DOI: <https://doi.org/10.1016/j.gaitpost.2018.01.007>
Reference: GAIPOS 5921

To appear in: *Gait & Posture*

Received date: 24-5-2017
Revised date: 22-11-2017
Accepted date: 11-1-2018

Please cite this article as: Mahaudens Philippe, Dalemans France, Banse Xavier, Mousny Maryline, Cartiaux Olivier, Detrembleur Christine. Gait in patients with Adolescent Idiopathic Scoliosis. Effect of surgery at 10 years of follow-up. *Gait and Posture* <https://doi.org/10.1016/j.gaitpost.2018.01.007>

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Title

Gait in patients with Adolescent Idiopathic Scoliosis. Effect of surgery at 10 years of follow-up.

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Research highlights

- Back muscles EMG is increased in adolescent idiopathic scoliosis during gait
- Mechanical and metabolic energy are altered in AIS whatever the curve severity
- Spinal arthrodesis in AIS reduces spine motion without to alter the gait kinematics
- At long term after surgery, back muscles EMG, during gait, tends to the norms
- Metabolic energy remains excessive in AIS despite the long term surgical follow-up

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