Informed consent
Evaluation every 6 months

Summary study protocol
• Anamnesis
• Physical exam
  o Physical exam back
  o Length and weight measurements
  o Secondary sexual characteristics
• Total body X-ray
  o Spine: classification scoliosis, Cobb angle, length scoliotic spine
  o Pelvis: Triradiate cartilage, Risser sign
  o Hand: Tanner Whitehouse skeletal age
  o Elbow: Sauvegrain skeletal age
• EMG ratios paraspinal muscle activity

Inclusion
All patients between 8 and 17 years, with adolescent idiopathic scoliosis (Cobb angle >10°) visiting the outpatient clinic of the UMCG.

Exclusion
• Previous spinal operation
• Skeletal dysplasia
• Abnormalities of maturation or height that would influence height measurements