

# *When is definitive fusion more appropriate than fusionless methods?*

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*Panelists:           Alain Dimeglio, Peter Newton, Richard McCarthy*

# *Spine deformities in growing child*

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- *Fusionless surgery, as we can*
  - *Standard recipe for every case?*
  - *Is there any place for instrumented or in-situ fusion?*

# *Type of surgery*

## *Decision making*

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- *Factors*
  - *Patient-related*
    - *Age*
    - *Diagnosis*
    - *Co-morbidities*

# **Type of surgery**

## *Decision making*

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- *Factors*
  - *Deformity-related*
    - *Type*
    - *Rigidity*
    - *Size*
    - *Localization*
    - *Length*

# *Type of surgery*

## *Decision making*

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- *Factors*
  - *Surgeon-related*
    - *Motivation*
    - *Insurance system*
    - *Hospital policy*

# #1 Juvenile idiopathic scoliosis

7+7, F, Curve rigidity



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7+7, F, Curve rigidity

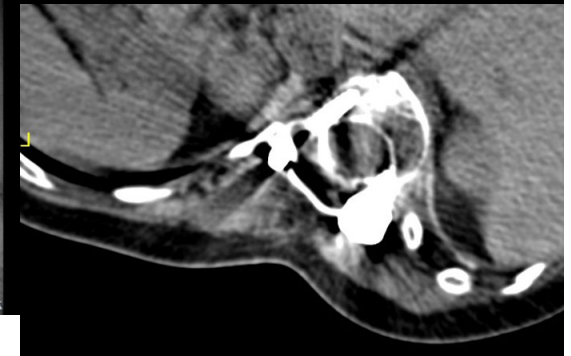
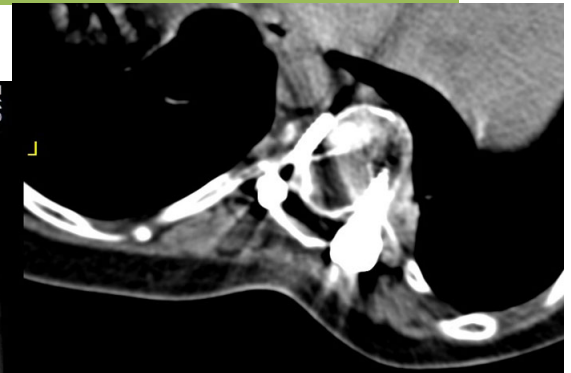
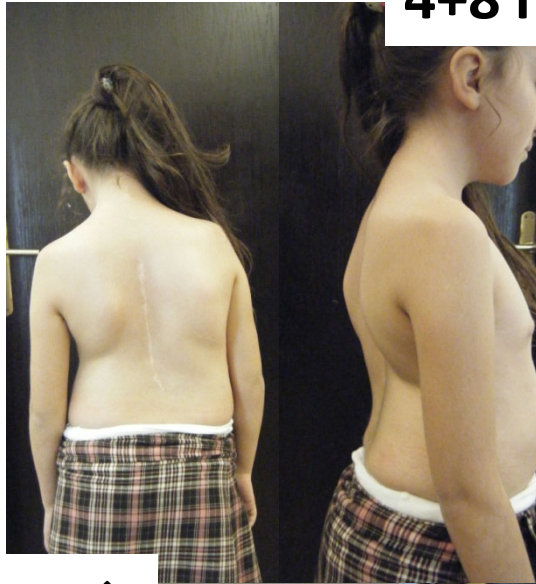
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# #1 Juvenile idiopathic scoliosis

7+7, F, Curve rigidity

4+8 month postop

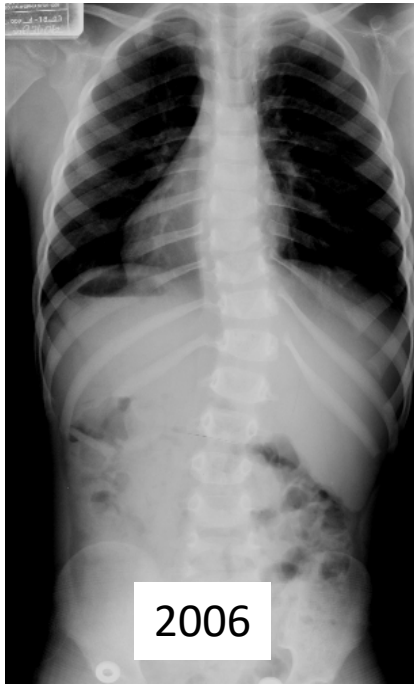


132 cm →



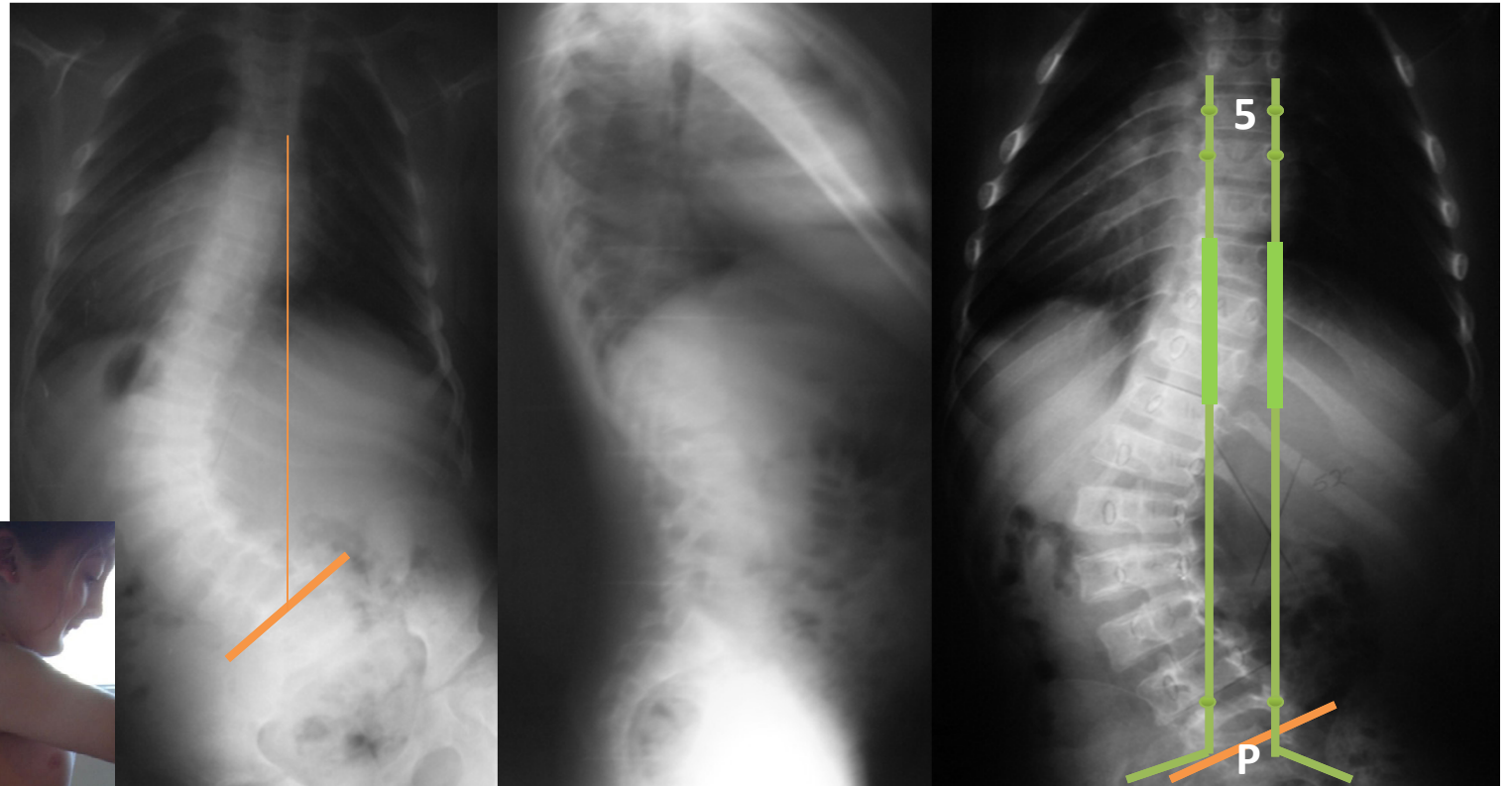


# 3 y/o male, NF1



# #2 Congenital muscular dystrophy

7+9, F, Instrumentation limits?



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7+9, F, Instrumentation limits?



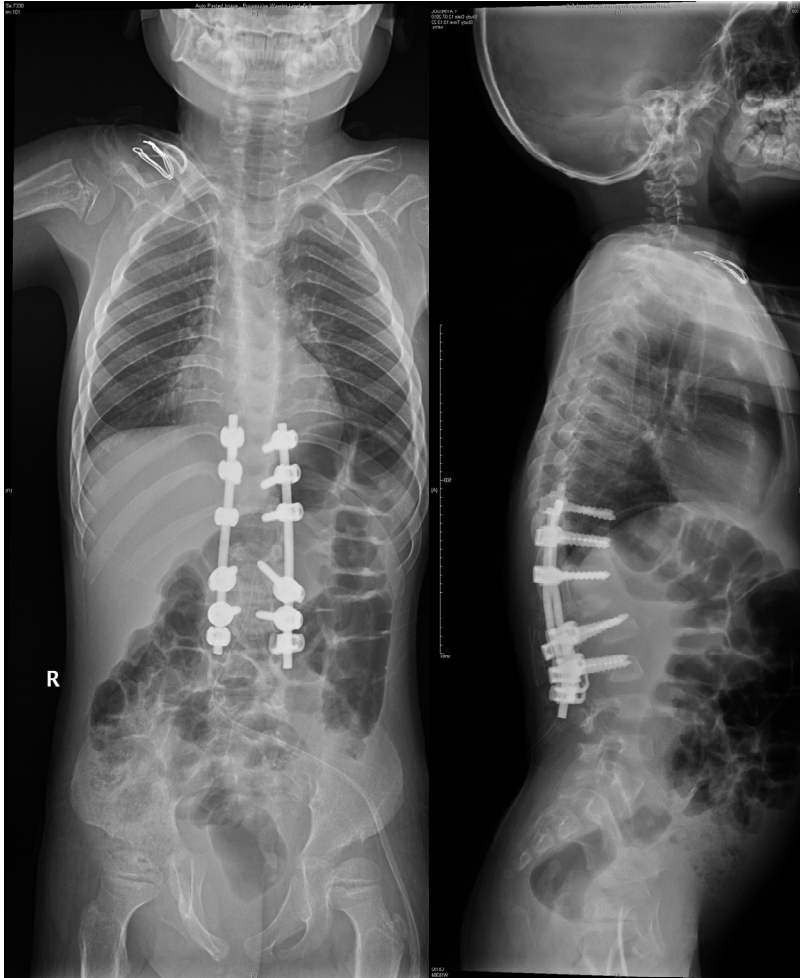
# #3 MPS 6

6+0, F, Localization of anomaly & underlying pathology



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6+0, F, Localizaton of anomaly & underlying pathology



# #4 SMA 2

8+4 , M, associated co-morbidity

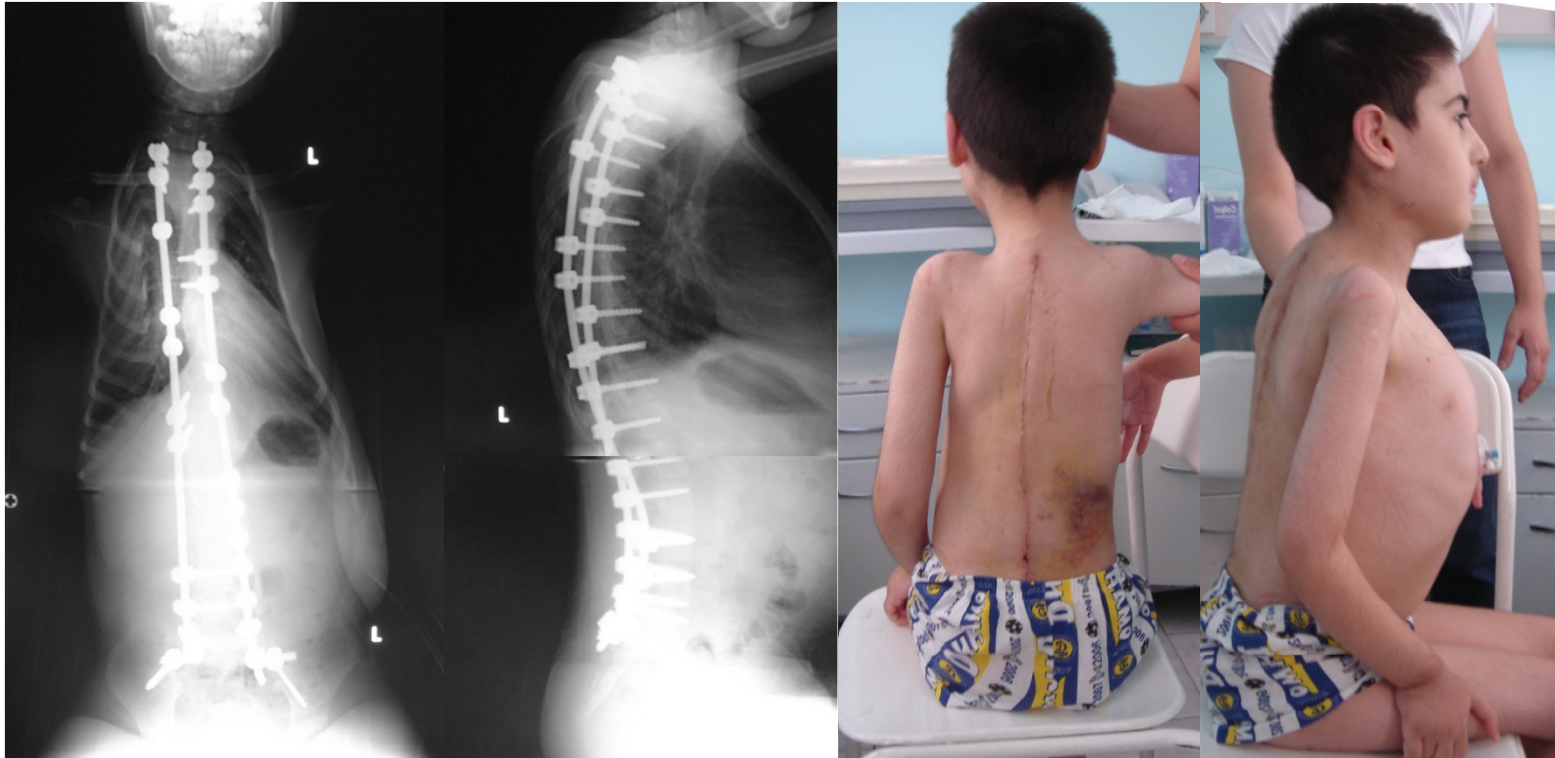
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# #4 SMA 2

8+4 , M, associated co-morbidity

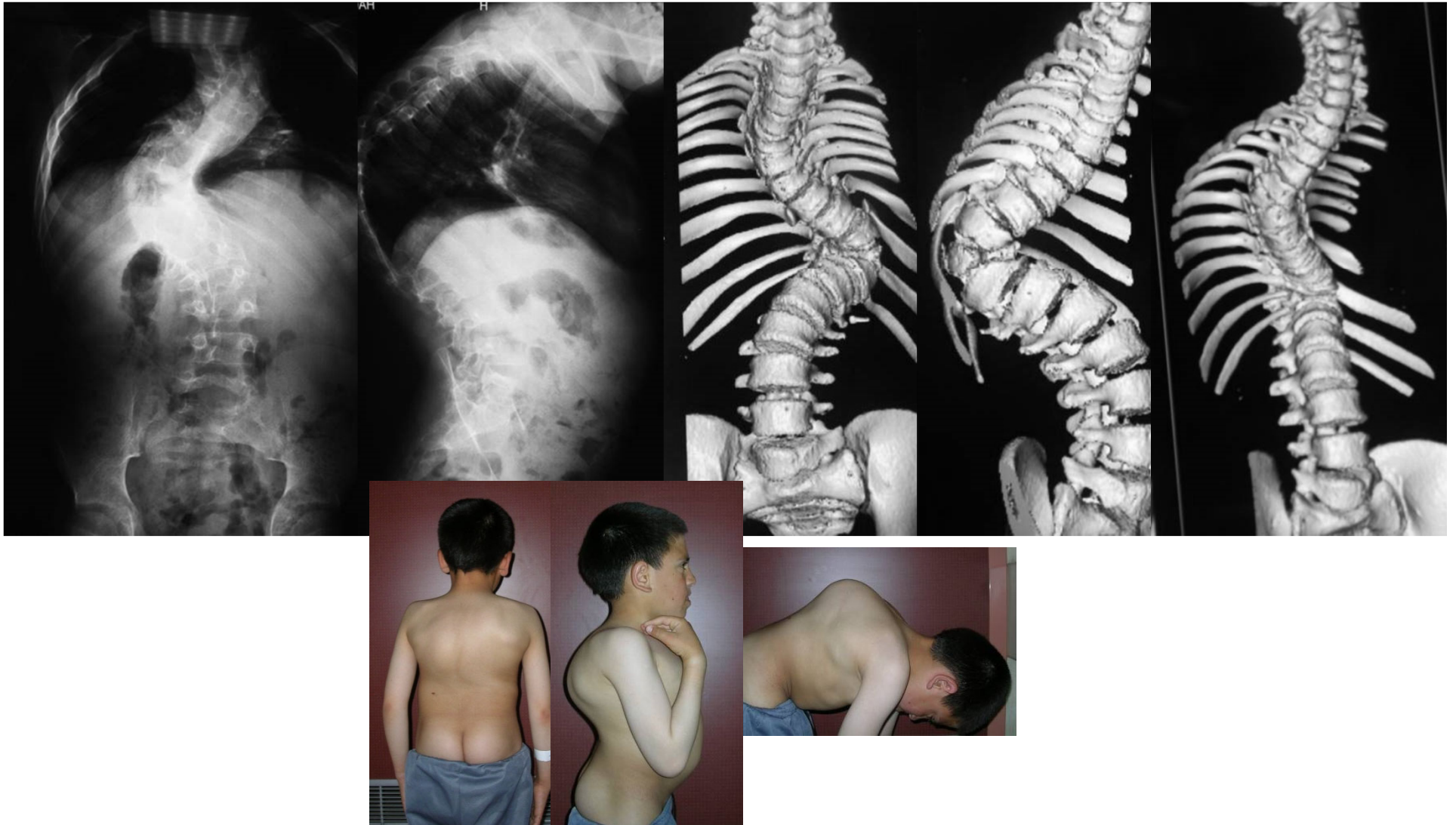
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# #5 Congenital kyphoscoliosis

9+2 , M, complexity of anomaly

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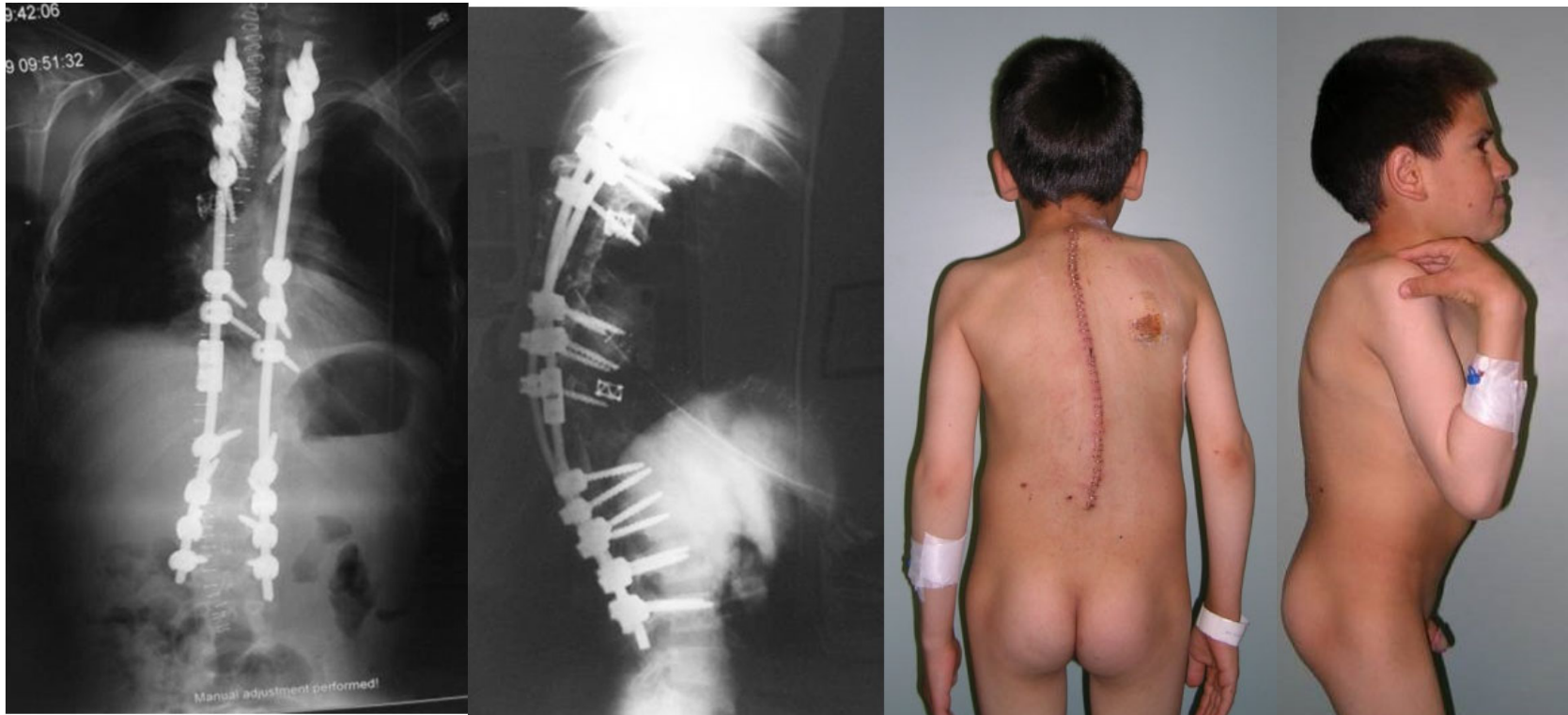




# #5 Congenital kyphoscoliosis

9+2 , M, complexity of anomaly

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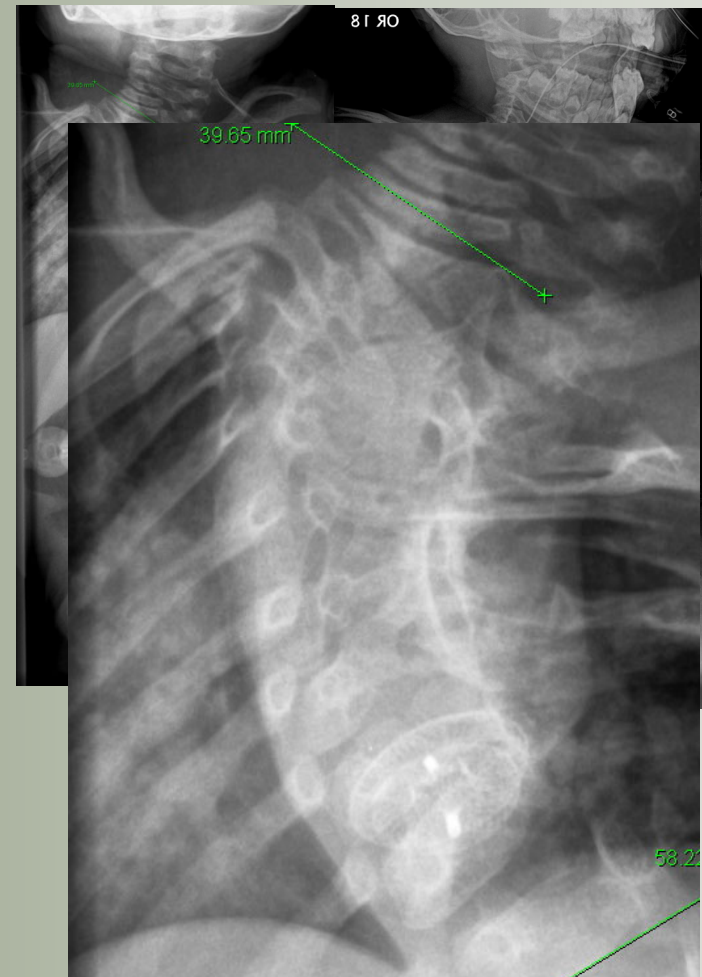


# Twins..

- John

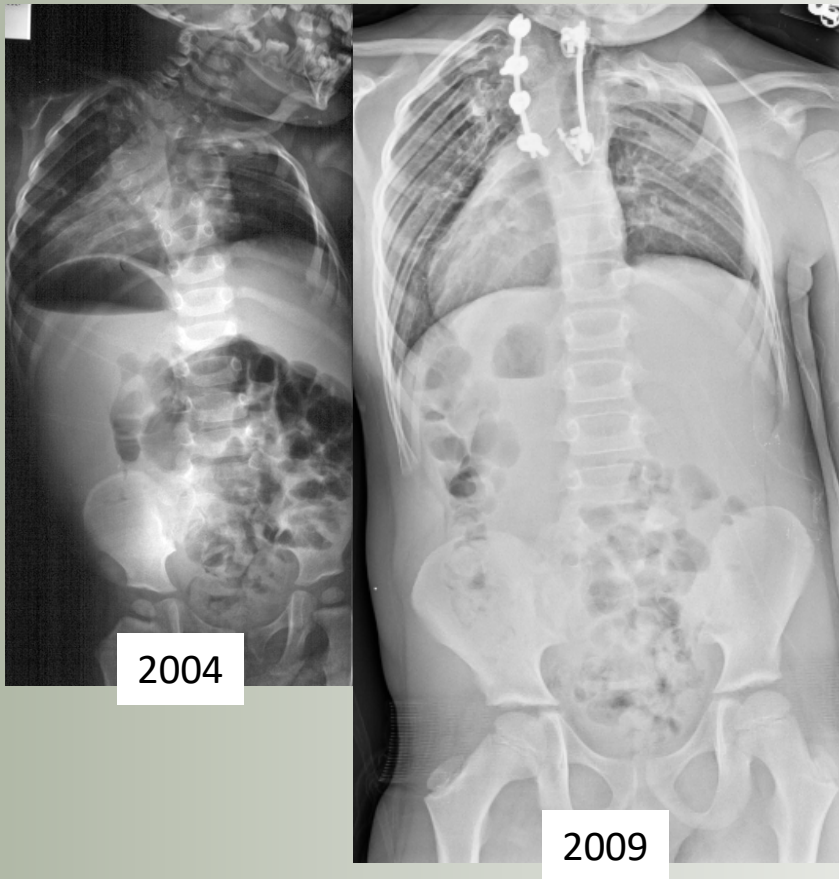


- Jane

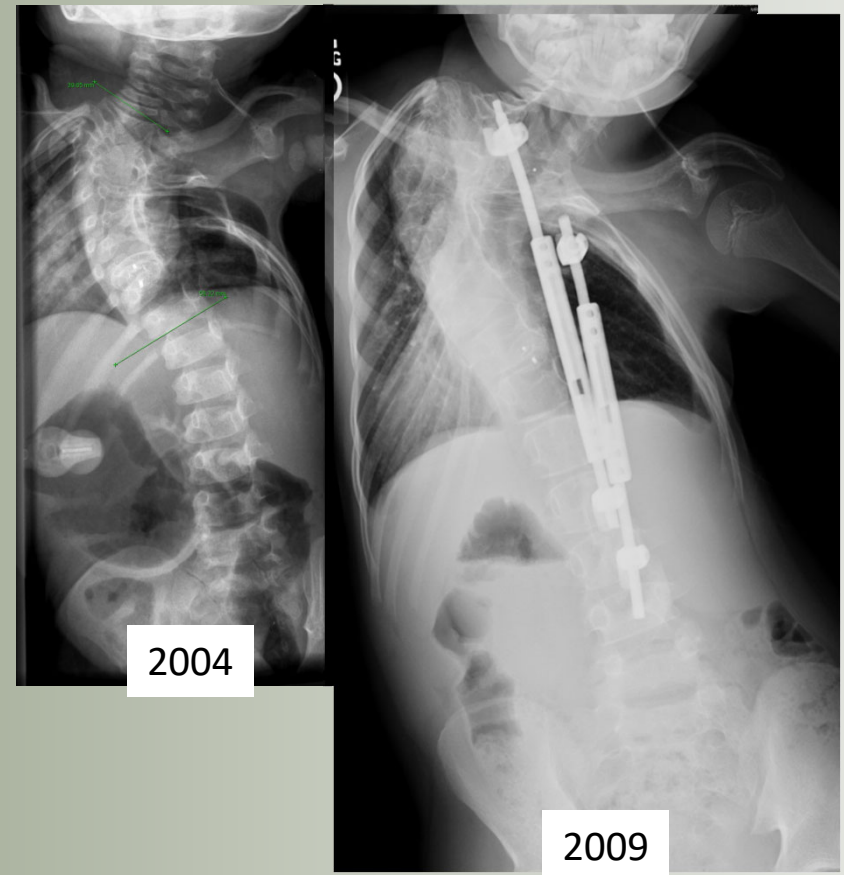


# Twins..

- *John*



- *Jane*



# 1.5 year old. Myelo

