

Definition of Scoliosis

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Revised Glossary of Terms

SRS Terminology Committee and Working Group on Spinal Classification Revised Glossary of Terms

By the Working Group on 3-D Classification (Chair Larry Lenke, MD), and the Terminology Committee, March 2000

Scoliosis

a lateral curvature of the spine



- Galen (Pergamum [Bergama-Turkey] 130- Rome 200/216 A.J.C) creates the terms Kyphosis, Lordosis and Scoliosis.



Etymology

Latin: Scoliosis Greek: Skoliosis

σκολίωσις

= σκολιός

+ -σις

Crookedness, Bending, Twisting



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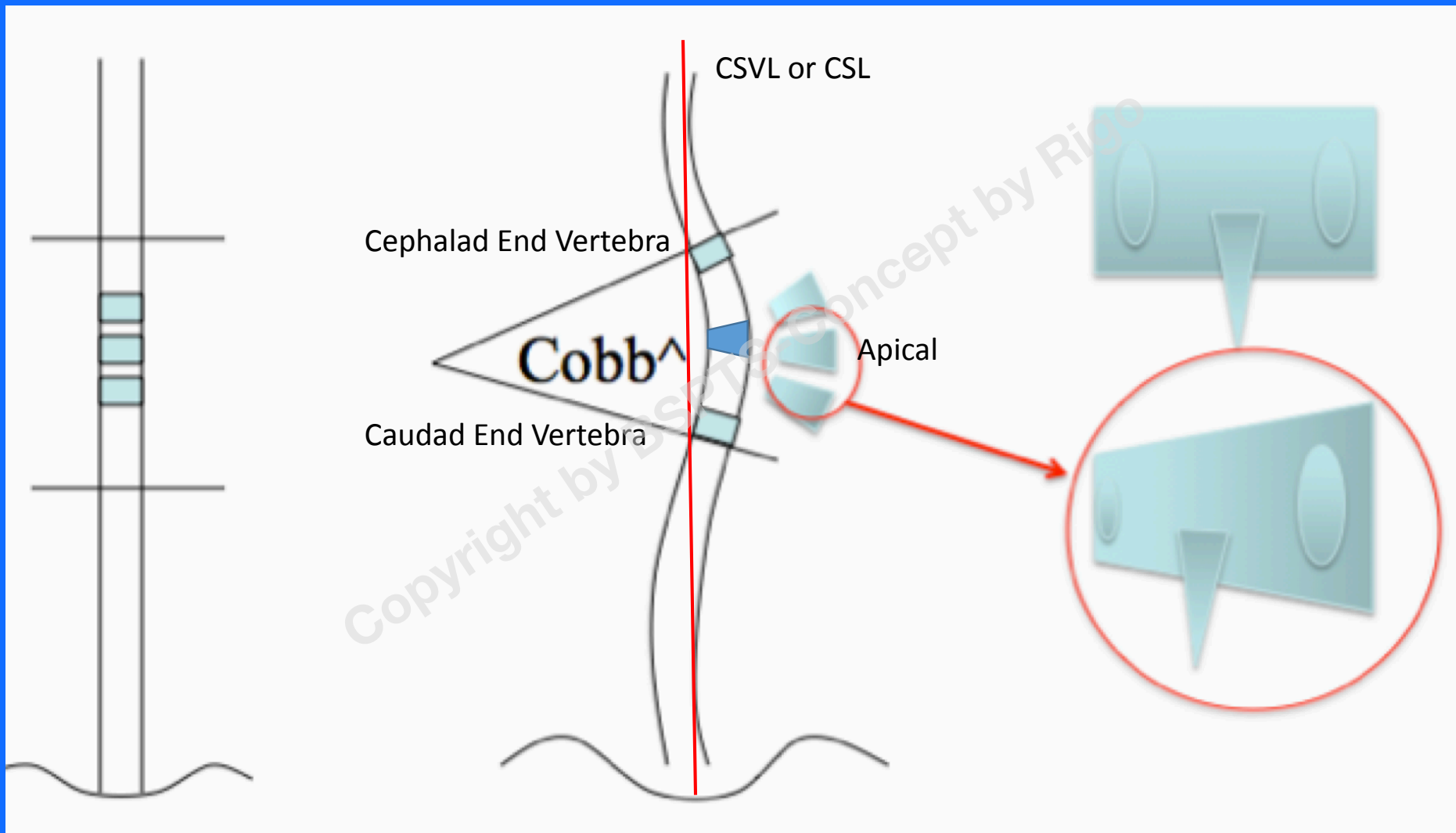
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Structural curve	a measured spinal curve in the coronal plane in which the Cobb measurement fails to correct past zero on supine maximal voluntary lateral side bending x-ray
Non-structural curve	a measured curve in the coronal plane in which the Cobb measurement corrects past zero on supine lateral side bending x-ray

Historically: Morphological and Non-Morphological (or Functional) Scoliosis
General Meaning: Partially Fixed and Fully Correctable





PROGNOSIS IN IDIOPATHIC SCOLIOSIS

IGNACIO V. PONSETI and BARRY FRIEDMAN
J. Bone Joint Surg. Am. 32:381-395, 1950.

IDIOPATHIC SCOLIOSIS

**The prognosis, diagnosis, and operative indications related
to curve patterns and the age at onset**

J. I. P. JAMES, LONDON, ENGLAND

From the Royal National Orthopaedic Hospital and the Institute of Orthopaedics

THE JOURNAL OF BONE AND JOINT SURGERY

VOL. **36 B**, NO. 1, FEBRUARY 1954

‘It will be seen that the percentage of each curve pattern in the two series varies considerably. One possible explanation is that Ponseti and Friedman recognised the primary curve essentially by radiological criteria, whereas in this series the clinical examination has been regarded as of greater importance. **Fixed rotation on forward flexion has been interpreted as indicating a primary curve.** In most cases the physical signs and the radiographic appearance lead to similar conclusions.’



Adams Test, confirming a Structural Scoliosis

Forward Bending Test The two classical Criteria



Structural Scoliosis are most idiopathic

- **Idiopathic (75%-80%)**
- Neuromuscular (5%-7%)
- Congenital (10%)
- Recklinghausen (2%-3%)
- Others (Marfan, Beals, ... tumors)

Scoliosis Research Society

