Blueprints for the pattern specific brace treatment of patients with scoliosis taking into consideration the correction principles of Chêneau and the patterns of the augmented classification of Lehnert-Schroth

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A detailed description of the key patterns can be found at:


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3-curve with hip prominence (3CH)

Example of treatment

Girl with a 3CH pattern due to neuromuscular condition. Satisfying in-brace correction in a curve initially exceeding 60°.

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3-curve balanced (3C)

Example of treatment

Curve balanced because of the high thoracic counter curve. To avoid a compression in the lower thoracic area the pad (arrow) has been omitted, but can be implemented, when the lumbar counter curve is longer.
3-curve with long lumbar curve (3CL)

Example of treatment

The lumbar counter curve made it necessary to counter tilt the pelvic area in order to correct the stiff thoracic curve at its best (shift to the left).

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Girl from Danmark with a significant 4C (double major). The high lumbar apex in combination with a mid / low thoracic apex usually does not allow to correct very much. As the girl was 12 years at the start of treatment, a sufficient in-brace correction has been achieved.
4-curve single lumbar (4CL)

Example of treatment

14 year old girl with a 4CTL curve clearly overcompensated allowing best possible realignment. After 6 months of treatment pelvis is already compensated.

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3-curve thoracolumbar (3CTL)

Example of treatment

Italian boy, born 20.12.05 with 28° Cobb before the adjustment of his second brace on the left / in the Gensingen brace® on the right 6° Cobb (Initial Chêneau brace treatment started at the age of 4 years with 40°)