



## Supplementary Material

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**Table i.** Definitions of radiological parameters.

Radiological parameter	Definition
Cobb angle	The angle between the upper endplate of the uppermost vertebra and the lower endplate of the bottommost vertebra of the major curve on coronal view
Shoulder height difference	The vertical distance between horizontal lines passing through the coracoid processes of each side
Truncal shift	The horizontal distance between the central sacral vertical line and the vertical line that bisects the width of the ribcage at its widest point
C7-CSVL	The horizontal distance between the C7 plumb line and the central sacral vertical line
T1 tilt	The angle between the upper endplate of the T1 vertebra and the horizontal
Apex	The vertebra of the major curve that is most laterally displaced from the central sacral vertical line
Apical vertebra wedging	The angle between the upper and lower endplates of the apical vertebra
Disc angulation (upper)	The angle between the upper endplate of the apical vertebra and the lower endplate of the vertebra immediately above the apex
Disc angulation (lower)	The angle between the lower endplate of the apical vertebra and the upper endplate of the vertebra immediately below the apex
Apical ratio	The ratio between the convex and concave heights of the apical vertebra
T5–T12 kyphosis	The angle between the upper endplate of the T5 vertebra and the lower endplate of the T12 vertebra on sagittal view
L1–S1 lordosis	The angle between the upper endplate of the L1 vertebra and the sacral plate on sagittal view
Sacral slope	The angle between the sacral plate and the horizontal
Pelvic incidence	The angle between the line perpendicular to the sacral plate at its midpoint and the line from this point to the femoral head axis
Pelvic tilt	The angle between the vertical and the line from the midpoint of the sacral plate to the femoral head axis
Sacral vertical axis	The horizontal distance between the C7 plumb line and the posterosuperior corner of the sacrum