

S2 alar-iliac screw

The S2 alar-iliac (S2AI) [screw](#) is a modification of the traditional iliac fixation technique using the space between the neural foramina of S1 and S2 as an insertion point to fix the [sacrum](#) to the [ilium](#).

Traumatic [sacral spondyloptosis](#) adds a degree of difficulty to reduction, fixation, and fusion. The technique presented herein achieved sagittal realignment via a distraction maneuver of S1-2 in which rods were attached to bilateral dual [S2 alar-iliac screws](#) with reduction screws placed at S1, ultimately pulling L5 and S1 up to the rod for fixation ¹⁾.

¹⁾

Tracz JA, Judy BF, Sacino AN, Bydon A, Witham TF. Management of traumatic sacral spondyloptosis: illustrative case. J Neurosurg Case Lessons. 2022 Jul 18;4(3):CASE22221. doi: 10.3171/CASE22221. PMID: 36046707; PMCID: PMC9301347.

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