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**Figs. E1-A through E1-D** Long standing radiographs of a seventy-one-year-old man in the primary group with kyphoscoliosis. **Fig. E1-A** Preoperative anteroposterior view showing a thoracolumbar scoliosis of 84°. **Fig. E1-B** Preoperative lateral view showing a lumbar lordosis of 17°.

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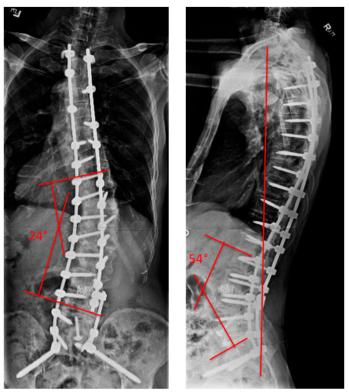
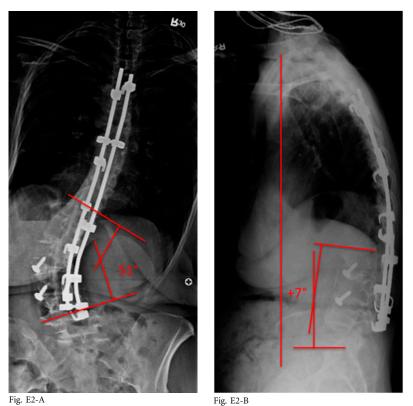


 Fig. E1-C
 Fig. E1-D

 Fig. E1-C
 Postoperative anteroposterior view showing a correction of scoliosis to 24° with posterior spinal instrumentation and arthrodesis from T3 to S2.

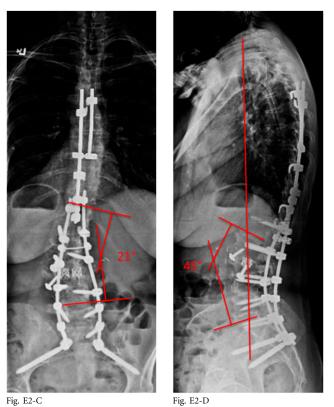
 Fig. E1-D
 Postoperative lateral view showing a correction of lumbar lordosis to 54°.

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**Figs. E2-A through E2-D** Long standing radiographs of a sixty-eight-year-old woman with scoliosis who had multiple previous surgical procedures, including a posterior arthrodesis. **Fig. E2-A** Preoperative anteroposterior view showing substantial coronal imbalance. **Fig. E-2B** Preoperative lateral view showing a lumbar kyphosis of 7°.

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Postoperative anteroposterior (Fig. E2-C) and lateral (Fig. E2-D) views showing good coronal and sagittal balance obtained via extension of the arthrodesis to the pelvis with an extended pedicle subtraction osteotomy performed at L3.

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| Parameter              | Primary Group ( $N = 59$ ) |                    |                  | Revision Group ( $N = 108$ ) |                    |                 |
|------------------------|----------------------------|--------------------|------------------|------------------------------|--------------------|-----------------|
|                        | Preoperative               | 6-Wk Postoperative | Final Follow-up  | Preoperative                 | 6-Wk Postoperative | Final Follow-up |
| SRS-22 score* (points) |                            |                    |                  |                              |                    |                 |
| Pain                   | 1.9 (0.4 to 3.1)           | 3.4 (2.3 to 4.5)   | 3.2 (2.3 to 4)   | 1.8 (0.3 to 3.2)             | 3.5 (2.4 to 4.8)   | 3.2 (2.5 to 4.3 |
| Self-image             | 2 (1.1 to 3.4)             | 2.9 (1.6 to 4.2)   | 2.7 (0.9 to 4.2) | 2 (0.5 to 3.2)               | 2.9 (0.5 to 3.9)   | 2.4 (1.0 to 3.8 |
| Activity               | 2.4 (1.2 to 3.2)           | 2.8 (2.0 to 3.6)   | 3.0 (2.5 to 3.8) | 2.5 (1 to 3.8)               | 2.8 (2.0 to 3.3)   | 3.1 (2.5 to 3.8 |
| Mental health          | 1.8 (1 to 2.7)             | 1.8 (1.5 to 2.3)   | 2.9 (2.3 to 3.4) | 1.8 (0.6 to 2.7)             | 1.8 (1.4 to 2.2)   | 3.0 (2.5 to 3.7 |
| Satisfaction           | 1.8 (0.1 to 4.2)           | 2.2 (1.5 to 3.0)   | 3.3 (1.7 to 4.8) | 1.6 (0 to 5.7)               | 2.2 (1.3 to 3.1)   | 3.4 (1.8 to 5.1 |
| ODI score*             | 71 (42 to 98)              | 42 (16 to 80)      | 36 (6 to 72)     | 72 (48 to 94)                | 40 (12 to 70)      | 32 (0 to 62)    |