



Fig. E-1

Figs. E-1A through E-1D Views of an eccentric rotational acetabular osteotomy in a Sawbones model. **Fig. E-1A** Lateral view of the spherical osteotomy line in the innominate bone and the pubic osteotomy line 5 mm proximal from the iliopubic prominence. **Fig. E-1B** Anterior view of the osteotomy line. **Figs. E-1C and E-1D** After the osteotomy, the acetabular fragment was rotated laterally (about 1 cm) and only slightly anteriorly.

TABLE E-1 Range of Motion, Harris Hip Score, and Final Outcome According to the Ninomiya and Tagawa Stage of Osteoarthritis Preoperatively*

	Stage-1 OA	Stage-2 OA	Stage-3 OA	ITVO	Total
Range of motion (<i>deg</i>)					
Preop.					
Flexion	120.8 ± 7.3	116.2 ± 10.9	105.9 ± 10.6	93.5 ± 18.4	109.3 ± 15.1
Abduction	32.3 ± 3.2	28.7 ± 6.1	25.4 ± 5.5	21.5 ± 6.8	26.7 ± 6.7
15-yr postop.					
Flexion	124.2 ± 6.0	111.7 ± 17.1	99.5 ± 19.8	87.3 ± 23.1	104.7 ± 21.4
Abduction	33.1 ± 4.8	26.6 ± 5.6	23.9 ± 4.5	20.8 ± 4.5	25.3 ± 6.5
Final follow-up					
Flexion	125.0 ± 7.9	108.4 ± 18.7	94.3 ± 26.7	79.0 ± 26.1	100.0 ± 25.5
Abduction	23.1 ± 3.3	21.4 ± 7.0	21.5 ± 4.5	18.3 ± 4.8	21.0 ± 5.7
Harris hip score (<i>points</i>)					
Preop.	77.1 ± 7.3	72.9 ± 7.2	68.3 ± 6.1	62.5 ± 6.7	70.2 ± 8.2
15-yr postop.	97.0 ± 5.9	91.2 ± 14.8	89.5 ± 9.0	83.8 ± 11.1	90.3 ± 12.0
Final follow-up	96.4 ± 6.0	90.2 ± 14.9	87.1 ± 10.4	80.9 ± 12.7	87.6 ± 12.8
Harris hip score of <80 and conversion to THA at final follow-up (no.)	2	7	10	11	30
Conversion to THA at final follow-up (no.)	0	1	10	6	17
*Unless indicated otherwise, the values are given as the mean and standard deviation. OA = osteoarthritis, ITVO = simultaneous intertrochanteric valgus osteotomy, and THA = total hip arthroplasty.					