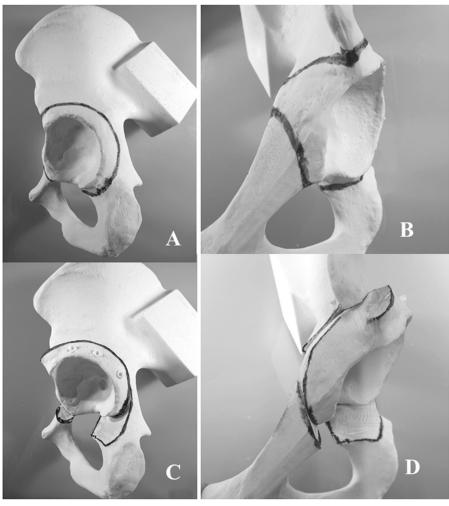
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Figs. E-1A through E-1D Views of an eccentric rotational acetabular osteotomy in a Sawbones model. Fig. E-1A Lateral view of the spherical osteotomy line in the innominate bone and the pubic osteotomy line 5 mm proximal from the iliopubic prominence. 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.

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	Stage-1 OA	Stage-2 OA	Stage-3 OA	ITVO	Total
Range of motion (deg)					
Preop.					
Flexion	$120.8\pm7.3$	$116.2 \pm 10.9$	$105.9 \pm 10.6$	$93.5 \pm 18.4$	$109.3 \pm 15.1$
Abduction	$32.3 \pm 3.2$	$28.7\pm6.1$	$25.4\pm5.5$	$21.5\pm6.8$	$26.7\pm6.7$
15-yr postop.					
Flexion	$124.2\pm6.0$	$111.7 \pm 17.1$	$99.5 \pm 19.8$	$87.3 \pm 23.1$	$104.7 \pm 21.4$
Abduction	$33.1 \pm 4.8$	$26.6 \pm 5.6$	$23.9 \pm 4.5$	$20.8 \pm 4.5$	$25.3 \pm 6.5$
Final follow-up					
Flexion	$125.0 \pm 7.9$	$108.4 \pm 18.7$	$94.3 \pm 26.7$	$79.0 \pm 26.1$	$100.0 \pm 25.5$
Abduction	$23.1 \pm 3.3$	$21.4 \pm 7.0$	$21.5 \pm 4.5$	$18.3 \pm 4.8$	$21.0 \pm 5.7$
Harris hip score (points)					
Preop.	$77.1 \pm 7.3$	$72.9 \pm 7.2$	$68.3 \pm 6.1$	$62.5 \pm 6.7$	$70.2 \pm 8.2$
15-yr postop.	$97.0 \pm 5.9$	$91.2 \pm 14.8$	$89.5 \pm 9.0$	$83.8 \pm 11.1$	$90.3 \pm 12.0$
Final follow-up	$96.4 \pm 6.0$	$90.2 \pm 14.9$	$87.1 \pm 10.4$	$80.9 \pm 12.7$	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

<sup>\*</sup>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.