

TABLE E-1 Dislocations After Revision Hip Arthroplasty Initially Managed Without Surgery but Subsequently Managed Surgically

Case	Time to Dislocation	Findings	Treatment	Outcome
1	3 months	unknown	revision acetabulum elsewhere	unknown
2	3 months	unknown	revision acetabulum elsewhere	unknown
3	> 5 years	loose femur	revision femur and acetabular liner elsewhere	continued instability, revised to constrained liner at Mayo, then died six months later
4	1 year	trochanteric nonunion	reefing of abductors	continued instability, eventual girdlestone for infection
5	< 1 week	impingement on elevated rim liner	change direction elevated rim liner	no subsequent dislocation for 58 months
6	1 month	trochanteric nonunion	trochanteric advancement	stable 9 years later
7	3 months	unknown	revision elsewhere	unknown
8	2 years	unknown	revision elsewhere	unknown
9	1 month	poor soft-tissue tension	increased neck length, elevated rim liner	no subsequent dislocation for 60 months
10	3 months	poor soft-tissue tension	increased neck length, elevated rim liner	no subsequent dislocation for 54 months
11	2 years	loose femur and acetabulum	revision femur and acetabulum, elevated rim liner	no subsequent dislocation for 26 months
12	3 years	excessive acetabular anteversion, poor soft-tissue tension	acetabular revision, no change femur/tension	continued instability
13	5 years	unknown	revision elsewhere	unknown
14	1 year	poor soft-tissue tension, acetabular and femoral loosening	revision femur and acetabulum, elevated rim liner	no dislocations at 1 year
15	1 month	ruptured abductors	repair abductors	continued instability and subsequent revision elsewhere
16	1 year	poor soft-tissue tension	tenodesis of abductors	recurrent instability then revision elsewhere, then infection, then resection here with subsequent reimplantation
17	1 month	scar	open reduction after second dislocation	subsequent instability
18	> 5 years	loose femur and acetabulum	revision of femur and acetabulum	recurrent instability so revised to bipolar 4 months later with no subsequent instability at 3 years
19	10.7 years	unknown	revision elsewhere	no subsequent instability at 11 months
20	1 month	trochanteric nonunion	trochanteric advancement	no subsequent instability at 10 years
21	1 week	unknown	revision acetabulum elsewhere	recurrent instability
22	< 3 months	impingement	removal of impinging bone	one subsequent dislocation in 11 years
23	1 month	infection	revision elsewhere	subsequent revision 10 years later to constrained liner elsewhere for instability
24	1 month	abductor detachment, impingement posteriorly	acetabular revision, abductor advancement, removal of impinging bone	recurrent subluxation but no dislocation at 11 years
25	5 years	poor soft-tissue tension	trochanteric advancement, elevated rim liner, increased neck length	trochanteric nonunion requiring repeat surgery then union and stability with 3 months follow-up
26	> 5 years	loose femur and acetabulum, trochanteric nonunion	revision femur and acetabulum, elevated rim liner	recurrent subluxation but no dislocation at 1 year
27	1 year	loose femur	revision femur	recurrent instability requiring acetabular revision to constrained liner, which subsequently failed
28	3 years	infection	girdlestone	chronic girdlestone
29	3 years	loosening of acetabulum and femur with subsidence	girdlestone	chronic girdlestone
30	1 month	unknown	hip disarticulation elsewhere	hip disarticulation
31	5 years	retroverted, vertical acetabulum, poor soft-tissue tension	revision acetabulum, abductor advancement	no subsequent instability at 15 months
32	9.3 years	unknown	revision elsewhere	unknown
33	1 month	trochanteric nonunion, impingement	removal of impinging bone, trochanteric advancement	no subsequent instability until 54 months when acetabular revision was required for loosening and instability
34	1 week	poor soft-tissue tension	advanced abductors, increased femoral head length	no subsequent instability at 34 months
35	3 months	unknown	revision liner only elsewhere	unknown
36	1 month	loosening and subsidence of femur	revision femur	recurrent subluxation but no dislocation at 34 months
37	1 year	poor soft-tissue tension, loose abductors	revision acetabulum, abductor advancement (done elsewhere)	recurrent instability
38	3 months	unknown	revision elsewhere	unknown

TABLE E-2 Dislocations After Revision Hip Arthroplasty Initially Managed Surgically

Case	Time to Dislocation	Findings	Treatment	Outcome
1	1 month	loose acetabulum	revision acetabulum	no follow-up
2	65 months	acetabular bone loss; acetabular component loosening	acetabular bone-grafting; bipolar	no further instability for 13 months after revision surgery
3	3 months	failed closed reduction; scar tissue in cup; impinging greater trochanter	open reduction with scar excision and excision of impinging bone	recurrent instability eventually required acetabular revision after which hip was stable 9 years
4	57 months	loose components, Infection	girdlestone with subsequent reimplantation	no instability at 5 years 2 months after reimplantation
5	29 months	failed closed reduction	open reduction elsewhere	no dislocations at 7.5 years after open reduction
6	1 month	infected prosthesis and proximal femur	girdlestone and proximal femur debridement	no subsequent reimplantation
7	114 months	loose components	revision both components elsewhere	no instability at 10 years
8	2 weeks	impingement of posterior acetabular osteophyte and trochanter	osteophyte removal, trim trochanter, elevated rim liner, spica	no instability at 5.5 years
9	3 months	chronic dislocation, loose abductors	revision components, improved soft-tissue tension	continued instability
10	day of surgery	increased femoral component anteversion	corrected femoral component anteversion	no further instability; revised at 9 years for loosening
11	17 months	gross infection	girdlestone	no reimplantation
12	12 months	gross infection	girdlestone	extensive reconstruction elsewhere with saddle prosthesis, unknown outcome