

TABLE E-1 Description of Failed Patellar Revisions

Case	Gender, Age	Diagnosis ¹	Polyethylene Type ²	Patellar Angle ³ /Tilt ⁴	Mechanism of Failure	Re-Operation(s) after Index Patellar Revision or Final Patient Status ⁵	Pre-Op/Final HSS Score ⁶
1	M, 74	OA	Black	0°/18°M	Polyethylene Wear	1. Lateral release 2. Two-stage revision for infection	92/45
2	M, 71	OA	White	8°M/4°M	Polyethylene Wear, Peg/Plate Failure	1. Femoral component revision and lateral release	98/95
3	M, 64	OA	White	8°M/5°M	Polyethylene Wear Peg/Plate Failure	1. Repeat patellar revision 2. Subsequent femoral and patellar revision	89/90
4*	M, 65	OA	White	12°M/6°M	Polyethylene Wear	1. Tibial tubercle transfer and lateral release	99/95
5*	M, 65	OA	Black	12°M/6°L	Polyethylene Wear	1. Patellar component removal 2. Subsequent revision TKA	95/95
6	M, 57	OA	White	11°M/0°	Peg/Plate Failure	1. Revision TKA	80/84
7	F, 55	OA	White	11°M/10°L	Polyethylene Wear Peg/Plate Failure	1. Lateral release 2. Subsequent repeat lateral release and medial imbrication	95/98
8	M, 65	OA	Black	11°M/6°M	Peg/Plate Failure Polyethylene Delamination	1. Patellar component removal	99/91
9	F, 73	OA	White	6°M/13°M	Polyethylene Wear	Patient declined further surgery	97/48
10	F, 53	OA	White	10°M/4°M	Polyethylene Wear Polyethylene Delamination	Patient asymptomatic	88/88
11	M, 77	OA	Black	12°M/5°M	Peg/Plate Failure	Patient asymptomatic	94/94
12	F, 66	OA	Black	0°/15°M	Polyethylene Delamination	Patient declined further surgery	48/56
13	F, 54	OA	White	7°M/11°M	Polyethylene Wear	Patient declined further surgery	56/75
14	F, 79	OA	White	0°/18°M	Polyethylene Wear	Patient declined further surgery	84/72
15	F, 32	RA	Black	0°/5°M	Peg/Plate Failure	Patient asymptomatic	72/70

*These two knees were in the same patient. ¹OA=Osteoarthritis; RA=Rheumatoid Arthritis. ²Black=Carbon-impregnated polyethylene tibial articular surface; White=Standard (non-carbon-reinforced) polyethylene tibial articular surface. ³Patellar Angle given as the number of degrees medial (M) or lateral (L). ⁴Patellar Tilt given as the number of degrees medial (M) or lateral (L). ⁵TKA=total knee arthroplasty. ⁶HSS=Hospital for Special Surgery.