

Wright eAppendix

TABLE E-1 Characteristics of the Included Studies

Year	First Author	Level of Evidence	Distinguishing Study Characteristics*	Total No. of Patients	No. Analyzed	% of Total	Patients with at Least Two Years of Follow-up									
							Mean Duration of Follow-up (mo)	Objective Failure (no.)	Mean Age (yr)	Sex† (no.)		Cause of Failure† (no.)			Revision Graft Material† (no.)	
									Male	Female	Technical	Traumatic Reinjury	Biological	Autograft	Allograft	
1996	Johnson ¹	IV	Fresh-frozen irradiated (2.5 Mrad) BTB or Achilles tendon	25	25	100	28	9	25	22	3	13	7	5		25
1996	Wirth ⁴	IV	All BTB or quadriceps tendon	87	87	100	96		26	59	28				87	
2001	Colosimo ¹³	IV	Reharvested ipsilateral BTB	15	13	87	39.4		27.2	10	3	11	2	0	13	
2001	Noyes ²¹	I	Prospective, BTB autograft	57	55	96	33	13	27	36	19		44		39	
2001	Woods ²⁸	IV	Lateral 1/3 BTB after central 1/3 failure	13	10	77	44.5		30.8	5	5		6	4	10	
2002	O'Shea ²⁴	IV	Reharvested ipsilateral BTB	11	11	100	51.5		24.1	7	4		10		11	
2004	Carson ¹²	IV	Multi-surgeon, variety of grafts	52	43	83		4	27	49	41					
2004	Fox ¹⁷	IV	Nonirradiated BTB allograft	38	32	84	58	9	28	14	18					32
2004	O'Neill ²³	I	Previously unharvested autograft	50	48	96	90	3	33	28	20	20	38		48	
2005	Grossman ¹⁹	IV	1 institution, multi-surgeon	35	29	83	67	1	30.2	22	7	10	14	5	28	1
2005	Thomas ²⁶	III	2-stage with new femoral tunnel and tibial tunnel bone graft	49	49	100	75	3	35.4	37	12				49	
2006	Ferretti ¹⁶	IV	Hamstring autograft and lateral extra-articular procedure	30	29	97	60	3	34	22	8	14	14		29	
2006	Garofalo ¹⁸	IV	Quadriceps tendon autograft	31	28	90	50		27	16	12	22	28		28	
2006	Lidén ²⁰	IV	Reharvested central 1/3 BTB	14	14	100	115	1	28	9	5	12	2		14	
2006	Noyes ²²	IV	Quadriceps tendon autograft	22	21	95	49	4	33	15	6	13	9		21	
2006	Salmon ²⁵	IV	Hamstring tendon autograft	57	50	88	89	5	27	36	9	11	29	5	44	1
2007	Battaglia ¹¹	IV	Multi-surgeon, variety of grafts	95	63	66	72.7	21	31	36	27				43	20
2007	Weiler ²⁷	II	Hamstring autograft	62	50	81	30	4	31	31	19				50	
2007	Wright ⁸	I	Prospective, multi-surgeon, multicenter	47	39	83		2	28.9	29	10					
2008	Denti ¹⁴	IV	None	66	60	91	41.9	5	31.2	58	8	34	23	2	64	2
2008	Diamantopoulos ¹⁵	IV	All autografts	148	107	72	72.9	7	38.8	64	43	74	26	4	107	

*BTB = bone-patellar tendon-bone. †In some of the studies, the total for this category does not equal the number analyzed because a separate breakdown was not given for the subgroup with more than two years of follow-up