

<b>TABLE E-1 Study Selection Criteria</b>	
Inclusion Criteria	Exclusion Criteria
English language	Non-English language
Human study	Laboratory or animal study
Contains outcome data by sex on:	No outcome reporting by sex
Graft or contralateral ACL failure risk, or	Pediatric patient populations
Instrumented laxity measurements, or	Follow-up of less than two years
Lachman or pivot-shift data, or	Focused on revision surgery
Validated patient-reported outcomes	

TABLE E-2 Patient Demographics*				
Study	Design	Male (no.)	Female (no.)	Age at Surgery (yr)
Barber-Westin <sup>21</sup> , 1997	Retrospective comparative (prospective data collection)	47	47	29
Noojin <sup>14</sup> , 2000	Retrospective comparative (prospective data collection)	26	39	M, 29; F, 23.2
Ferrari <sup>23</sup> , 2001	Retrospective comparative	137	63	M, 30.2; F, 27.3
Gobbi <sup>24</sup> , 2003	Retrospective comparative (prospective data collection)	48	32	28.5
Ott <sup>26</sup> , 2003	Retrospective comparative	74	77	M, 27.7; F, 22.5
Salmon <sup>27</sup> , 2006	Retrospective comparative (prospective data collection)	73	70	NR
Wright <sup>30</sup> , 2007	Retrospective comparative (prospective data collection)	125	110	23
Shelbourne <sup>28</sup> , 2009	Retrospective comparative (prospective data collection)	863	552	21.6
Ageberg <sup>15</sup> , 2010	Retrospective comparative (prospective data collection)	2292	1706	M, 27; F, 25
Dunn <sup>22</sup> , 2010	Retrospective comparative (prospective data collection)	222	171	23
Månsson <sup>25</sup> , 2011	Retrospective comparative	258	161	27.6
Tohyama <sup>29</sup> , 2011	Retrospective comparative (prospective data collection)	73	49	M, 25.7; F, 27.8
Ahldén <sup>20</sup> , 2012	Retrospective comparative	141	103	29

\*BTB = bone-patellar tendon-bone, and NR = not reported.

TABLE E-2 (continued)			
Follow-up Duration (yr)	Follow-up (%)	Surgical Technique/Fixation	Graft Type
M, 2.2; F, 2.1	100	82% endoscopic and 18% 2-incision/interference screws	BTB autograft
M, 3.2; F, 3.3	50	Transtibial drilling/ENDOBUTTON	Hamstring autograft
M, 4.9; F, 4.2	72.7	Transtibial drilling/interference screws	BTB autograft
3	100	50% 2-incision/interference screws. 50% transtibial/ENDOBUTTON and interference screw	50% BTB autograft, 50% hamstring autograft
M, 4.8; F, 5.1	34.6	Transtibial drilling/interference screws or post	BTB autograft
7	71.5	Medial portal drilling/interference screws	Hamstring autograft
2	86	Variable	Variable
Min. 5	78	Mini-arthrotomy/interference screws	Contralateral BTB autograft
2	23.5	Variable	8% BTB,90% hamstring
2	88	Variable	Variable
2-7	69	Transtibial drilling/interference screws	80.9% BTB,19.1% hamstring
2	70.1	Anatomic double bundle	Hamstring double bundle
2.1	65	Medial portal drilling	Hamstring autograft

**TABLE E-3 Side-to-Side Laxity Differences\***

Study	Instrument Used	Graft Type	Side-to-Side Difference† (mm)		P Value
			Male	Female	
Salmon <sup>27</sup>	KT1000	Hamstring autograft	1.3	1.9	0.02
Ferrari <sup>23</sup>	KT1000	BTB autograft	0.8 ± 2.8	1.7 ± 2.2	0.014
Noojin <sup>14</sup>	KT1000	Hamstring autograft	1.2	1.9	NS
Gobbi <sup>24</sup>	OSI CA4000	BTB autograft	1.3	1.3	NS
		Hamstring autograft	1.7	2.3	NR
Barber-Westin <sup>21</sup>	KT2000	BTB autograft	0.4	0.7	NS
Ahldén <sup>20</sup>	KT1000	Hamstring autograft	2.2	2.9	0.07
Tohyama <sup>29</sup>	KT2000	Hamstring autograft double bundle	1.4 ± 1.7	1.3 ± 1.7	0.73

\*BTB = bone-patellar tendon-bone, NS = not significant, and NR = not reported. †The values are given as the mean or as the mean and the standard deviation.

**TABLE E-4 Postoperative Patient-Reported Outcome and Activity Scores\***

Study	Patient-Reported Outcome Score				Activity Score			
	Scale	Male	Female	P Value	Scale	Male	Female	P Value
Barber-Westin <sup>21</sup>	Cincinnati	89	84	NS				
Noojin <sup>14</sup>	Lysholm	90.9	89.7	NS	Tegner	5.3	5.2	NS
Ferrari <sup>23</sup>	HSS	88.6	88.9	0.81	Tegner	6.5	6.1	0.10
	Lysholm	88.0	88.5	0.58				
Ott <sup>26</sup>	Cincinnati	86.0	80.3	0.59	Tegner	5.4	5.0	0.08
Salmon <sup>27</sup>	Lysholm	95	95	NS				
Ageberg <sup>15</sup>	KOOS pain	86.2	85.0	0.07				
	KOOS symptoms	79.8	78.7	0.13				
	KOOS ADL	91.8	91.9	0.85				
	KOOS sport/rec.	68.1	63.7	0.001				
	KOOS knee QoL	63.4	61.0	0.03				
Dunn <sup>22</sup>	Subjective IKDC	79	80	0.93	Marx	8.7	8.2	0.43
	KOOS pain	87	90	0.06				
	KOOS symptoms	81	81	0.90				
	KOOS ADL	92.6	94	0.94				
	KOOS sport/rec.	77	80	0.28				
	KOOS knee QoL	70	73	0.23				
Tohyama <sup>29</sup>	Lysholm	97.2	96.7	0.50	Tegner	6.3	6.1	0.71
Ahldén <sup>20</sup>	Lysholm	85	82	0.19	Tegner	6	5	0.07

\*NS = not significant, ADL = activities of daily living, and QoL = quality of life.