

## 6 Literatur

1. Aglietti P, Buzzi R, D'Andria S, Zaccherotti G (1993) Patellofemoral problems after intraarticular anterior cruciate ligament reconstruction. Clin Orthop 195-204
2. Aglietti P, Buzzi R, Zaccherotti G, De Biase P (1994) Patellar tendon versus doubled semitendinosus and gracilis tendons for anterior cruciate ligament reconstruction. Am J Sports Med 22:211-217
3. Akeson WH, Amiel D, Abel MF, Garfin SR, Woo SL (1987) Effects of immobilization on joints. Clin Orthop 28-37
4. Anderson AF, Snyder RB, Lipscomb AB, Jr. (2001) Anterior cruciate ligament reconstruction. A prospective randomized study of three surgical methods. Am J Sports Med 29:272-279
5. Anderson JL, Lamb SE, Barker KL, Davies S, Dodd CA, Beard DJ (2002) Changes in muscle torque following anterior cruciate ligament reconstruction: a comparison between hamstrings and patella tendon graft procedures on 45 patients. Acta Orthop Scand 73:546-552
6. Aune AK, Holm I, Risberg MA, Jensen HK, Steen H (2001) Four-strand hamstring tendon autograft compared with patellar tendon-bone autograft for anterior cruciate ligament reconstruction. A randomized study with two-year follow-up. Am J Sports Med 29:722-728
7. Bach BR, Jr., Levy ME, Bojchuk J, Tradonsky S, Bush-Joseph CA, Khan NH (1998) Single-incision endoscopic anterior cruciate ligament reconstruction using patellar tendon autograft. Minimum two-year follow-up evaluation. Am J Sports Med 26:30-40
8. Bach BR, Tradonski S, Bojchuk J, Levy ME, Bush-Joseph CA, Khan NH (1998) Arthroscopically assisted anterior cruciate ligament reconstruction using patellar tendon autograft. Five- to nine-year follow-up evaluation. pp 20-29
9. Beard DJ, Anderson JL, Davies S, Price AJ, Dodd CA (2001) Hamstrings vs. patella tendon for anterior cruciate ligament reconstruction: a randomised controlled trial. Knee 8:45-50
10. Beynnon BD, Johnson RJ, Fleming BC, Kannus P, Kaplan M, Samani J, Renstrom P (2002) Anterior cruciate ligament replacement: comparison of bone-patellar tendon-bone grafts with two-strand hamstring grafts. A prospective, randomized study. J Bone Joint Surg Am 84-A:1503-1513
11. Bonamo JJ, Krinick RM, Sporn AA (1984) Rupture of the patellar ligament after use of its central third for anterior cruciate reconstruction. A report of two cases. J Bone Joint Surg Am 66:1294-7
12. Brand J, Weiler A, Caborn D, Johnson D, Brown C (2000) Graft fixation in cruciate ligament surgery: Current concepts. Am J Sports Med 28:761-774
13. Brown CH, Jr., Carson EW (1999) Revision anterior cruciate ligament surgery. Clin Sports Med 18:109-171
14. Brown CH, Jr., Steiner ME, Carson EW (1993) The use of hamstring tendons for anterior

cruciate ligament reconstruction. Technique and results. Clin Sports Med 12:723-756

15. Brown C, Hecker A, Hipp J, Myers E, Hayes W (1993) The biomechanics of interference screw fixation of patellar tendon anterior cruciate ligament grafts. Am J Sports Med 21:880-886
16. Buelow JU, Siebold R, Ellermann A (2002) A prospective evaluation of tunnel enlargement in anterior cruciate ligament reconstruction with hamstrings: extracortical versus anatomical fixation. Knee Surg Sports Traumatol Arthrosc 10:80-85
17. Charlton WP, Randolph DA, Jr., Lemos S, Shields CL, Jr. (2003) Clinical outcome of anterior cruciate ligament reconstruction with quadrupled hamstring tendon graft and bioabsorbable interference screw fixation. Am J Sports Med 31:518-521
18. Cho KO (1975) Reconstruction of the anterior cruciate ligament by semitendinosus tenodesis. J Bone Joint Surg Am 57:608
19. Cooper DE, Deng XH, Burstein AL, Warren RF (1993) The strength of the central third patellar tendon graft. A biomechanical study. Am J Sports Med 21:818-823
20. Corry IS, Webb JM, Clingeleffer AJ, Pinczewski LA (1999) Arthroscopic reconstruction of the anterior cruciate ligament. A comparison of patellar tendon autograft and four-strand hamstring tendon autograft. Am J Sports Med 27:444-454
21. Delee JC, Craviotto DF (1991) Rupture of the quadriceps tendon after a central third patellar tendon anterior cruciate ligament reconstruction. Am J Sports Med 19:415-416
22. Ejerhed L, Kartus J, Sernert N, Kohler K, Karlsson J (2003) Patellar tendon or semitendinosus tendon autografts for anterior cruciate ligament reconstruction? A prospective randomized study with a two-year follow-up. Am J Sports Med 31:19-25
23. Eriksson K, Anderberg P, Hamberg P, Lofgren AC, Bredenberg M, Westman I, Wredmark T (2001) A comparison of quadruple semitendinosus and patellar tendon grafts in reconstruction of the anterior cruciate ligament. J Bone Joint Surg Br 83:348-354
24. Eriksson K, Anderberg P, Hamberg P, Olerud P, Wredmark T (2001) There are differences in early morbidity after ACL reconstruction when comparing patellar tendon and semitendinosus tendon graft. A prospective randomized study of 107 patients. Scand J Med Sci Sports 11:170-177
25. Feagin JA, Jr., Wills RP, Lambert KL, Mott HW, Cunningham RR (1997) Anterior cruciate ligament reconstruction. Bone-patella tendon-bone versus semitendinosus anatomic reconstruction. Clin Orthop 69-72
26. Feller JA, Webster KE (2003) A randomized comparison of patellar tendon and hamstring tendon anterior cruciate ligament reconstruction. Am J Sports Med 31:564-573
27. Feller JA, Webster KE, Gavin B (2001) Early post-operative morbidity following anterior cruciate ligament reconstruction: patellar tendon versus hamstring graft. Knee Surg Sports Traumatol Arthrosc 9:260-266
28. Freedman KB, D'Amato MJ, Nedeff DD, Kaz A, Bach BR, Jr. (2003) Arthroscopic anterior cruciate ligament reconstruction: a metaanalysis comparing patellar tendon and hamstring tendon autografts. Am J Sports Med 31:2-11

29. Fu F (1999) Anterior cruciate ligament injury: Pathophysiology and current therapeutic principles. p Instructional course
30. Garth WP, Jr. (1992) Current concepts regarding the anterior cruciate ligament. *Orthop Rev* 21:565-575
31. Gobbi A, Mahajan S, Tuy B, Panuncialman I (2002) Hamstring graft tibial fixation: biomechanical properties of different linkage systems. *Knee Surg Sports Traumatol Arthrosc* 10:330-334
32. Gobbi A, Mahajan S, Zanazzo M, Tuy B (2003) Patellar tendon versus quadrupled bone-semitendinosus anterior cruciate ligament reconstruction: A prospective clinical investigation in athletes. *Arthroscopy* 19:592-601
33. Harilainen A, Sandelin J (2001) Revision anterior cruciate ligament surgery. A review of the literature and results of our own revisions. *Scand J Med Sci Sports* 11:163-169
34. Harner CD, Waltrip RL, Bennett CH, Francis KA, Cole B, Irrgang JJ (2004) Surgical management of knee dislocations. *J Bone Joint Surg Am* 86-A:262-273
35. Hiemstra LA, Webber S, MacDonald PB, Kriellaars DJ (2000) Knee strength deficits after hamstring tendon and patellar tendon anterior cruciate ligament reconstruction. *Med Sci Sports Exerc* 32:1472-1479
36. Höher J, Möller H, Fu F (1998) Bone tunnel enlargement after anterior cruciate ligament reconstruction: Fact or fiction. *Knee Surg Sports Traumatol Arthrosc* 6:231-240
37. Hoher J, Harner CD, Vogrin TM, Baek GH, Carlin GJ, Woo SL (1998) In situ forces in the posterolateral structures of the knee under posterior tibial loading in the intact and posterior cruciate ligament-deficient knee. *J Orthop Res* 16:675-681
38. Hoher J, Livesay GA, Ma CB, Withrow JD, Fu FH, Woo SL (1999) Hamstring graft motion in the femoral bone tunnel when using titanium button/polyester tape fixation. *Knee Surg Sports Traumatol Arthrosc* 7:215-219
39. Holmes PF, James SL, Larson RL, Singer KM, Jones DC (1991) Retrospective direct comparison of three intraarticular anterior cruciate ligament reconstructions. *Am J Sports Med* 19:596-599
40. Ishibashi Y, Rudy TW, Livesay GA, Stone JD, Fu FH, Woo SL (1997) The effect of anterior cruciate ligament graft fixation site at the tibia on knee stability: evaluation using a robotic testing system. *Arthroscopy* 13:177-82
41. Jackson D, Frank C (1997) The science of reconstruction the anterior cruciate ligament. *J Bone Joint Surg (A)* 79:1556
42. Jansson KA, Linko E, Sandelin J, Harilainen A (2003) A prospective randomized study of patellar versus hamstring tendon autografts for anterior cruciate ligament reconstruction. *Am J Sports Med* 31:12-18
43. Johnson RJ (1992) Epidemiology of knee ligament injuries in skiing. In: Fu F, Woo SL (eds) *Current concepts of knee ligament injuries*. 5th Annual Panther Sports medicine symposium. Pittsburgh,

44. Johnson R, Eriksson E, Haggmark T, Pope M (1984) Five-to ten-year follow-up evaluation after reconstruction of the anterior cruciate ligament. *Clin Orthop* 183:122
45. Kartus J, Stener S, Lindahl S, Eriksson BI, Karlsson J (1998) Ipsi- or contralateral patellar tendon graft in anterior cruciate ligament revision surgery. A comparison of two methods. *Am J Sports Med* 26:499-504
46. Katai M, Djian P, Christel P (2002) [Anterior cruciate ligament reconstruction: patellar tendon autograft versus four-strand hamstring tendon autografts. A comparative study at one year follow-up]. *Rev Chir Orthop Reparatrice Appar Mot* 88:139-148
47. Knese K, Biermann H (1958) Die Knochenbildung an Sehnen- und Bandansätzen im Bereich ursprünglich chondraler Apophysen. *Z Zellforsch* 49:142-187
48. Kohn D, Sander-Beuermann A (1994) Donor-site morbidity after harvest of a bone-tendon-bone patellar tendon autograft. *Knee Surg Sports Traumatol Arthrosc* 2:219-223
49. Kurosaka M, Yoshiya S, Andrich J (1987) A biomechanical comparison of different surgical techniques of graft fixation in anterior cruciate ligament reconstruction. *Am J Sports Med* 15:225
50. Macey HB (1939) A new operative procedure for repair of ruptured cruciate ligaments of the knee joint. *Surg Gynecol Obstet* 79:108
51. Maeda A, Shino K, Horibe S, Nakata K, Buccafusca G (1996) Anterior cruciate ligament reconstruction with multistranded autogenous semitendinosus tendon. *Am J Sports Med* 24:504-9
52. Magen H, Howell S, Hull M (1999) Structural properties of six tibial fixation methods for anterior cruciate ligament soft tissue grafts. *Am J Sports Med* 27:35-43
53. Marder RA, Raskind JR, Carroll M (1991) Prospective evaluation of arthroscopically assisted anterior cruciate ligament reconstruction. Patellar tendon versus semitendinosus and gracilis tendons. *Am J Sports Med* 19:478-484
54. Markolf KL, Burchfield DM, Shapiro MM, Cha CW, Finerman GA, Slauterbeck JL (1996) Biomechanical consequences of replacement of the anterior cruciate ligament with a patellar ligament allograft. Part II: forces in the graft compared with forces in the intact ligament. *J Bone Joint Surg Am* 78:1728-34
55. Marumoto JM, Mitsunaga MM, Richardson AB, Medoff RJ, Mayfield GW (1996) Late patellar tendon ruptures after removal of the central third for anterior cruciate ligament reconstruction. A report of two cases. *Am J Sports Med* 24:698-701
56. McDaniel WJ, Jr., Dameron TB, Jr. (1980) Untreated ruptures of the anterior cruciate ligament. A follow-up study. *J Bone Joint Surg Am* 62:696-705
57. McGuire DA, Barber FA, Elrod BF, Paulos LE (1999) Bioabsorbable interference screws for graft fixation in anterior cruciate ligament reconstruction. *Arthroscopy* 15:463-473
58. Morgan C, Kalmam V, Gravell D (1995) Isometry testing for anterior cruciate ligament reconstruction revisited. *Arthroscopy* 11:647-659

59. Muneta T, Ezura Y, Sekiya I, Yamamoto H (1996) Anterior Knee Laxity and Loss of Extension After Anterior Cruciate Ligament Injury. *Am J Sports Med* 24:603-607
60. Natsu-Ume T, Shino K, Nakata K, Nakamura N, Toritsuka Y, Mae T (2001) Endoscopic reconstruction of the anterior cruciate ligament with quadrupled hamstring tendons: A correlation between MRI changes and restored stability of the knee. *J Bone Joint Surg* 83B:837-840
61. Noyes FR, Barber-Westin SD (2001) Revision anterior cruciate surgery with use of bone-patellar tendon-bone autogenous grafts. *J Bone Joint Surg Am* 83-A:1131-1143
62. Noyes FR, Butler DL, Grood ES, Zernicke RF, Hefzy MS (1984) Biomechanical analysis of human ligament grafts used in knee-ligament repairs and reconstructions. *J Bone Joint Surg Am* 66:344-352
63. Noyes FR, Keller CS, Grood ES, Butler DL (1984) Advances in the understanding of knee ligament injury, repair, and rehabilitation. *Med Sci Sports Exerc* 16:427-443
64. Otero AL, Hutcheson L (1993) A comparison of the doubled semitendinosus/gracilis and central third of the patellar tendon autografts in arthroscopic anterior cruciate ligament reconstruction. *Arthroscopy* 9:143-148
65. Ouweleen KM, McElroy JJ (1995) A unique complication following arthroscopic anterior cruciate ligament reconstruction. *Arthroscopy* 11:225-228
66. O'Neill D (2001) Arthroscopically assisted reconstruction of the anterior cruciate ligament: A follow-up report. *J Bone Joint Surg* 83A:1329-1332
67. Palmer I (1938) On the injuries of the ligaments of the knee joint. *Acta Chir Scand* 2-282
68. Richter M, Bosch U, Wippermann B, Hofmann A, Krettek C (2002) Comparison of surgical repair or reconstruction of the cruciate ligaments versus nonsurgical treatment in patients with traumatic knee dislocations. *Am J Sports Med* 30:718-727
69. Rosenberg TD, Deffner KT (1997) ACL reconstruction: semitendinosus tendon is the graft of choice. *Orthopedics* 20:396, 398
70. Rupp S, Hopf T, Hess T, Seil R, Kohn D (1999) Resulting tensile forces in the human bone-patellar tendon-bone graft: Direct force measurements in vitro. *Arthroscopy* 15:179-184
71. Sandberg R, Balkfors B, Nilsson B, Westlin N (1987) Operative versus non-operative treatment of recent injuries of the ligaments of the knee. A prospective randomized study. *J Bone Joint Surg* 69-A:1120-1126
72. Scheffler SU, Sudkamp NP, Gockenjan A, Hoffmann RF, Weiler A (2002) Biomechanical comparison of hamstring and patellar tendon graft anterior cruciate ligament reconstruction techniques: The impact of fixation level and fixation method under cyclic loading. *Arthroscopy* 18:304-315
73. Schulz MS, Russe K, Weiler A, Eichhorn HJ, Strobel MJ (2003) Epidemiology of posterior cruciate ligament injuries. *Arch Orthop Trauma Surg* 123:186-191

74. Shelbourne KD, Mollabashy A, De Carlo M (1990) Acute anterior cruciate ligament injury. Indiana Med 83:896-900
75. Shelbourne KD, Wilckens JH (1990) Current concepts in anterior cruciate ligament rehabilitation. Orthop Rev 19:957-964
76. Shelbourne K, Gray T (1997) Anterior cruciate ligament reconstruction with autogenous patellar tendon graft followed by accelerated rehabilitation. Am J Sports Med 25:786-795
77. Stange R, Russel V, Salmon L, Pinczewski L (2001) Tibial tunnel widening after ACL reconstruction: A 2 and 5 year comparison of patellar tendon autograft and 4-strand hamstring tendon autograft. Arthroscopy Assoc N Am 20th Annual Meeting:67
78. Steiner ME, Brown C, Zarins B, Brownstein B, Koval PS, Stone P (1990) Measurement of anterior-posterior displacement of the knee. A comparison of the results with instrumented devices and with clinical examination. J Bone Joint Surg Am 72:1307-15
79. Strobel M (1998) Vorderes Kreuzband. In: Strobel M (ed) Arthroskopische Chirurgie. Springer, Berlin, Heidelberg, pp 361-463
80. Strobel M, Schulz M, Weiler A (2004) Biologische und biomechanische Aspekte bei der vorderen Kreuzbandrekonstruktion. In: Meffert RH, Langer M (eds) pp 13-66
81. Strobel M (2001) Manual of arthroscopic surgery. Springer-Verlag, Berlin Heidelberg New York,
82. Strobel M, Weiler A (2001) Management of the posterior cruciate ligament-deficient knee. Tech Orthop 16:167-194
83. Südkamp NP, Stähelin A, Wagner M, Weiler A (2000) A new technique for anterior cruciate ligament reconstruction using hamstring tendons and biodegradable interference screws. Arthroskopie 13:280-286
84. Toritsuka Y, Shino K, Horibe S, Mitsuoka T, Hamada M, Nakata K, Nakamura N, Yoshikawa H (2004) Second-look arthroscopy of anterior cruciate ligament grafts with multistranded hamstring tendons. Arthroscopy 20:287-293
85. Tsuda E, Fukuda Y, Loh JC, Debski RE, Fu FH, Woo SL (2002) The effect of soft tissue graft fixation in anterior cruciate ligament reconstruction on graft-tunnel motion under anterior tibial loading. pp 960-967
86. Wagner M, Strobel M, Weiler A (2005) Single staged ACL revision reconstruction using autologous hamstring tendons. Tech Orthop 20:313
87. Wagner M, Kaab MJ, Schallock J, Haas NP, Weiler A (2005) Hamstring tendon versus patellar tendon anterior cruciate ligament reconstruction using biodegradable interference fit fixation: a prospective matched-group analysis. Am J Sports Med 33:1327-1336
88. Webster KE, Feller JA, Hameister KA (2001) Bone tunnel enlargement following anterior cruciate ligament reconstruction: a randomised comparison of hamstring and patellar tendon grafts with 2-year follow-up. Knee Surg Sports Traumatol Arthrosc 9:86-91
89. Weiler A Comparison of tendon-to-bone healing using extracortical and anatomic

interference fit fixation of soft tissue grafts in a sheep model of ACL reconstruction. In: Unterhauser F, Faensen B, Hunt P, Bail H, Haas NP (eds) p 173

90. Weiler A, Hoffmann R, Bail H, Rehm O, Südkamp NP (2001) The 1999 Richard O'Connor Award. Tendon healing in a bone tunnel - Part II: Histological analysis after biodegradable interference fit fixation in a model of ACL reconstruction in sheep. Arthroscopy in press:
91. Weiler A, Hoffmann R, Siepe C, Kolbeck S, Südkamp NP (2000) The influence of screw geometry on hamstring tendon interference fit fixation. Am J Sports Med 35:6-359
92. Weiler A, Unterhauser FN, Faensen B, Hunt P, Bail H, Haas NP (2002) Comparison of tendon-to-bone healing using extracortical and anatomic interference fit fixation of soft tissue grafts in a sheep model of ACL reconstruction. 48th Annual Meeting, Orthopedic Research Society, Dallas, 2002,
93. Weiler A, Jung TM, Lubowicki A, Wagner M, Schottle PB (2007) Management of posterior cruciate ligament reconstruction after previous isolated anterior cruciate ligament reconstruction. Arthroscopy 23:164-169
94. Weiler A, Scheffler SU, Sudkamp NP (2000) Aktuelle Aspekte in der Verankerung von Hamstringsehnen-Transplantaten in der Kreuzbandchirurgie. Chirurg 71:1034-44
95. Witvrouw E, Bellemans J, Verdonk R, Cambier D, Coorevits P, Almqvist F (2001) Patellar tendon vs. doubled semitendinosus and gracilis tendon for anterior cruciate ligament reconstruction. Int Orthop 25:308-311
96. Yasuda K, Tsujino J, Ohkoshi Y, Tanabe Y, Kaneda K (1995) Graft site morbidity with autogenous semitendinosus and gracilis tendons. Am J Sports Med 23:706-714