

7 Literaturverzeichnis:

1. Albrecht F, Roessner A, Zimmermann E: Closure of osteochondral lesions using chondral fragments and fibrin adhesive. *Arch Orthop Traumat Surg* 101 (1983) 213-217
2. Altonen RD, Ylipaavalniemi P, Ranta R: Bone formation with free periosteum around the root of the rabbit tooth. *Proceedings of the Finnish Dental Society* 73 (1977) 32
3. Amiel D, Coutts RD, Abel M, Stewart W, Harwood F, Akeson WH: Rib perichondral grafts for the repair of full-thickness articular cartilage defects. *J Bone Joint Surg* 67 (1985) 911-920
4. Bruns J, Steinhagen J: Transplantation of chondrogenic tissue in the treatment of lesions of the articular cartilage. *Orthopäde* 28 (1999) 52-60
5. Cai S, Hu R, Wang H: Repair of cartilage defect in joint with transplantation of cryopreserved homologous embryonic periosteum of rabbits. *Chung Kuo Hsiu Fu Chung Chien Wai Ko Tsa Chih* 12 (1998) 117-121
6. Carranza-Bencano A, Perez-Tinao M, Ballesteros-Vazquez P, Armas-Padron JR, Hevia-Alonso A, Martos-Crespo F: Comparative study of the reconstruction of articular cartilage defects with free costal perichondrial grafts and free tibial periosteal grafts: An experimental study on rabbits. *Calcif Tissue Int* 65 (1999) 402-407
7. Cheung HS, Lynch KL, Johanson RP, Brewer BJ: Transitions in collagen types during articular cartilage repair. *Arthritis Rheum* 23 (1980) 662
8. Cohen J, Lacroix P: Bone and cartilage formation by periosteum. *J Bone Jt Surg* 37 (1955) 717

9. Crock JG, Morrison WA: A vascularised periosteal flap: anatomical study. *Br J Plast Surg* 45 (1992) 474-478
10. Curtin WA, Reville WJ, Brady MP: Quantitative and morphological observations on the ultrastructure of articular tissue generated from free periosteal grafts. *J Electron Microsc Tokyo* 41 (1992) 82-90
11. Delaney JP, O'Driscoll SW, Salter RB: Neochondrogenesis in free intraarticular periosteal autografts in an immobilized and paralysed limb. An experimental investigation in the rabbit. *Clin Orthop* 248 (1989) 278-282
12. Dietzel R: Gelenkknorpelersatz durch autogene Periostlappentransplantate am adulten Kaninchen. Dissertation, Friedrich-Schiller-Universität Jena (1996)
13. Dustmann HO, Puhl W: Altersabhängige Heilungsmöglichkeiten von Knorpelwunden (Tierexperimentelle Untersuchungen). *Z Orthop* 114 (1976) 749-764
14. Engkvist O: Reconstruction of patellar articular cartilage with free autogenous perichondrial grafts. An experimental study in dogs. *Scand J Plast Reconstr Surg* 13 (1979) 361-369
15. Engkvist O, Ohlsen L: Reconstruction of articular cartilage with free autogenous perichondrial grafts. An experimental investigation in the rabbit. *Scand J Plast Reconstr Surg* 13 (1979) 269-274
16. Fang HC, Miltner LJ: Comparison of osteogenic power of periosteal transplants from rib and tibia. *Proc Soc Exp Biol Med* 31 (1933) 386-388
17. Finley JM, Acland RD, Wood MB: Revaskularized periosteal grafts - a new method to produce functional new bone without bone grafting. *Plast Reconstr Surg* 61 (1978) 1-6

18. Furukawa T, Eyre DR, Koide S, Glimcher MJ: Biochemical studies on repair cartilage resurfacing. Experimental defects in the rabbit knee. *J Bone Joint Surg* 62 (1980) 79-89
19. Häbler C: Experimentelle Untersuchungen über die Regeneration des Gelenkknorpels. *Bruns Beitr Klin Chir Berlin* 134 (1925) 602-640
20. Harase Y, Valauri FA, Buncke HJ: Neovascularized free cutaneous cartilage flap transfer with microsurgical anastomosis: An experimental model in the rabbit. *Ann Plast Surg* 21 (1988) 342-347
21. Hartig GK, Esclamado RM, Telian SA: Comparison of the chondrogenic potential of free and vascularized perichondrium in the airway. *Ann Otol Rhinol Laryngol* 103 (1994) 9-15
22. Hoikka V, Jaroma H, Ritsilä V: Reconstruction of patellar cartilage defects with free periosteal grafts: a 4-year follow-up of 13 cases. *Acta Orthop Scand* 61 (1990) 36
23. Hsu M, Umeda H, Nishijima K: An experimental study of the osteogenicity of free periosteal allografts with cyclosporine A administration. *Int J Oral Maxillofac Surg* 21 (1992) 178-182
24. Kikuchi T, Sakuta T, Yamaguchi T: Intra-articular injection of collagenase induces experimental osteoarthritis in mature rabbits. *Osteoarthritis Cartilage* 6 (1998) 177-186
25. Kon M: Cartilage formation from perichondrium in a weight-bearing joint. An experimental study. *Eur Surg Res* 13 (1981) 387-396
26. Korkala O, Hukkanen H: Autogenous osteoperiosteal grafts in reconstruction of full-thickness joint surface defects. *Int Orthop* 15 (1991) 233

27. Kreder HJ, Moran M, Keeley FW, Salter RB: Biologic resurfacing of a major joint defect with cytopreserved periosteum under the influence of continuous passive motion in a rabbit model. *Clin Orthop* 300 (1994) 288-296
28. Kunz JG, Wellnitz U, Paul R, Süffert R: Über die proliferative Aktivität der Chondrozyten bei der reparativen Regeneration von Gelenkknorpelwunden. *Wiss Z d Humboldt Universität zu Berlin, Math nat R XXVIII* 1 (1979) 49-52
29. Liu JY, Wang D, Cheng HH: Experimental study of the osteogenic capacity of periosteal allografts: a preliminary report. *Microsurgery* 15 (1994) 87-92
30. Mankin HJ, Trasher AZ: Water content and binding in normal and osteoarthritic human cartilage. *Am J Bone Joint Surg* 57 (1975) 76-79
31. Mark von der K, Glückert K: Biochemische und molekularbiologische Aspekte zur Früherfassung humaner Arthrosen. *Orthopäde* 19 (1990) 2-15
32. Maroudas A, Bannan C: Chemical composition and swelling of normal and osteoarthrotic femoral head cartilage. *Ann Rheum Dis* 36 (1977) 399-406
33. Maroudas A, Ziv I, Weisman N, Venn M: Studies of hydration and swelling pressure in normal and osteoarthritic cartilage. *Biorheology* 22 (1985) 159-169
34. Menck J, Bertram C, Lierse W: Sectorial angioarchitecture of the human tibia. *Acta Anat Basel* 143 (1992) 67-73
35. Messner K, Gillquist J: Synthetic implants for the repair of osteochondral defects of the medial femoral condyle: a biomechanical and histological evaluation in the rabbit knee. *Biomaterials* 14 (1993) 513-521

36. Mohr W: Pathologie der Gelenke und Weichteiltumore. In: Doerr W, Seifert G (Hrsg): Spezielle pathologische Anatomie, Band 18/1, Springer Verlag, Berlin, 1984, S. 133-190 und 231-548
37. Mommsen U, Junghbluth KH, Dalling G: Der Knorpeldefekt im Experiment. *H Unfallheilkunde* 129 (1977) 357-360
38. Moran ME, Kim HK, Salter RB: Biological resurfacing of full-thickness defects in patellar articular cartilage of the rabbit. Investigation of autogenous periosteal grafts subjected to continuous passive motion. *J Bone Joint Surg Br* 74 (1992) 659-667
39. Mow VC, Ratcliff A, Rosenwasser MP, Buckwalter JA: Experimental studies on repair of large osteochondral defects at a high weight bearing area of knee joint: a tissue engineering study. *J Biomech Engineering* 113 (1991) 198-207
40. Naficy S, Esclamado RM: Effect of intraoperative ischemia on chondrogenesis by vascularized auricular perichondrium grafted in the airway. *Ann Otol Rhinol Laryngol* 106 (1997) 237-239
41. Nagamoto N, Iyama K, Kitaoka M, Ninomiya Y, Yoshioka H, Mizuta H, Takagi K: Rapid expression of collagen type X gene of non-hypertrophic chondrocytes in the grafted chick periosteum demonstrated by in situ hybridization. *J Histochem Cytochem* 41 (1993) 679-684
42. Nelson BH, Anderson DD, Brand RA, Brown TD: Effect of osteochondral defects on articular cartilage. *Acta Orthop Scan* 59 (1988) 574-579
43. Noguchi T, Oka M, Neo M, Yamamuro T: Repair of osteochondral defects with grafts of cultured chondrocytes. *Clin Orthop* 302 (1994) 251-258
44. O'Driscoll SW, Fitzsimmons JS, Commisio CN: Role of oxygen tension during cartilage formation by periosteum. *J Orthop Res* 15 (1997) 682-687

45. O'Driscoll SW, Keeley FW, Salter RB: Durability of regenerated articular cartilage produced by free autogenous periosteal grafts in major full-thickness defects in joint surfaces under the influence of continuous passive motion. An experimental investigation in the rabbit. *J Bone Joint Surg* 70 (1988) 595-606
46. O'Driscoll SW, Salter RB: The induction of neochondrogenesis in free intraarticular periosteal autografts under the influence of continuous passive motion. An Experimental investigation in the rabbit. *J Bone Joint Surg* 66 (1984) 1248
47. O'Driscoll SW, Salter RB: The repair of major osteochondral defects in joint surfaces by neochondrogenesis using autogenous osteoperiosteal grafts stimulated by continuous passive motion. An experimental investigation in the rabbit. *Clin Orthop* 208 (1986) 131-140
48. Orr TE, Patel AM, Wong B, Hatzigiannis GP, Minas T, Spector M: Attachment of periosteal grafts to articular cartilage with fibrin sealant. *J Biomed Mater Res* 44 (1999) 308-313
49. Paul UE, Petzold G, Wellnitz: Die Versuchsanordnung als Ursache divergierender Aussagen zur Knorpelregeneration. *Wiss Z d Humboldt Universität zu Berlin, Math nat R XXVIII* 1 (1979) 63-65
50. Poussa M, Rubak J, Ritsilä V: Differentiation of the osteochondrogenic cells of the periosteum in chondrogenic environment. *Acta Orthop Scand* 52 (1981) 235-239
51. Redl H, Schlag G: Fibrinkleber - Methoden und Anwendungen. In: Cotta H, Braun A (Hrsg): *Fibrinkleber in Orthopädie und Traumatologie*, Thieme Verlag, Stuttgart, 1982, S. 286-289

52. Regling GG, Wellnitz I, Schildhaus A, Piotraschke A: Regenerationsverhalten des Gelenkknorpels nach mechanischer und kryochirurgischer Läsion am Kniegelenk von Kaninchen. *Wiss Z d Humboldt Universität zu Berlin, Math nat R XXVIII 1* (1979) 53-57
53. Ritsilä V, Alhopuro S, Rintala A: Bone formation with free periosteum. An experimental study. *Scand J Plast Reconstr Surg 6* (1972) 51-56
54. Ritsilä V, Alhopuro S, Rintala A: Bone formation with free periosteal grafts in reconstruction of congenital maxillary clefts. *Ann chir gynecol 65* (1976) 342-351
55. Ritsilä V, Alhopuro S: Reconstruction of experimental tracheal cartilage defects with free periosteum. *Scand J Plast Reconstr Surg 7* (1973) 116-119
56. Ritsilä V, Poussa M, Rubak J, Snellman O, Osterman K: Periosteal and perichondreal grafts in reconstruction of joint surfaces. *Acta Orthop Scand 52* (1981) 447
57. Ritsilä V, Santavirta S, Alhopuro S, Poussa M, Jaroma H, Rubak JM, Eskola A, Hoikka V, Snellman O, Osterman K: Periosteal and perichondral grafting in reconstructive surgery. *Clin Orthop 302* (1994) 259-65
58. Rubak JM (a): Chondrogenesis in repair of articular cartilage defects in free periosteal grafts in rabbits. *Acta Orthop Scand 53* (1982) 181-186
59. Rubak JM (b): Reconstruction of articular cartilage defects with free periosteal grafts. An experimental study. *Acta Orthop Scand 53* (1982) 175-180
60. Rubak JM: Osteochondrogenesis of free periosteal grafts in the rabbit iliac crest. *Acta Orthop Scand 54* (1983) 826

61. Rubak JM, Poussa M, Ritsilä V: Effect of joint motion on the repair of articular cartilage with free periosteal grafts. *Acta Orthop Scand* 53 (1982) 187-191
62. Salter RB, Simmonds DF, Malcolm BW, Rumble EJ, MacMicheal, Clements ND: The biological effect of continuous passive motion on the healing of full-thickness defects in articular cartilage: An experimental investigation in the rabbit. *J Bone Joint Surg* 62 (1980) 1232
63. Salter RB, Bell RS, Keeley: The protective effect of continuous passive motion on living articular cartilage in acute septic arthritis: An experimental investigation in the rabbit. *Clin Orthop* 159 (1981) 223-247
64. Snellman O, Östermann K, Ritsilä V: Spinal fusion of idiopathic scoliosis with free periosteal grafts. *Acta Orthop Scand* 48 (1977) 339
65. Sohn S, Ohlsen L: Growth of cartilage from a free perichondrial graft placed across a defect in a rabbit's trachea. *Plast Reconstr Surg* 53 (1974) 55-60
66. Stegemann H, Stalder K: Determination of hydroxyproline. *Clin Chim Acta* 18 (1967) 267-273
67. Stock W, Hierner R, Wolf K: Das vaskularisierte Periostlappentransplantat. Ein Überblick über eine neue Therapiemöglichkeit. *Handchir Mikrochir Plast Chir* 23 (1991) 149-156
68. Takato T, Harii K, Nakatsuka T, Ueda K, Ootake T: Vascularized periosteal grafts: an experimental study using two different forms of tibial periosteum in rabbits. *Plast Reconstr Surg* 78 (1986) 489-497
69. Tiedtke R, Rahmzadeh R, Hahn F: Tierexperimentelle Studie über Wundspülung bei Knochenoperationen. *H Unfallheilkunde* 158 (1982) 75-81

70. Tillmann B (a): Binde- und Stützgewebe des Bewegungsapparates. In: Tillmann B, Töndury G (hrsg): Rauber Kopsch, Anatomie des Menschen, Band 1. Thieme Verlag, Stuttgart, New York, 1987, S.13-48
71. Tillmann B (b): Skelettsystem. In: Tillmann B, Töndury G (hrsg): Rauber Kopsch, Anatomie des Menschen, Band 1. Thieme Verlag, Stuttgart, New York, 1987, S.51-121
72. Urist MR, McLean F: Osteogenic potency and new bone formation by induction in transplants to the anterior chamber of the eye. *J Bone Jt Surg* 34 (1952) 443-451
73. Vachon Am, Mc Ilwraith CW, Trotter GW, Norrdin BE, Powers BE: Morphologic study of repair of induced osteochondral defects of the distal portion of the radial carpal bone in horses by use of glued periosteal autografts. *Am J Vet Res* 52 (1991) 317-327
74. Wellmitz G: Zur Wiederherstellung von Gelenkabschnitten durch Regeneration. *Wiss Z d Humboldt Universität zu Berlin, Math nat R XXVIII* 2/3 (1974) 323-335
75. Wellmitz G: Zur Regeneration und Adaptation von Gelenken in Experiment und Klinik. *Nova Acta Leopoldina* 44 (1976) 350-352
76. Wildenberg van den FAJM, Goris RJA, Boetes C: Revascularized periosteum transplantation. *Eur Surg Res* 15 (1983) 110-113
77. Wirth T, Byers S, Byard RW, Hopwood JJ, Foster BK: The implantation of cartilaginous and periosteal tissue into growth plate defects. *Int Orthop* 18 (1994) 220-228
78. Woessner JF: The determination of hydroxyproline in tissue and protein samples containing small proportions of this imino acid. *Archives of Biochemistry and Biophysics* 93 (1961) 440-447