

6 Literatur

1. Amecke B, Bendix D, Entenmann G. Resorbable polyesters: composition, properties, applications. *Clin Mater* 1992;10: 47-50.
2. An YH, Woolf SK, Friedman RJ. Pre-clinical in vivo evaluation of orthopaedic bioabsorbable devices. *Biomaterials* 2000;21: 2635-2652.
3. Aqueskirchner JD, Bernau A, Burkart AC, Imhoff AB. Knieinstabilität beim Varusmorphotyp-Kreuzbandplastik und Korrekturosteotomie als Kombinationseingriff. *Z Orthop* 2002;140: 185-193.
4. Aruffo A, Stamenkovic I, Melnick M, Underhill CB, Seed B. CD44 is the principal cell surface receptor for hyaluronate. *Cell* 1990;61: 1303-1313.
5. Aydelotte MB, Kuetter KE. Differences between sub-populations of cultured bovine articular chondrocytes. *Connect Tiss Res* 1988;18: 205-222.
6. Balin AK, Goodman DB, Rasmussen H, Cristofalo VJ. Atmospheric stability in cell culture vessels. *In Vitro* 1976;12: 687-692.
7. Bayliss MT, Ridgway GD, Ali SY. Differences in the rates of aggregation of proteoglycans from human articular cartilage and chondrosarcoma. *Biochem J* 1983;215: 705-708.
8. Below S, Arnoczky SP, Dodds J, Kooima C, Walter N. The split-line pattern of the distal femur: A consideration in the orientation of autologous cartilage grafts. *Arthroscopy* 2002;18: 613-617.
9. Bentley G, Greer RB, III. Homotransplantation of isolated epiphyseal and articular cartilage chondrocytes into joint surfaces of rabbits. *Nature* 1971;230: 385-388.
10. Benya PD, Padilla SR, Nimni ME. The progeny of rabbit articular chondrocytes synthesize collagen types I and III and type I trimer, but not type II. Verifications by cyanogen bromide peptide analysis. *Biochemistry* 1977;16: 865-872.
11. Boissier MC, Chiochia G, Ronziere MC, Herbage D, Fournier C. Arthritogenicity of minor cartilage collagens (types IX and XI) in mice. *Arthritis Rheum* 1990;33: 1-8.
12. Britt JC, Park SS. Autogenous tissue-engineered cartilage: evaluation as an implant material. *Arch Otolaryngol Head Neck Surg* 1998;124: 671-677.

13. Brittberg M, Lindahl A, Nilsson A, Ohlsson C, Isaksson O, Peterson L. Treatment of deep cartilage defects in the knee with autologous chondrocyte transplantation. *N Engl J Med* 1994;331: 889-895.
14. Brittberg M, Tallheden T, Sjogren-Jansson B, Lindahl A, Peterson L. Autologous chondrocytes used for articular cartilage repair, an update. *Clin Orthop Suppl* 2001;391: 337-348.
15. Brown WE and Chow LC. Dental restorative cement pastes. 1985;[U.S. Patent No. 4518430].
16. Brown WE, Chow LC. Singular points in the chemistry of teeth. *J Dent Res* 1975;54: 74.
17. Bujia J, Alsalameh S, Naumann A, Wilmes E, Sittinger M, Burmester GR. Humoral immune response against minor collagens type IX and XI in patients with cartilage graft resorption after reconstructive surgery. *Ann Rheum Dis* 1994 53: 229-234.
18. Bujia J, Sittinger M, Minuth WW, Hammer C, Burmester G, Kastenbauer E. Engineering of cartilage tissue using bioresorbable polymer fleeces and perfusion culture. *Acta Otolaryngol* 1995;115: 307-310.
19. Bujia J, Sittinger M, Pitzke P, Wilmes E, Hammer C Synthesis of human cartilage using organotypic cell culture. *ORL J Otorhinolaryngol Relat Spec* 1993;55: 347-351.
20. Cao Y, Vacanti JP, Paige KT, Upton J, Vacanti CA. Transplantation of chondrocytes utilizing a polymer-cell construct to produce tissue-engineered cartilage in the shape of a human ear. *Plast Reconstr Surg* 1997;100: 297-302.
21. Carrel A. On the permanent live of tissue outside of the organism. *J Exp Med* 1912;15: 516-528.
22. Cima LG, Vacanti JP, Vacanti C, Ingber D, Mooney D, Langer R. Tissue engineering by cell transplantation using degradable polymer substrates. *J Biomech Eng* 1991;113: 143-151.
23. Claes L, Becker C, Simnacher M, Hoellen I. Die Verbesserung der Primärstabilität von DHS-Osteosynthesen bei instabilen pertrochantären Femurfrakturen osteoporotischer Knochen durch einen neuen Glaslonomer Zement. *Unfallchirurg* 1995;98: 118-123.

24. Constantz BR, Barr BM, and Iscon IC. Conversion of brushite bone cement to hydroxyapatite in rabbit femoral defects. Fourth World Biomaterials Congress, International Liaison Committee, 1992;56.
25. Constantz BR, Ison IC, Fulmer MT, Poser RD, Smith ST, VanWagoner M, Ross J, Goldstein SA, Jupiter JB, Rosenthal DI. Skeletal repair by in situ formation of the mineral phase of bone. *Science* 1995;267: 1796-1799.
26. Definition der National Foundation, Lake Tahoe, CA 1987.
27. Dessau W, Sasse J, Timpl R, Jilek F, von der Mark K. Synthesis and extracellular deposition of fibronectin in chondrocyte cultures. Response to the removal of extracellular cartilage matrix. *J Cell Biol* 1978;79: 342-355.
28. Dessau W, von der Mark H, von der Mark K, Fischer S. Changes in the patterns of collagens and fibronectin during limb-bud chondrogenesis. *J Embryol Exp Morphol* 1980;57: 51-60.
29. Driessens FCM, Planell JA, Boltong MG, Khairoun I, and Gineba MP. Osteotransductive bone cements. *Proc Instn Mech Engrs* 1998;212: 427-435.
30. Driessens FCM, Planell JA, Gil FJ. Calcium phosphate bone cements. In: *Encyclopedic handbook of biomaterials and bioengineering*, New York: Dekker 1995;855-877.
31. Eggli PS, Muller W, Schenk RK. Porous hydroxyapatite and tricalcium phosphate cylinders with two different pore size ranges implanted in the cancellous bone of rabbits. A comparative histomorphometric and histologic study of bony ingrowth and implant substitution. *Clin Orthop* 1988;232: 127-138.
32. Elder SH, Frankenburg EP, Yetkinler DN, Poser R.D., Goulet JA, and Goldstein SA. Biomechanical evaluation of calcium phosphat cement-augmented repair of unstable intertrochanteric fractures. *Transact Orthop Res Soc* 1997;231: 22.
33. Elford PR, Graeber M, Ohtsu H, Aeberhard M, Legendre B, Wishart WL, MacKenzie AR. Induction of swelling, synovial hyperplasia and cartilage proteoglycan loss upon intra-articular injection of transforming growth factor beta-2 in the rabbit. *Cytokine* 1992;4: 232-238.
34. Elves MW. A study of the transplantation antigens on chondrocytes from articular cartilage. *J Bone Joint Surg* 1974;56-B: 178-185.

35. Eyre DR, Apon S, Wu JJ, Ericsson LH, Walsh KA. Collagen type IX: evidence for covalent linkages to type II collagen in cartilage. *FEBS Lett* 1987;220: 337-341.
36. Freed LE, Grande DA, Lingbin Z, Emmanuel J, Marquis JC, Langer R. Joint resurfacing using allograft chondrocytes and synthetic biodegradable polymer scaffolds. *J Biomed Mater Res* 1994;28: 891-899.
37. Freed LE, Marquis JC, Nohria A, Emmanuel J, Mikos AG, Langer R. Neocartilage formation in vitro and in vivo using cells cultured on synthetic biodegradable polymers. *J Biomed Mater Res* 1993;27: 11-23.
38. Freshney R.I. *Culture of animal cells. A manual of basic technique.* New York: Wiley Liss 1991.
39. Gerngross H, Burri C, Kinzl L, Merk J, and Müller GW. Komplikationen an der Entnahmestelle autologer Spongiosatransplantate. *Akt. Traumatol* 1982;12: 146-152.
40. Glowacki J, Trepman E, Folkman J. Cell shape and phenotypic expression in chondrocytes. *Proc Soc Exp Biol Med* 1983;172: 93-98.
41. Goldring MB, Birkhead J, Sandell LJ, Kimura T, Krane SM. Interleukin 1 suppresses expression of cartilage-specific types II and IX collagens and increases types I and III collagens in human chondrocytes. *J Clin Invest* 1988 82: 2026-2037.
42. Good NE, Winget GD, Winter W, Connolly TN, Izawa S, Singh RM. Hydrogen ion buffers for biological research. *Biochemistry* 1966;2: 467-477.
43. Grande DA, Pitman MI, Peterson L, Menche D, Klein M. The repair of experimentally produced defects in rabbit articular cartilage by autologous chondrocyte transplantation. *J Orthop Res* 1989;7: 208-218.
44. Grob D. Autologous bone grafts: Problems at the donor site. *Bone transpl* 1989; 245.
45. Günther KP, Scharf HP, Pesch HJ, Puhl W. Einwachsverhalten von Knochenersatzstoffen. Tierexperimentelle Untersuchung. *Orthopäde* 1998;27: 105-117.
46. Ham R.G. Clonal growth of mammalian cells in a chemically defined, synthetic medium. *Proc Natl Acad Sci USA* 1965;53: 288-293.

47. Hangody L, Kish G, Karpati Z, Szerb I, Udvarhelyi I. Arthroscopic autogenous osteochondral mosaicplasty for the treatment of femoral condylar articular defects. A preliminary report. *Knee Surg Sports Traumatol Arthrosc* 1997;5: 262-267.
48. Hardingham TE, Muir H, Kwan MK, Lai WM, Mow VC. Viscoelastic properties of proteoglycan solutions with varying proportions present as aggregates. *J Orthop Res* 1987;5: 36-46.
49. Hassell JR, Pennypacker JP, Lewis CA. Chondrogenesis and cell proliferation in limb bud cell cultures treated with cytosine arabinoside and vitamin A. *Exp Cell Res* 1978;112: 409-417.
50. Hofmann GO. Biodegradable implants in orthopaedic surgery--a review on the state-of-the-art. *Clin Mater* 1992;10: 75-80.
51. Hollinger JO, Kleinschmidt JC. The critical size defect as an experimental model to test bone repair materials. *J Craniofac Surg* 1990;1: 60-68.
52. Homminga GN, Bulstra SK, Bouwmeester PS, van der Linden AJ. Perichondral grafting for cartilage lesions of the knee. *J Bone Joint Surg* 1990;72-B: 1003-1007.
53. Horwitz AL, Dorfman A. The growth of cartilage cells in soft agar and liquid suspension. *J Cell Biol* 1970;45: 434-438.
54. Huang Q, Goh JC, Hutmacher DW, Lee EH. In vivo mesenchymal cell recruitment by a scaffold loaded with transforming growth factor beta1 and the potential for in situ chondrogenesis. *Tissue Eng* 2002;8: 469-482.
55. Hunziker EB, Quinn TM, Hauselmann H. Quantitative structural organization of normal adult human articular cartilage. *Osteoarthritis Cartilage* 2002;10: 564-572.
56. Hurtig MB, Fretz PB, Doige CE, Schnurr DL. Effects of lesion size and location on equine articular cartilage repair. *Can J Vet Res* 1988;52:137-146.
57. Hutmacher DW. Scaffold design and fabrication technologies for engineering tissues--state of the art and future perspectives. *J Biomater Sci Polym Ed* 2001; 12: 107-124.
58. Ignatius AA, Claes LE. In vitro biocompatibility of bioresorbable polymers: poly(L, DL-lactide) and poly(L-lactide-co-glycolide). *Biomaterials* 1996;17: 831-839.

59. Itagaki A, Kimura G. Tes and HEPES buffers in mammalian cell cultures and viral studies: problem of carbon dioxide requirement. *Exp Cell Res* 1974;83: 351-361.
60. Junqueira L.C., Carneiro J. *Histologie*. Berlin: Springer 1991.
61. Kawamura S, Wakitani S, Kimura T, Maeda A, Caplan AI, Shino K, Ochi T. Articular cartilage repair. Rabbit experiments with a collagen gel-biomatrix and chondrocytes cultured in it. *Acta Orthop Scand* 1988;69: 56-62.
62. Kim HK, Moran ME, Salter RB. The potential for regeneration of articular cartilage in defects created by chondral shaving and subchondral abrasion. An experimental investigation in rabbits. *J Bone Joint Surg* 1991;73-A: 1301-1315.
63. Kimura T, Yasui N, Ohsawa S, Ono K. Chondrocytes embedded in collagen gels maintain cartilage phenotype during long-term cultures. *Clin Orthop* 1984; 186: 231-239.
64. Kirsch T, von der Mark K. Ca^{2+} binding properties of type X collagen. *FEBS Lett* 1991;294: 149-152.
65. Kofmann S. Gips als Plombenmaterial. *Zentralblatt der Chirurgie* 1925;33: 1817-1818.
66. Koster K, Heide H, Konig R. Resorbierbare Kalziumphosphat Keramiken unter Belastung. *Langenbecks Arch Chir* 1977;343: 173-181.
67. Kreklau B, Sittlinger M, Mensing MB, Voigt C, Berger G, Burmester GR, Rahmanzadeh R, Gross U. Tissue engineering of biphasic joint cartilage transplants. *Biomaterials* 1999;20: 1743-1749.
68. Kucharska AM, Kuetter KE, Kimura JH Biochemical characterization of long term culture of the swarm rat chondrosarcoma chondrocytes in agarose. *J Orthop Res* 1990;8: 781-792.
69. Kurashina K, Kurita H, Hirano M, Kotani A, Klein CP, de Groot K. In vivo study of calcium phosphate cements: implantation of an alpha-tricalcium phosphate/dicalcium phosphate dibasic/tetracalcium phosphate monoxide cement paste. *Biomaterials* 1997;18: 539-543.
70. Kwan AP, Freemont AJ, Grant ME. Immunoperoxidase localization of type X collagen in chick tibiae. *Biosci Rep* 1986;6: 155-162.

71. Lasnitzki I. and Freshney R.I. Organ culture. Animal cell culture, a practical approach. Oxford: IRL Press 2002;149-181.
72. Leighton J, Mark R, Justh G. Patterns of three- dimensional growth in collagen coated cellulose sponge: carcinomas and embryonic tissue. *Cancer Res* 1968; 28: 286-296.
73. Lemaitre J, Mirtchi A, Mortier A. Calcium phosphate cements for medical use. *Ceram Sci Technol* 1987; 52: 141-146.
74. Lindahl U, Hook M. Glycosaminoglycans and their binding to biological macromolecules. *Annu Rev Biochem* 1978;47: 385-417.
75. Lippiello L, Chakkalakal D, Connolly JF. Pulsing direct current-induced repair of articular cartilage in rabbit osteochondral defects. *J Orthop Res* 1990;8: 266-275.
76. Ljunggren C.A. Von der Fähigkeit des Hautepithels außerhalb des Organismus sein Leben zu behalten mit Berücksichtigung der Transplantation. *Dtsch Zeitschr Chir* 1898;47: 608-615.
77. Lohmander S. Proteoglycans of joint cartilage. Structure, function, turnover and role as markers of joint disease. *Baillieres Clin Rheumatol* 1988;2: 37-62.
78. Macpherson I., Montagnier L. Agar suspension culture for the selective assay of cells transformed by polyoma virus. *Virology* 1964;23: 291-294.
79. Mainil-Varlet P, Rieser F, Grogan S, Mueller W, Saager C, Jakob RP. Articular cartilage repair using a tissue-engineered cartilage-like implant: an animal study. *Osteoarthritis Cartilage* 2001;9 Suppl A: 6-15.
80. Marijnissen WJ, van Osch GJ, Aigner J, van der Veen SW, Hollander AP, Verwoerd-Verhoef HL, Verhaar JA. Alginate as a chondrocyte-delivery substance in combination with a non-woven scaffold for cartilage tissue engineering. *Biomaterials* 2002;23: 1511-1517.
81. Marks R, Allegrante JP. Body mass indices in patients with disabling hip osteoarthritis. *Arthritis Res* 2002;4: 112-116.
82. Meiss L. Experimentelle Untersuchungen und klinische Ergebnisse zur Stimulation der Knochenregeneration mit zerkleinerter Kortikalis und porösen Kalziumphosphatkeramiken. Huggler AH and Kuner EH, *Hefte Unfallheilkunde* 1991; 216: 85-97.

83. Mendler M, Eich-Bender SG, Vaughan L, Winterhalter KH, Bruckner P. Cartilage contains mixed fibrils of collagen types II, IX, and XI. *J Cell Biol* 1989; 108: 191-197.
84. Miyamoto Y, Ishikawa K, Takechi M, Toh T, Yuasa T, Nagayama M, Suzuki K. Histological and compositional evaluations of three types of calcium phosphate cements when implanted in subcutaneous tissue immediately after mixing. *J Biomed Mater Res* 1999;48: 36-42.
85. Moskalewski S, Hyc A, Osiecka-Iwan A. Immune response by host after allogeneic chondrocyte transplant to the cartilage. *Microsc Res Tech* 2002;58: 3-13.
86. Muir H. *Biochemistry*. London: Pitman 1979.
87. Müller ME. Die Verwendung von Kunstharzen in der Knochenchirurgie. *Unfall Chirurgie* 1962;64: 513-522.
88. Müller-Mai, Stupp S, Voigt C, Gross U. Nanoapatite and organoapatite implants in bone: histology and ultrastructure of the interface. *J Biomed Mater Res* 1995; 29: 9-18.
89. Naumann A, Bujia J, Hammer C, Wilmes E. Autoantikörper gegen Knorpelbestandteile: klinische Relevanz für die rekonstruktive Chirurgie im Bereich des Kopfes und des Halses. *Laryngorhinootologie* 1994;73: 253-257.
90. Neame PJ, Barry FP. The link proteins. *EXS* 1994;70: 53-72.
91. Neo M, Nakamura T, Ohtsuki C, Kasai R, Kokubo T, Yamamuro T. Ultrastructural study of the A-W GC-bone interface after long-term implantation in rat and human bone. *J Biomed Mater Res* 1994;28: 365-372.
92. Neo M, Voigt CF, Herbst H, Gross UM. Analysis of osteoblast activity at biomaterial-bone interfaces by in situ hybridization. *J Biomed Mater Res* 1996; 30: 485-492.
93. Nerlich AG. *Biosynthesis of collagen and its control*. Basel: Karger 1986.
94. O'Driscoll SW, Fitzsimmons JS. The role of periosteum in cartilage repair. *Clin Orthop* 2001;391 Suppl: 190-207.

95. O'Driscoll SW, Keeley FW, Salter RB. The chondrogenic potential of free autogenous periosteal grafts for biological resurfacing of major full-thickness defects in joint surfaces under the influence of continuous passive motion. An experimental investigation in the rabbit. *J Bone Joint Surg* 1986;68-A: 1017-1035.
96. Pacifici M, Golden EB, Oshima O, Shapiro IM, Leboy PS, Adams SL. Hypertrophic chondrocytes. The terminal stage of differentiation in the chondrogenic cell lineage? *Ann NY Acad Sci* 1990;599: 45-57.
97. Perka C, Schultz O, Sittinger M, Zippel H. Transplantation von Chondrozyten in PGLA/polydioxanone Vliesen. *Orthopäde* 2000;29: 112-119.
98. Perka C, Sittinger M, Schultz O, Spitzer RS, Schlenzka D, Burmester GR. Tissue engineered cartilage repair using cryopreserved and noncryopreserved chondrocytes. *Clin Orthop* 2000;378: 245-254.
99. Poser, R. D. Augmentation of fracture fixation using an injectable, in situ hardening, remodable calcium-phosphate bone mineral substitute. 61st Annual American Academy of Orthopaedic Surgeons 1994.
100. Puelacher WC, Kim SW, Vacanti JP, Schloo B, Mooney D, Vacanti CA. Tissue-engineered growth of cartilage: the effect of varying the concentration of chondrocytes seeded onto synthetic polymer matrices. *Int J Oral Maxillofac Surg* 1994;23: 49-53.
101. Rahfoth B, Weisser J, Sternkopf F, Aigner T, von der MK, Brauer R. Transplantation of allograft chondrocytes embedded in agarose gel into cartilage defects of rabbits. *Osteoarthritis Cartilage* 1998;6: 50-65.
102. Reed SC, Jackson RW, Glossop N, Randle J. An in vivo study of the effect of excimer laser irradiation on degenerate rabbit articular cartilage. *Arthroscopy* 1994;10: 78-84.
103. Rejda BV, Peelen JG, de Groot K. Tri-calcium phosphate as a bone substitute. *J Bioeng* 1977;1: 93-97.
104. Rotter N, Aigner J, Naumann A, Planck H, Hammer C, Burmester G, Sittinger M. Cartilage reconstruction in head and neck surgery: comparison of resorbable polymer scaffolds for tissue engineering of human septal cartilage. *J Biomed Mater Res* 1998;42: 347-356.

105. Rudert M, Hirschmann F, Wirth CJ. Das Wachstumsverhalten von Chondrozyten auf verschiedenen Biomaterialien. *Orthopäde* 1999;28: 68-75.
106. Rudert M, Wirth CJ, Schulze M, Reiss G. Synthesis of articular cartilage-like tissue in vitro. *Arch Orthop Trauma Surg* 1998;117: 141-146.
107. Rueger JM, Linhart W, Sommerfeldt D. Biologische Reaktionen auf Kalziumphosphat Implantate. *Orthopäde* 1998;27: 89-95.
108. Saller U, Holste J. Ethisorb ein neues resorbierbares Implantat für die Chirurgie. *Ethicon OP Forum* 1991;148: 45-60.
109. Schmid TM, Linsenmayer TF. Immunohistochemical localization of short chain cartilage collagen (type X) in avian tissues. *J Cell Biol* 1985;100: 598-605.
110. Sittinger M, Bujia J, Minuth WW, Hammer C, Burmester GR. Engineering of cartilage tissue using bioresorbable polymer carriers in perfusion culture. *Biomaterials* 1994;15: 451-456.
111. Sittinger M, Reitzel D, Dauner M. Resorbable polyesters in cartilage engineering: affinity and biocompatibility of polymer fiber structures to chondrocytes. *J Biomed Mater Res* 1996;33: 57-63.
112. Sittinger M. In vitro Herstellung von vitalem Knorpelgewebe mit Hilfe resorbierbarer Polymere. Naturwissenschaftliche Fakultät, Biologie und Vorklinische Medizin der Universität Regensburg 1994.
113. Smith RL, Rusk SF, Ellison BE, Wessells P, Tsuchiya K, Carter DR, Caler WE, Sandell LJ, Schurman DJ. In vitro stimulation of articular chondrocyte mRNA and extracellular matrix synthesis by hydrostatic pressure. *J Orthop Res* 1996; 14: 53-60.
114. Solursh M. Formation of cartilage tissue in vitro. *J Cell Biochem* 1991;45: 258-260.
115. Stachow. Versuche über Knochenplombierung bei höhlenförmigen Defekten des Knochens. *Beiträge zur klinischen Chirurgie* 1893;389-408.
116. Stockwell RA, Chondrocytes. *J Clin Pathol Suppl R Coll Pathol* 1978;12: 7-13.
117. Thieme V, Muller EI, Magdefessel U, Raabe G, Berger G. Auffüllung von zystischen Knochendefekten mit Oberflächen veränderten alpha-tricalcium Phosphaten. Eine klinische, radiologische und histologische Studie. *Dtsch Z Mund Kiefer Gesichtschir* 1988;12: 18-24.

118. Thilly WG, Levine DW, Jakoby WB, Pastan IH. Microcarrier culture: A homogenous environment for studies of cellular biochemistry. *Methods in enzymology*. In: Cell culture. New York: NY Acad Press 1979;184-194.
119. Toole BP. *Neuronal Recognition*. New York: Plenum 1976.
120. Vacanti CA, Langer R, Schloo B, Vacanti JP. Synthetic polymers seeded with chondrocytes provide a template for new cartilage formation. *Plast Reconstr Surg* 1991;88: 753-759.
121. Vacanti JP, Morse MA, Saltzman WM, Domb AJ, Perez-Atayde A, Langer R. Selective cell transplantation using bioabsorbable artificial polymers as matrices. *J Pediatr Surg* 1988;23: 3-9.
122. van Beuningen HM, van der Kraan PM, Arntz OJ, van den Berg WB. Transforming growth factor-beta 1 stimulates articular chondrocyte proteoglycan synthesis and induces osteophyte formation in the murine knee joint. *Lab Invest* 1994; 71: 279-290.
123. Virchow R. *Die Cellularpathologie in ihrer Begründung auf physiologische und pathologische Gewebelehre* Berlin: August Hirschwald 1878.
124. von der Mark K, Gauss V, von der Mark H, Müller P. Relationship between cell shape and type of collagen synthesised as chondrocytes lose their cartilage phenotype in culture. *Nature* 1977;267: 531-532.
125. von Schroeder HP, Kwan M, Amiel D, Coutts RD. The use of polylactic acid matrix and periosteal grafts for the reconstruction of rabbit knee articular defects. *J Biomed Mater Res* 1991;25: 329-339.
126. Wakitani S, Kimura T, Hirooka A, Ochi T, Yoneda M, Yasui N, Owaki H, Ono K. Repair of rabbit articular surfaces with allograft chondrocytes embedded in collagen gel. *J Bone Joint Surg* 1989;71-B: 74-80.
127. West CM, Lanza R, Rosenbloom J, Lowe M, Holtzer H, Avdalovic N. Fibronectin alters the phenotypic properties of cultured chick embryo chondroblasts. *Cell* 1979;17: 491-501.
128. Zaucke F, Dinser R, Maurer P, Paulsson M. Cartilage oligomeric matrix protein (COMP) and collagen IX are sensitive markers for the differentiation state of articular primary chondrocytes. *Biochem J* 2001;358: 17-24.