APPENDIX 6 - BIBLIOGRAPHY

1. Rotational mobility of a widely used rotating platform total knee replacement. *Iowa Orthop J*, 2001. 21: p. 90.

2. Multi-contact-surface finite element model of a widely used rotating platform total knee. *Iowa Orthop J*, 2001. 21: p. 89.

3. Argenson, J.N., [Biomechanical study of the Oxford knee prosthesis with mobile meniscus]. *Chirurgie*, 1993. 119(5): p. 268-72.

4. Argenson, J.N., et al., Multicentre survival study of 552 unicompartmental arthroplasty using the Oxford Meniscal Knee (Abstract Only). *J Bone Joint Surg Br*, 1993. 75-B(Supp II): p. 130-1.

5. Argenson, J.N. and J.J. O'Connor, Polyethylene wear in meniscal knee replacement. A one to nine-year retrieval analysis of the Oxford knee. *J Bone Joint Surg Br*, 1992. 74(2): p. 228-32.

6. Aubriot, J.H., et al., [Unicompartmental "Lotus" knee prosthesis. Analysis of the results of a series of 142 cases (of which 56 had a follow-up of more than 5 years)]. *Rev Chir Orthop Reparatrice Appar Mot*, 1988. 74 Suppl 2: p. 180-3.

7. Barrett, D.S., S.P. Biswas, and R.P. MacKenney, The Oxford knee replacement. A review from an independent centre. *J Bone Joint Surg Br*, 1990. 72(5): p. 775-8.

8. Bercovy, M., Mobile-Bearing versus Fixed-Bearing Knees. *J Bone Joint Surg Am*, 2001. 83-A(7): p. 1113-4.

9. Bert, J.M., Dislocation/subluxation of meniscal bearing elements after New Jersey low-contact stress total knee arthroplasty. *Clin Orthop*, 1990(254): p. 211-5.

10. Bert, J.M., Delayed failure of meniscal bearing elements in total knee arthroplasty. *J Arthroplasty*, 1996. 11(5): p. 611-2.

11. Beverland, D., Advanced mobile-bearing surgical technique. *Orthopedics*, 2002. 25(2 Suppl): p. s265-71.

12. Blunn, G.W., et al., Wear in retrieved condylar knee arthroplasties. A comparison of wear in different designs of 280 retrieved condylar knee prostheses. *J Arthroplasty*, 1997. 12(3): p. 281-90.

13. Bourne, R.B., et al., Kinematic I and Oxford knee arthroplasty. A 5-8-year follow-up study. *J Arthroplasty*, 1987. 2(4): p. 285-91.

14. Bradley, J., J.W. Goodfellow, and J.J. O'Connor, A radiographic study of bearing movement in unicompartmental Oxford knee replacements. *J Bone Joint Surg Br*, 1987. 69(4): p. 598-601.

15. Brown, A., The Oxford unicompartmental knee replacement for osteoarthritis. *Issues Emerg Health Technol*, 2001(23): p. 1-4.

16. Buechel, F.F., New Jersey low-contact-stress (LCS) knee replacement system. *Clin Orthop*, 1991(264): p. 309-11.

17. Buechel, F.F., Cementless meniscal bearing knee arthroplasty: 7- to 12-year outcome analysis. *Orthopedics*, 1994. 17(9): p. 833-6.

18. Buechel, F.F., Mobile-bearing joint replacement options in post-traumatic arthritis of the knee. *Orthopedics*, 1998. 21(9): p. 1027-31.

19. Buechel, F.F., My platform moveth and that's all that's needed! *Orthopedics*, 2001. 24(9): p. 890-2.

20. Buechel, F.F., Sr., et al., Twenty-year evaluation of meniscal bearing and rotating platform knee replacements. *Clin Orthop*, 2001. 388: p. 41-50.

21. Buechel, F.F., Sr, et al., Twenty-year evaluation of the New Jersey LCS rotating platform knee replacement. *J Knee Surg*, 2002. 15: p. 84-9.

22. Buechel, F.F. and M.J. Pappas, The New Jersey Low-Contact-Stress Knee Replacement System: biomechanical rationale and review of the first 123 cemented cases. *Arch Orthop Trauma Surg*, 1986. 105(4): p. 197-204.

23. Buechel, F.F. and M.J. Pappas, New Jersey low contact stress knee replacement system. Ten-year evaluation of meniscal bearings. *Orthop Clin North Am*, 1989. 20(2): p. 147-77.

24. Buechel, F.F. and M.J. Pappas, Long-term survivorship analysis of cruciate-sparing versus cruciate-sacrificing knee prostheses using meniscal bearings. *Clin Orthop*, 1990(260): p. 162-9.

25. Buechel, F.F., M.J. Pappas, and G. Makris, Evaluation of contact stress in metal-backed patellar replacements. A predictor of survivorship. *Clin Orthop*, 1991(273): p. 190-7.

26. Buechel, F.F., R.A. Rosa, and M.J. Pappas, A metal-backed, rotating-bearing patellar prosthesis to lower contact stress. An 11-year clinical study. *Clin Orthop*, 1989(248): p. 34-49.

27. Callaghan, J.J., Mobile-bearing knee replacement: clinical results: a review of the literature. *Clin Orthop*, 2001(392): p. 221-5.

28. Callaghan, J.J., et al., Mobile-bearing knee replacement: concepts and results. *Instr Course Lect*, 2001. 50: p. 431-49.

29. Callaghan, J.J., et al., Cemented rotating-platform total knee replacement. A nine to twelve-year follow-up study. *J Bone Joint Surg Am*, 2000. 82(5): p. 705-11.

30. Callahan, C.M., et al., Patient outcomes following unicompartmental or bicompartmental knee arthroplasty. A meta-analysis. *J Arthroplasty*, 1995. 10(2): p. 141-50.

31. Carr, A., et al., Medial unicompartmental arthroplasty. A survival study of the Oxford meniscal knee. *Clin Orthop*, 1993(295): p. 205-13.

32. Carr, A.J., The Oxford knee. Survival analysis of joint replacement. *Int Orthop*, 1993. 17(4 Suppl): p. 14-5.

33. Castel, E., et al., [Mobility of a polyethylene tibial insert in a mobile total knee prosthesis]. *Rev Chir Orthop Reparatrice Appar Mot*, 1999. 85(1): p. 33-41.

34. Cohen, M., F. Buechel, and M.J. Pappas, Meniscal-bearing unicompartmental knee arthroplasty. An 11-year clinical study. *Orthop Rev*, 1991. 20(5): p. 443-8.

35. Colizza, W.A., J.N. Insall, and G.R. Scuderi, The posterior stabilized total knee prosthesis. Assessment of polyethylene damage and osteolysis after a ten-year-minimum follow-up. *J Bone Joint Surg Am*, 1995. 77(11): p. 1713-20.

36. Crossett, L.S., Fixed- versus mobile-bearing total knee arthroplasty: technical issues and surgical tips. *Orthopedics*, 2002. 25(2 Suppl): p. s251-6.

37. Crova, M., E. Cenna, and C. Olivero, Rotating knee prosthesis. Surface or hinge replacement? *Orthopade*, 2000. 29 Suppl 1: p. S43-4.

38. Deshmukh, R.V. and R.D. Scott, Unicompartmental knee arthroplasty: long-term results. *Clin Orthop*, 2001(392): p. 272-8.

39. Diduch, D.R., et al., Total knee replacement in young, active patients. Long-term follow-up and functional outcome. *J Bone Joint Surg Am*, 1997. 79(4): p. 575-82.

40. D'Lima, D.D., P.C. Chen, and C.W. Colwell, Jr., Polyethylene contact stresses, articular congruity, and knee alignment. *Clin Orthop*, 2001(392): p. 232-8.

41. D'Lima, D.D., et al., Comparison between the kinematics of fixed and rotating bearing knee prostheses. *Clin Orthop*, 2000(380): p. 151-7.

42. D'Lima, D.D., et al., Tibiofemoral conformity and kinematics of rotating-bearing knee prostheses. *Clin Orthop*, 2001(386): p. 235-42.

43. Draganich, L.F. and L.A. Pottenger, The TRAC PS mobile-bearing prosthesis: design rationale and in vivo 3-dimensional laxity. *J Arthroplasty*, 2000. 15(1): p. 102-12.

44. Duffy, P.J. and A.P. Phillipson, Long-term results of the Accord total knee replacement in the Countess of Chester Hospital. *Knee*, 2000. 7(3): p. 175-178.

45. Emerson, R.H. and W.C. Head, Failure mechanisms of unicompartmental knee replacement: the impact of changes in operative technique and component design. *Semin Arthroplasty*, 1991. 2(1): p. 23-8.

46. Emerson, R.H., Jr., W.C. Head, and P.C. Peters, Jr., Soft-tissue balance and alignment in medial unicompartmental knee arthroplasty. *J Bone Joint Surg Br*, 1992. 74(6): p. 807-10.

47. Emmerson, K.P., C.G. Moran, and I.M. Pinder, Survivorship analysis of the Kinematic Stabilizer total knee replacement: a 10- to 14-year follow-up. *J Bone Joint Surg Br*, 1996. 78(3): p. 441-5.

48. Font-Rodriguez, D.E., G.R. Scuderi, and J.N. Insall, Survivorship of cemented total knee arthroplasty. *Clin Orthop*, 1997(345): p. 79-86.

49. Footner, A., Clinical revision series. 7. Oxford knee replacement. *Nurs Mirror*, 1985. 160(25): p. 39-41.

50. Freeman, M.A., Outcome of a rotating meniscal-bearing total knee replacement (TKR) prosthesis. *J Arthroplasty*, 1997. 12(2): p. 213-4.

51. Furnes, O., et al., Early failures among 7,174 primary total knee replacements: a follow-up study from the Norwegian Arthroplasty Register 1994-2000. *Acta Orthop Scand*, 2002. 73(2): p. 117-29.

52. Gill, G.S., A.B. Joshi, and D.M. Mills, Total condylar knee arthroplasty. 16- to 21-year results. *Clin Orthop*, 1999(367): p. 210-5.

53. Goodfellow, J., Characteristics of the Oxford knee. Basic concepts of surface replacements. *Int Orthop*, 1993. 17(4 Suppl): p. 10-3.

54. Goodfellow, J. and J. O'Connor, The mechanics of the knee and prosthesis design. *J Bone Joint Surg Br*, 1978. 60-B(3): p. 358-69.

55. Goodfellow, J.W., et al., The Oxford Knee for unicompartmental osteoarthritis. The first 103 cases. *J Bone Joint Surg Br*, 1988. 70(5): p. 692-701.

56. Goodfellow, J.W. and J. O'Connor, Clinical results of the Oxford knee. Surface arthroplasty of the tibiofemoral joint with a meniscal bearing prosthesis. *Clin Orthop*, 1986(205): p. 21-42.

57. Goodfellow, J.W., et al., Unicompartmental Oxford Meniscal knee arthroplasty. *J Arthroplasty*, 1987. 2(1): p. 1-9.

58. Goutallier, D. and P. Hernigou, [Early failure of unicompartmental tibiofemoral resurfacing arthroplasty in the treatment of arthrosis of the knee (author's transl)]. *Rev Chir Orthop Reparatrice Appar Mot*, 1981. 67(7): p. 659-65.

59. Goutallier, D. and P. Hernigou, [Unicompartmental femorotibial arthroplasty and lateral gonarthrosis. Outcome of 52 prostheses implanted for more than 5 years]. *Rev Rhum Mal Osteoartic*, 1984. 51(7-8): p. 399-404.

60. Goutallier, D. and P. Hernigou, [Unicompartmental arthroplasty (Lotus type) in the treatment of lateralized gonarthrosis in the elderly. Outcome after more than 5 years of 56 prostheses analyzed in 1981]. *Rev Chir Orthop Reparatrice Appar Mot*, 1985. 71(3): p. 213-8.

61. Goutallier, D., P. Hernigou, and J. Debeyre, [Unicompartmental sliding prostheses (Lotus) in the treatment of lateralized osteoarthrosis of the knee (author's transl)]. *Chirurgie*, 1981. 107(5): p. 368-70.

62. Grodzki, T., et al., A prospective, randomized, comparative study on the early functional results of total knee arthroplasty systems: Rotating tibia component versus fixed tibial PE-inlay. *Z Orthop Ihre Grenzgeb*, 2001. 139: p. 393-6.

63. Gunther, T.V., et al., Lateral unicompartmental arthroplasty with the Oxford Meniscal Knee. *Knee*, 1996. 3: p. 33-9.

64. Hailey, J.L., et al., A tribological study of a series of retrieved accord knee explants. *Med Eng Phys*, 1994. 16(3): p. 223-8.

65. Hangody, L., et al., [Experience with the "Oxford" type uni-condylar meniscus- and surface replacing knee prosthesis. Preliminary report]. *Magy Traumatol Orthop Helyreallito Seb*, 1992. 35(3): p. 255-8.

66. Harding, M.L., A. Ullah, and S. Birtwhistle, Leicester experience of the Oxford Uni (Abstract Only). *J Bone Joint Surg Br*, 2000. 82-B(Supp I): p. 23.

67. Hartford, J.M., et al., Radiographic analysis of low contact stress meniscal bearing total knee replacements. *J Bone Joint Surg Am*, 2001. 83-A(2): p. 229-34.

68. Hartford, J.M., T. Hunt, and H. Kaufer, Low contact stress mobile bearing total knee arthroplasty: results at 5 to 13 years. *J Arthroplasty*, 2001. 16(8): p. 977-83.

69. Heim, C.S., et al., Classification of mobile-bearing knee designs: mobility and constraint. *J Bone Joint Surg Am*, 2001. 83-A Suppl 2(Pt 1): p. 32-7.

70. Hirakawa, K., et al., Characterization of debris adjacent to failed knee implants of 3 different designs. *Clin Orthop*, 1996(331): p. 151-8.

71. Huang, C.H., C.Y. Yang, and C.K. Cheng, Fracture of the femoral component associated with polyethylene wear and osteolysis after total knee arthroplasty. *J Arthroplasty*, 1999. 14(3): p. 375-9.

72. Huang, C.H., et al., Polyethylene failure in New Jersey low-contact stress total knee arthroplasty. *J Biomed Mater Res*, 1998. 39(1): p. 153-60.

73. Insall, J.N., Adventures in mobile-bearing knee design: a mid-life crisis. *Orthopedics*, 1998. 21(9): p. 1021-3.

74. Jahng, J., et al., Dislocation of mobile meniscal-bearing element by massive joint effusion--a case report. *Acta Orthop Scand*, 2001. 72(2): p. 192-4.

75. Johnson, R., et al., Five to eight year results of the Johnson-Elloy (Accord) total knee arthroplasty. *J Arthroplasty*, 1993. 8(1): p. 27-32.

76. Jones, V.C., et al., Simulation of tibial counterface wear in mobile bearing knees with uncoated and ADLC coated surfaces. *Biomed Mater Eng*, 2001. 11(2): p. 105-15.

77. Jones, V.C., et al., An experimental model of tibial counterface polyethylene wear in mobile bearing knees: the influence of design and kinematics. *Biomed Mater Eng*, 1999. 9(3): p. 189-96.

78. Jones, V.C., et al., Quantification of third body damage to the tibial counterface in mobile bearing knees. *Proc Inst Mech Eng [H*], 2001. 215(2): p. 171-9.

79. Jordan, L.R., et al., The clinical history of mobile-bearing patella components in total knee arthroplasty. *Orthopedics*, 2002. 25(2 Suppl): p. s247-50.

80. Jordan, L.R., J.L. Olivo, and P.E. Voorhorst, Survivorship analysis of cementless meniscal bearing total knee arthroplasty. *Clin Orthop*, 1997(338): p. 119-23.

81. Kaper, B.P., et al., Medium-term results of a mobile bearing total knee replacement. *Clin Orthop*, 1999(367): p. 201-9.

82. Keblish, P., Results and complications of the LCS (Low Contact Stress) knee system. *Acta Orthop Belg*, 1991. 57 Suppl 2: p. 124-7.

83. Keblish, P., I. Udvarhelyi, and G. Vaczi, [Low contact stress knee prosthesis system. Results and complications]. *Magy Traumatol Ortop Kezseb Plasztikai Seb*, 1993. 36(3): p. 243-51.

84. Keblish, P.A., The case for unicompartmental knee arthroplasty. *Orthopedics*, 1994. 17(9): p. 853-5.

85. Keblish, P.A., Alternate surgical approaches in mobile-bearing total knee arthroplasty. *Orthopedics*, 2002. 25(2 Suppl): p. s257-64.

86. Keblish, P.A., A.K. Varma, and A.S. Greenwald, Patellar resurfacing or retention in total knee arthroplasty. A prospective study of patients with bilateral replacements. *J Bone Joint Surg Br*, 1994. 76(6): p. 930-7.

87. Keyes, G., Reduced invasive approach for Oxford II medial unicompartmental knee replacement- A preliminary study. *Knee*, 1999. 6: p. 193-6.

88. Keyes, G., P. Kanabar, and C. Das, An independent prospective study of the Oxford Medial Unicompartmental knee replacement (Abstract Only). *J Bone Joint Surg Br*, 2000. 82-B(Supp I): p. 23.

89. Kilgus, D.J., Polyethylene wear in mobile-bearing prostheses. *Orthopedics*, 2002. 25(2 Suppl): p. s227-33.

90. Kim, Y.H., H.K. Kook, and J.S. Kim, Comparison of fixed-bearing and mobile-bearing total knee arthroplasties. *Clin Orthop*, 2001(392): p. 101-15.

91. Knutson, K., et al., The Swedish knee arthroplasty register. A nation-wide study of 30,003 knees 1976-1992. *Acta Orthop Scand*, 1994. 65(4): p. 375-86.

92. Knutson, K., A. Lindstrand, and L. Lidgren, Survival of knee arthroplasties. A nation-wide multicentre investigation of 8000 cases. *J Bone Joint Surg Br*, 1986. 68(5): p. 795-803.

93. Kumar, A. and N. Fiddian, Medial unicompartmental arthroplasty of the knee. *Knee*, 1999. 6: p. 21-3.

94. Kuster, M.S., et al., Endurance sports after total knee replacement: a biomechanical investigation. *Med Sci Sports Exerc*, 2000. 32(4): p. 721-4.

95. Kuster, M.S. and G.W. Stachowiak, Factors affecting polyethylene wear in total knee arthroplasty. *Orthopedics*, 2002. 25(2 Suppl): p. s235-42.

96. Laird, L., New Jersey low-contact stress total knee arthroplasties (TKAs). *Clin Orthop*, 1992(283): p. 309-10.

97. Lang, G., et al., [Single compartment Oxford knee prosthesis]. *Chirurgie*, 1994. 120(5): p. 264-71.

98. Lawrence, S.J. and R.O. Kan, Arthroscopic lysis of adhesions after New Jersey LCS total knee arthroplasty. *Orthopedics*, 1992. 15(8): p. 943-4.

99. Lewandowski, P.J., et al., Kinematics of posterior cruciate ligament-retaining and -sacrificing mobile bearing total knee arthroplasties. An in vitro comparison of the New Jersey LCS meniscal bearing and rotating platform prostheses. *J Arthroplasty*, 1997. 12(7): p. 777-84.

100. Lewold, S., et al., Oxford meniscal bearing knee versus the Marmor knee in unicompartmental arthroplasty for arthrosis. A Swedish multicenter survival study. *J Arthroplasty*, 1995. 10(6): p. 722-31.

101. Lidgren, L., Report 2000 *Swedish Knee Arthroplasty Register*. 2000.

102. Liggins, A.B., et al., Quantitative Assessment of Polyethylene Component Position in a Mobile-Bearing Prosthetic Knee, Using a Single Radiograph. Comput Methods Biomech *Biomed Engin*, 1998. 1(4): p. 333-342.

103. Liow, R.Y. and D.W. Murray, Which primary total knee replacement? A review of currently available TKR in the United Kingdom. *Ann R Coll Surg Engl*, 1997. 79(5): p. 335-40.

104. Malkani, A.L., et al., Total knee arthroplasty with the kinematic condylar prosthesis. A ten-year follow-up study. *J Bone Joint Surg Am*, 1995. 77(3): p. 423-31.

105. Matsuda, S., et al., Contact stress analysis in meniscal bearing total knee arthroplasty. *J Arthroplasty*, 1998. 13(6): p. 699-706.

106. Matsuda, S., L.A. Whiteside, and S.E. White, The effect of varus tilt on contact stresses in total knee arthroplasty: a biomechanical study. *Orthopedics*, 1999. 22(3): p. 303-7.

107. Matsuda, S., et al., Knee stability in meniscal bearing total knee arthroplasty. *J Arthroplasty*, 1999. 14(1): p. 82-90.

108. McEwen, H.M.J., et al., Wear of fixed bearing and rotating platform mobile bearing knees subjected to high levels of internal and external tibial rotation. *J Materials Science: Materials in Medicine*, 2001. 12: p. 1049-52.

109. McLardy-Smith, P., et al. Results of the Oxford medial unicompartmental knee arthroplasty in patients under 60 (Abstract Only). in AAOS Annual Meeting. 2001. San Francisco, CA.

110. McNulty, D.E., Y.S. Liao, and B.D. Haas, The influence of sterilization method on wear performance of the low contact stress total knee system. *Orthopedics*, 2002. 25(2 Suppl): p. s243-6.

111. Menchetti, P.P. and P.S. Walker, Mechanical evaluation of mobile bearing knees. *Am J Knee Surg*, 1997. 10(2): p. 73-81; discussion 81-2.

112. Miller, R., J. Goodfellow, and J. O'Connor, Oxford meniscal knee. *Clin Orthop*, 1994(303): p. 290-1.

113. Minns, R.J., Wear and contact stress studies of the Minns meniscal knee prosthesis. *Eng Med*, 1988. 17(3): p. 135-8.

114. Minns, R.J., Torsional characteristics of the Minns meniscal knee prosthesis. *Arch Orthop Trauma Surg*, 1989. 108(1): p. 49-52.

115. Minns, R.J., The Minns meniscal knee prosthesis: biomechanical aspects of the surgical procedure and a review of the first 165 cases. *Arch Orthop Trauma Surg*, 1989. 108(4): p. 231-5.

116. Minns, R.J. and J. Campbell, The mechanical testing of a sliding meniscus knee prosthesis. *Clin Orthop*, 1978(137): p. 268-75.

117. Mont, M.A., et al. The spectrum of design and implantation for total knee arthroplasty. in Symposia Presentation at the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons. 2002. Dallas, TX.

118. Morgan-Jones, R.L., et al., Motus meniscal bearing uncemented total knee replacement: clinical results at a minimum 2 year review (Accepted for publication). *J Arthroplasty*, 2002.

119. Muller, W. and D. Wirz, The patella in total knee replacement: does it matter? 750 LCS total knee replacements without resurfacing of the patella. *Knee Surg Sports Traumatol Arthrosc*, 2001. 9 Suppl 1: p. S24-6.

120. Munzinger, U.K., J. Petrich, and J.G. Boldt, Patella resurfacing in total knee arthroplasty using metal-backed rotating bearing components: a 2- to 10-year follow-up evaluation. *Knee Surg Sports Traumatol Arthrosc*, 2001. 9 Suppl 1: p. S34-42.

121. Murray, D.W., Unicompartmental knee replacement: now or never? *Orthopedics*, 2000. 23(9): p. 979-80.

122. Murray, D.W., J.W. Goodfellow, and J.J. O'Connor, The Oxford medial unicompartmental arthroplasty: a ten-year survival study. *J Bone Joint Surg Br*, 1998. 80(6): p. 983-9.

123. Newman, J.H., Unicompartmental knee replacement. *Knee*, 2000. 7(2): p. 63-70.

124. Nilsson, K.G., J. Karrholm, and P. Gadegaard, Abnormal kinematics of the artificial knee. Roentgen stereophotogrammetric analysis of 10 Miller-Galante and five New Jersey LCS knees. *Acta Orthop Scand*, 1991. 62(5): p. 440-6.

125. O'Connor, J., J. Goodfellow, and N. Perry, Fixation of the tibial components of the Oxford knee. *Orthop Clin North Am*, 1982. 13(1): p. 65-87.

126. O'Connor, J.J. and J.W. Goodfellow, Theory and practice of meniscal knee replacement: designing against wear. *Proc Inst Mech Eng [H]*, 1996. 210(3): p. 217-22.

127. O'Connor, J.J., et al., The geometry of the knee in the sagittal plane. *Proc Inst Mech Eng [H]*, 1989. 203(4): p. 223-33.

128. Otto, J.K., J.J. Callaghan, and T.D. Brown, Mobility and contact mechanics of a rotating platform total knee replacement. *Clin Orthop*, 2001(392): p. 24-37.

129. Papachristou, G., Experience with knee arthroplasty. *Clin Orthop*, 1989(246): p. 81-5.

130. Plitz, W., [Knee endoprosthesis: selection and requirements of materials]. *Orthopade*, 2000. 29(8): p. 727-31.

131. Polyzoides, A.J., Mechanical evaluation of mobile bearing knees. *Am J Knee Surg*, 1997. 10(4): p. 194.

132. Polyzoides, A.J., G.K. Dendrinos, and H. Tsakonas, The Rotaglide total knee arthroplasty. Prosthesis design and early results. *J Arthroplasty*, 1996. 11(4): p. 453-9.

133. Price, A.J., et al. Ten year survival results of Oxford mobile bearing unicompartmental knee arthroplasty in young patients and patients with damaged anterior cruciate ligaments (Abstract Only). in 12th Annual International Symposium for Technology in Arthroplasty. 1999.

134. Price, A.J., et al., Sagittal plane mechanics of the Oxford medial unicompartmental arthroplasty- An in vivo study. *J Bone Joint Surg Br*, 2000. 82-B(Supp 3): p. 248.

135. Price, A.J., et al., Rapid recovery after oxford unicompartmental arthroplasty through a short incision. *J Arthroplasty*, 2001. 16(8): p. 970-6.

136. Psychoyios, V., et al., Wear of congruent meniscal bearings in unicompartmental knee arthroplasty: a retrieval study of 16 specimens. *J Bone Joint Surg Br*, 1998. 80(6): p. 976-82.

137. Ranawat, C.S. and O. Boachie-Adjei, Survivorship analysis and results of total condylar knee arthroplasty. Eight- to 11-year follow-up period. *Clin Orthop*, 1988(226): p. 6-13.

138. Ranawat, C.S., et al., Long-term results of the total condylar knee arthroplasty. A 15-year survivorship study. *Clin Orthop*, 1993(286): p. 94-102.

139. Rand, J.A. and D.M. Ilstrup, Survivorship analysis of total knee arthroplasty. Cumulative rates of survival of 9200 total knee arthroplasties. *J Bone Joint Surg Am*, 1991. 73(3): p. 397-409.

140. Rees, J.L., et al., Medial unicompartmental arthroplasty after failed high tibial osteotomy. *J Bone Joint Surg Br*, 2001. 83(7): p. 1034-6.

141. Ritter, M.A., et al., Long-term follow-up of anatomic graduated components posterior cruciate-retaining total knee replacement. *Clin Orthop*, 2001. 388: p. 51-7.

142. Ritter, M.A., et al., Long-term survival analysis of the posterior cruciate condylar total knee arthroplasty. A 10-year evaluation. *J Arthroplasty*, 1989. 4(4): p. 293-6.

143. Robertsson, O., et al., Patient satisfaction after knee arthroplasty: a report on 27,372 knees operated on between 1981 and 1995 in Sweden. *Acta Orthop Scand*, 2000. 71(3): p. 262-7.

144. Robertsson, O., et al., Knee arthroplasty in rheumatoid arthritis. A report from the Swedish Knee Arthroplasty Register on 4,381 primary operations 1985-1995. *Acta Orthop Scand*, 1997. 68(6): p. 545-53.

145. Robertsson, O., et al., The Swedish Knee Arthroplasty Register 1975-1997: an update with special emphasis on 41,223 knees operated on in 1988-1997. *Acta Orthop Scand*, 2001. 72(5): p. 503-13.

146. Rosenberg, N. and I. Henderson, Medium term outcome of the LCS cementless posterior cruciate retaining total knee replacements. Follow up and survivorship study of 35 operated knees. *Knee*, 2001. 8(2): p. 123-8.

147. Rowley, D.I., Meniscal Knee Arthroplasty: Is there a case for its use or is it simply an alternative "optimization of the compromise"?, in Current Concepts in Primary and Revision Total Knee Arthroplasty., J.N. Insall, W.N. Scott, and G.R. Scuderi, Editors. 1996, Lippincott-Raven Publishers: Philadelphia. p. 65-8.

148. Sanchez-Sotelo, J., J.M. Ordonez, and S.B. Prats, Results and complications of the low contact stress knee prosthesis. *J Arthroplasty*, 1999. 14(7): p. 815-21.

149. Sathasivam, S., et al., The effect of contact area on wear in relation to fixed bearing and mobile bearing knee replacements. *J Biomed Mater Res*, 2001. 58(3): p. 282-90.

150. Schai, P.A., T.S. Thornhill, and R.D. Scott, Total knee arthroplasty with the PFC system. Results at a minimum of ten years and survivorship analysis. *J Bone Joint Surg Br*, 1998. 80(5): p. 850-8.

151. Schlepckow, P., Three-dimensional kinematics of total knee replacement systems. *Arch Orthop Trauma Surg*, 1992. 111(4): p. 204-9.

152. Schroeder-Boersch, H., [Joint biomechanics and design of modern knee prostheses--time for revised thinking!]. *Z Orthop Ihre Grenzgeb*, 2001. 139(1): p. 3-7.

153. Scott, W.N., et al. Mobile bearing knee replacement: Are we going forwards, backwards or sideways. in Symposia Presentation at the 67th Annual Meeting of the American Academy of Orthopaedic Surgeons. 2000. Orlando, FL.

154. Scuderi, G.R., et al., Survivorship of cemented knee replacements. *J Bone Joint Surg Br*, 1989. 71(5): p. 798-803.

155. Sherman, K.P., et al., Bilateral Oxford Meniscal Knee arthroplasty. *J R Soc Med*, 1985. 78(11): p. 916-9.

156. Shrive, N.G., J.J. O'Connor, and J.W. Goodfellow, Load-bearing in the knee joint. *Clin Orthop*, 1978(131): p. 279-87.

157. Sorrells, R.B., The rotating platform mobile bearing TKA. *Orthopedics*, 1996. 19(9): p. 793-6.

158. Sorrells, R.B., The clinical history and development of the low contact stress total knee arthroplasty. *Orthopedics*, 2002. 25(2 Suppl): p. s207-12.

159. Sorrells, R.B., J.B. Stiehl, and P.E. Voorhorst, Midterm results of mobile-bearing total knee arthroplasty in patients younger than 65 years. *Clin Orthop*, 2001(390): p. 182-9.

160. Statler, K.D., et al., Contact surface areas in cruciate sparing knee replacement. *Orthop Trans*, 1992. 16: p. 483.

161. Stern, S.H. and J.N. Insall, Posterior stabilized prosthesis. Results after follow-up of nine to twelve years. *J Bone Joint Surg Am*, 1992. 74(7): p. 980-6.

162. Stiehl, J.B., World experience with low contact stress mobile-bearing total knee arthroplasty: a literature review. *Orthopedics*, 2002. 25(2 Suppl): p. s213-7.

163. Stiehl, J.B., et al., In vivo determination of condylar lift-off and screw-home in a mobile-bearing total knee arthroplasty. *J Arthroplasty*, 1999. 14(3): p. 293-9.

164. Stiehl, J.B., et al., In vivo kinematic analysis of a mobile bearing total knee prosthesis. *Clin Orthop*, 1997(345): p. 60-6.

165. Stiehl, J.B., et al., In vivo kinematic comparison of posterior cruciate ligament retention or sacrifice with a mobile bearing total knee arthroplasty. *Am J Knee Surg*, 2000. 13(1): p. 13-8.

166. Stiehl, J.B., R. Komistek, and D.A. Dennis, A novel approach to knee kinematics. *Am J Orthop*, 2001. 30(4): p. 287-93.

167. Stiehl, J.B., et al., Kinematics of the patellofemoral joint in total knee arthroplasty. *J Arthroplasty*, 2001. 16(6): p. 706-14.

168. Stiehl, J.B., et al., Frontal plane kinematics after mobile-bearing total knee arthroplasty. *Clin Orthop*, 2001(392): p. 56-61.

169. Stiehl, J.B. and P.E. Voorhorst, Total knee arthroplasty with a mobile-bearing prosthesis: comparison of retention and sacrifice of the posterior cruciate ligament in cementless implants. *Am J Orthop*, 1999. 28(4): p. 223-8.

170. Stiehl, J.B., et al., Comparison of range of motion after posterior cruciate ligament retention or sacrifice with a mobile bearing total knee arthroplasty. *Am J Knee Surg*, 1997. 10(4): p. 216-20.

171. Stukenborg-Colsman, C., et al., [Knee endoprosthesis: biomechanical requirements and consequences]. *Orthopade*, 2000. 29(8): p. 722-6.

172. Stukenborg-Colsman, C., et al., Relative motion of a mobile bearing inlay after total knee arthroplasty - dynamic in vitro study. *Clin Biomech* (Bristol, Avon), 2002. 17(1): p. 49-55.

173. Svard, U.C. and A.J. Price, Oxford medial unicompartmental knee arthroplasty. A survival analysis of an independent series. *J Bone Joint Surg Br*, 2001. 83(2): p. 191-4.

174. Szivek, J.A., P.L. Anderson, and J.B. Benjamin, Average and peak contact stress distribution evaluation of total knee arthroplasties. *J Arthroplasty*, 1996. 11(8): p. 952-63.

175. Thompson, N.W., et al., Total knee arthroplasty without patellar resurfacing in isolated patellofemoral osteoarthritis. *J Arthroplasty*, 2001. 16(5): p. 607-12.

176. Tibrewal, S.B., K.A. Grant, and J.W. Goodfellow, The radiolucent line beneath the tibial components of the Oxford meniscal knee. *J Bone Joint Surg Br*, 1984. 66(4): p. 523-8.

177. Tsakonas, A.C. and A.J. Polyzoides, Reduction of polyethylene in a congruent meniscal knee prosthesis. Experimental and clinical studies. *Acta Orthop Scand Suppl*, 1997. 275: p. 127-31.

178. Verhaven, E., et al., Meniscal bearing dislocation in the Oxford knee. *Acta Orthop Belg*, 1991. 57(4): p. 430-2.

179. Vertullo, C.J., et al., Mobile bearings in primary knee arthroplasty. *J Am Acad Orthop Surg*, 2001. 9(6): p. 355-64.

180. Vorlat, P., R. Verdonk, and H. Schauvlieghe, The Oxford unicompartmental knee prosthesis: a 5-year follow-up. *Knee Surg Sports Traumatol Arthrosc*, 2000. 8(3): p. 154-8.

181. Walker, P.S., et al., Motion of a mobile bearing knee allowing translation and rotation. *J Arthroplasty*, 2002. 17(1): p. 11-19.

182. Walker, P.S. and S. Sathasivam, The design of guide surfaces for fixed-bearing and mobile-bearing knee replacements. *J Biomech*, 1999. 32(1): p. 27-34.

183. Walker, P.S. and S. Sathasivam, Design forms of total knee replacement. *Proc Inst Mech Eng [H]*, 2000. 214(1): p. 101-19.

184. Warren, P.J., et al., Laxity and function in knee replacements. A comparative study of three prosthetic designs. *Clin Orthop*, 1994(305): p. 200-8.

185. Weale, A.E., et al., Perceptions of outcomes after unicompartmental and total knee replacements. *Clin Orthop*, 2001(382): p. 143-53.

186. Weale, A.E., et al., Radiological changes five years after unicompartmental knee replacement. *J Bone Joint Surg Br*, 2000. 82(7): p. 996-1000.

187. Weale, A.E., et al., Does arthritis progress in the retained compartments after 'Oxford' medial unicompartmental arthroplasty? A clinical and radiological study with a minimum ten-year follow-up. *J Bone Joint Surg Br*, 1999. 81(5): p. 783-9.

188. Weaver, J.K., R.S. Derkash, and A.S. Greenwald, Difficulties with bearing dislocation and breakage using a movable bearing total knee replacement system. *Clin Orthop*, 1993(290): p. 244-52.

189. Weir, D.J., C.G. Moran, and I.M. Pinder, Kinematic condylar total knee arthroplasty. 14-year survivorship analysis of 208 consecutive cases. *J Bone Joint Surg Br*, 1996. 78(6): p. 907-11.

190. Weissinger, M., A. Keppel, and C. Helmreich, [Complications after replacement of a knee joint endoprosthesis with a cementless "low contact stress" prosthesis]. *Acta Chir Orthop Traumatol Cech*, 1993. 60(3): p. 153-7.

191. Whittle, M.W. and R.J. Jefferson, Functional biomechanical assessment of the Oxford Meniscal Knee. *J Arthroplasty*, 1989. 4(3): p. 231-43.

192. Witvoet, J., et al., [Knee prosthesis in 1990. Apropos of a 15 years' experience]. *Chirurgie*, 1990. 116(4-5): p. 461-70.

193. Witvoet, J., M.D. Peyrache, and R. Nizard, [Single-compartment "Lotus" type knee prosthesis in the treatment of lateralized gonarthrosis: results in 135 cases with a mean follow-up of 4.6 years]. *Rev Chir Orthop Reparatrice Appar Mot*, 1993. 79(7): p. 565-76.