4. Boileau P, Krishnan SG, Tinsi L et al. (2002) Tuberosity malposition and migration: reasons for poor outcomes after hemiarthroplasty for displaced fractures of the proximal humerus. *J Shoulder Elbow Surg* 11: 401–412
5. Boileau P, Coste JS, Ahrens PM, Staccini P (2002) Prosthetic shoulder replacement for fracture: results of the multicenter study. In: Walch G, Boileau P, Mole D (eds) 2000 shoulder prostheses: two to ten year follow up. Sauramps Medical, Montpellier, pp 561–573
6. Bondi R, Ceccarelli E, Campi S, Padua R (2005) Shoulder arthroplasty for complex humeral fractures. *J Orthopaed Traumatol* 6: 57–60
7. Boss AP, Hintermann B (1999) Primary endoprosthesis in comminuted humeral head fractures in patients over 60 years of age. *Int Orthop* 23: 172–174
8. Brunner U, Boileau P, Köhler S (2006) Ergebnisse und Konsequenzen in der Prothetik an einer großen Multicenterstudie. In: Lill H (Hrsg) Die proximale Humerusfraktur. Thieme, Stuttgart New York, S 163–173
9. Frankle MA, Mighell A (2001) Outcomes of hemiarthroplasty for fractures of the proximal humerus. 8th ICSS, Cape Town, South Africa
10. Frankle MA, Ondrovic LE, Markee BA et al. (2002) Stability of tuberosity reattachment in proximal humeral hemiarthroplasty. *J Shoulder Elbow Surg* 11: 413–420
11. Frich LH, Sojbjerg JO, Sneppen O (1991) Shoulder arthroplasty in complex acute and chronic proximal humeral fractures. *Orthopedics* 14: 949–954
12. Gerber C, Schneeberger AG, Vinh TS (1990) The arterial vascularization of the humeral head. An anatomical study. *J Bone Joint Surg Am* 72: 1486–1494
13. Gierer P, Simon C, Gradl G et al. (2006) Die Humeruskopf-mehrfragmentfraktur-Versorgung mit einer Prothese? *Orthopäde* 35: 834–840
14. Habermeyer P, Magošch P (2006) Frakturprothetik. In: Lill H (Hrsg) Die proximale Humerusfraktur. Thieme, Stuttgart New York, S 135–162
15. Heers G, Torchia ME (2001) Shoulder hemiarthroplasty in proximal humeral fractures. *Orthopäde* 30: 386–394
16. Hempfing A, Leunig M, Ballmer FT, Hertel R (2001) Surgical landmarks to determine humeral head retractorion for hemiarthroplasty in fractures. *J Shoulder Elbow Surg* 10: 460–463
17. Hertel R, Hempfing A, Stiehler M, Leunig M (2004) Predictors of humeral head ischemia after intracapsular fracture of the proximal humerus. *J Shoulder Elbow Surg* 13: 427–433
18. Hertel R (2005) Fractures of proximal humerus in osteoporotic bone. *Osteoporos Int* 16: 65–72
19. Hessmann MH, Rommens PM (2001) Osteosynthesetechniken bei der proximalen Humerusfraktur. *Chirurg* 72: 1235–1245
20. Kralinger F, Schwaiger R, Wambacher M et al. (2004) Outcome after primary hemiarthroplasty for fracture of the head of the humerus. *J Bone Joint Surg Br* 86: 217–219
21. Kwon YW, Zuckerman JD (2005) Outcome after treatment of proximal humeral fractures with humeral head replacement. *Instr Course Lect* 54: 363–369
22. Langdon AH, Estes WJ, Murray CA, Friedman RJ (1998) Shoulder arthroplasty for proximal humeral fractures. *Orthop Clin North Am* 29: 467–475
23. Levy J, Frankle M, Mighell M, Pupella D (2007) The use of the reverse shoulder prosthesis for the treatment of failed hemiarthroplasty for proximal humeral fracture. *J Bone Joint Surg Am* 89: 292–300
24. Lill H, Voigt C (2006) Humeral shoulder fractureprosthesis. OP-Video, Arthrex, Karlsfeld, Germany
25. Loeenberg MI, Jones DA, Zuckerman JD (2005) The effect of greater tuberosity placement on active range of motion after hemiarthroplasty for acute fractures of the proximal humerus. *Bull Hosp Joint Dis* 62: 90–93
26. Marquass B, Hepp P, Voigt C (2006) Grundlagen. In: Lill H (Hrsg) Die proximale Humerusfraktur. Thieme, Stuttgart New York, S 1–14
27. Meyer C, Alt V, Hassanin H et al. (2005) The arteries of the humeral head and their relevance in fracture treatment. *Surg Radiol Anat* 27: 232–237
28. Mighell MA, Kolm GP, Collinge CA, Frankle MA (2003) Outcomes of hemiarthroplasty for fractures of the proximal humerus. *J Shoulder Elbow Surg* 12: 569–577
29. Misra A, Kapur R, Maffulli N (2001) Complex proximal humeral fractures in adults – a systematic review of management. *Injury* 32: 363–372
30. Moskal MJ, Campbell B, Smith KL, Matsen FA III (1999) A radiographic analysis of 122 failed shoulder arthroplasties. Presented at: American Academy of Orthopaedic Surgeons 66th Annual Proceedings, Anaheim/CA, USA
31. Murachovsky J, Ikemoto RY, Nascimento LG et al. (2006) Pectoralis major tendon reference (PMT): a new method for accurate restoration of humeral length with hemiarthroplasty for fracture. *J Shoulder Elbow Surg* 15: 675–678
32. Norris TR, Green A, McGuigan FX (1995) Late prosthetic shoulder arthroplasty for displaced proximal humerus fractures. *J Shoulder Elbow Surg* 4: 271–280
33. Phipatanakul WP, Norris TR (2005) Indications for prosthetic replacement in proximal humeral fractures. *Instr Course Lect* 54: 357–362
34. Plausinis D, Kwon YW, Zuckerman JD (2005) Complications of humeral head replacement for proximal humeral fractures. *Instr Course Lect* 54: 371–380
35. Prakash U, McGurty DW, Dent JA (2002) Hemiarthroplasty for severe fractures of the proximal humerus. *J Shoulder Elbow Surg* 11: 428–430
36. Rockwood CA, Matsen FA (1998) The shoulder, 2nd edn. Saunders, Philadelphia
37. Voigt C, Lill H (2006) Indikation zur Operation und operative Differenzialtherapie. In: Lill H (Hrsg) Die proximale Humerusfraktur. Thieme, Stuttgart New York, S 135–162
38. Walch G, Boileau P, Mole D (eds) (2001) 2000 Prosthesis d'Épaulle reculé de 2 à 10 ans. Sauramps Medical, Montpellier

Orthopäde 2007 · 36:1012
 DOI 10.1007/s00132-007-1173-5
 Online publiziert: 1. November 2007
 © Springer Medizin Verlag 2007

R. Putz · H. Mühlhofer · Y. Ercan
 Anatomische Anstalt, Ludwig-Maximilians-Universität, München

Bänder des Kniegelenks

Der Orthopäde
 (2007) 36: 612–619

Der Autor macht darauf aufmerksam, dass die Legende zu Abb. 5, S. 617, fehlerhaft ist.

Die Legende lautet korrekt:

Abb. 5 Anheftungsflächen der Kreuzbänder am Femur (*rechts*): **a** Ursprung des Lig. cruciatum anterius, Ansicht der Innenfläche des lateralen Kondylus. **b** Ursprung des Lig. cruciatum posterius, Ansicht der Innenfläche eines medialen Kondylus

Die Bezeichnungen „lateralen“ und „medialen“ sind in der Druckfassung leider vertauscht.

Korrespondenzadresse

Prof. Dr. R. Putz
 Anatomische Anstalt,
 Ludwig-Maximilians-Universität,
 Pettenkoferstraße 11, 80336 München
 reinhard.putz@med.uni-muenchen.de

Die Online-Version des Originalartikels können Sie unter <http://dx.doi.org/10.1007/s00132-007-1108-1> finden.