

Guest editorial

Hip resurfacing: expectations and limitations

727 *P T J Spierings***Original papers**

58-year follow-up of a vitallium mold hip arthroplasty: A case report and literature review

731 *J R Northover and M Maqsood*

Metal-on-metal hip resurfacing arthroplasty: A review of periprosthetic biological reactions

734 *G Mabilieu, Y-M Kwon, H Pandit, D W Murray, and A Sabokbar*

Limited range of motion of hip resurfacing arthroplasty due to unfavorable ratio of prosthetic head size and femoral neck diameter

748 *D Kluess, C Zietz, T Lindner, W Mittelmeier, K-P Schmitz, and R Bader*

Less range of motion with resurfacing arthroplasty than with total hip arthroplasty: In vitro examination of 8 designs

755 *B C Bengs, S N Sangiorgio, and E Ebranzadeh*

Avascular necrosis and subsequent femoral neck fracture 3.5 years after hip resurfacing: a highly unusual late complication in the absence of risk factors—a case report

763 *S Lazarinis, J Milbrink, and N P Hailer*

Implant survival after primary total hip arthroplasty due to childhood hip disorders: Results from the Danish Hip Arthroplasty Registry

769 *T M Thillemann, A B Pedersen, S P Johnsen, and K Søballe*

Comparison of the minimally invasive and ilioinguinal approaches for periacetabular osteotomy: 263 single-surgeon procedures in well-defined study groups

777 *A Troelsen, B Elmengaard, and K Søballe*

Accuracy of imageless stem navigation during simulated total hip arthroplasty

785 *T Renkawitz, E Sendtner, J Grifka, and T Kalteis*

Reduced variability in cup positioning: the direct anterior surgical approach using navigation

789 *M Nogler, E Mayr, M Krismer, and M Thaler*

Post-thrombotic syndrome after total hip arthroplasty is uncommon

794 *M J Mant, D T Eurich, D B Russell, and S R Majumdar*

Local anesthetics after total knee arthroplasty: intraarticular or extraarticular administration? A randomized, double-blind, placebo-controlled study

800 *L Ø Andersen, B B Kristensen, H Husted, K S Otte, and H Kehlet*

A compression bandage improves local infiltration analgesia in total knee arthroplasty

806 *L Ø Andersen, H Husted, K S Otte, B B Kristensen, and H Kehlet*

Knee replacement: epidemiology, outcomes, and trends in Southern California: 17,080 replacements from 1995 through 2004

812 *M Khatod, M Inacio, E W Paxton, S A Bini, R S Namba, R J Burchette, D C Fithian*

Levels of systemic metal ions in patients with intramedullary nails

820 *M S Patton, T D B Lyon, and G P Ashcroft*

Performance of bone cements: Are current preclinical specifications adequate?

826 *M Nottrott, A O Mølster, I O Moldestad, W R Walsh, and N R Gjerdet*

Update on UHMWPE research: From the bench to the bedside

832 *E Gomez-Barrena, J-A Puertolas, L Mumuera, and Y T Konttinen*

Ceramic bone graft substitute with equine bone protein extract is comparable to allograft in terms of implant fixation: A study in dogs

841 *J Baas, B Elmengaard, J Bechtold, X Chen, and K Søballe*

In vitro testing of chitosan in gentamicin-loaded bone cement: No antimicrobial effect and reduced mechanical performance

851 *N Dunne, F Buchanan, J Hill, C Newe, M Tunney, A Brady, and G Walker*

Osteosarcoma in Finland from 1971 through 1990: A nationwide study of epidemiology and outcome

861 *M M Sampo, M Tarkkanen, A H Kivioja, M H Taskinen, R Sankila, and T O Böhling***Case report**

Partial physeal arrest after temporary transphyseal pinning—a case report

867 *J Horn, L Pål Kristiansen, and H Steen***Correspondence**

Efficacy of antibiotic-impregnated cement in total hip replacement

870 *X-Z Cai, X-Z Chen and S-G Yan versus J Parvizi, K Saleh, M Mont*

C-reactive protein levels for early detection of postoperative infection after fracture surgery in 787 patients

873 *S G Kini, and P M Vonnum and J-Y Jenny versus M Neumaier and M A Scherer***Information to authors**

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