

Medical Device Surveillance and Assessment (MDSA)

Unit of Clinical Analysis

Newsletter



Upcoming Conferences Highlighting Medical Device Research Findings

We are pleased to announce that **19** projects are being recognized as a podium presentation at the following conferences.

AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS

MARCH 2-6
NEW ORLEANS, LA

Anterior Cruciate Ligament Reconstruction Registry

- Risk of Revision and Reoperation after ACL Reconstruction. Comparison of Quadriceps Tendon, Patellar Tendon, and Hamstring Autografts Stratified by Patient Gender and Age: A cohort study of 27,715 Patients. Authors: Maletis GB, Prentice HA, Reyes C, Lehman CR, Mansfield C, Yang JS

Spine

- Rates and Risk of Reoperation in Laminoplasty versus Laminectomy/Fusion for Multilevel Posterior Cervical Spine Surgery: A Cohort Study of 4,412 (**Top Paper Award Winner!**). Authors: Yacob A, Prentice HA, Piple AS, Harris JE, Kuo C, Norheim EP, Hariri OR, Tabaraee E

Total Hip Arthroplasty

- Triple Taper Stems in Obese THA Patients: Complication and Revision Rates from a U.S. Registry. Authors: Sambare TD, Royse KE, Son SJ, Fasig BH, Paxton EW, Eisemon E, Kelly MP
- Enhanced fixation surfaces do not improve acetabular cup survivorship in primary THA. Authors: Kelly MP, Chang RN, Prentice HA, Fasig BH, Battenberg AK, Paxton EW
- Similar jumbo head vs. dual mobility construct survivorship in primary total hip arthroplasty: US healthcare registry. Authors: Chen F, Prentice HA, Fasig BH, Paxton EW, Khatod M, Okike K

Total Knee Arthroplasty

- Does antioxidant-loaded highly crosslinked polyethylene reduce revision risk in total knee arthroplasty: A US-based cohort study. Authors: Prentice HA, Chan PH, Chang RN, Fasig BH, Kelly MP, Hinman AD, Kurtz SM, Paxton EW

Total Shoulder Arthroplasty

- Uncemented Humeral Stems are a Safe Alternative to Cemented Stems in Reverse TSA for Proximal Humerus Fractures: A Large Comparative Cohort, Registry Based Study. Authors: Chauhan A, Chang RN, Prentice HA, Cruz JR, McQueen P, Paxton EW, Navarro RA, Koyonos L

INTERNATIONAL SOCIETY OF ARTHROPLASTY REGISTRIES

MAY 30-JUNE 1
LUND, SWEDEN

Total Hip Arthroplasty

- Triple Taper Stems in Obese THA Patients: Complication and Revision Rates from a U.S. Registry. Authors: Sambare TD, Royse KE, Son SJ, Fasig BH, Paxton EW, Eisemon E, Kelly MP
- Post-market surveillance of total hip arthroplasty implant systems in a US integrated healthcare system. Authors: Paxton EW, Chan PH, Fasig BH, Grimsrud CD, Reddy NC, Kelly MP, Prentice HA

- Dual mobility vs. jumbo head (≥ 40 mm) following primary total hip arthroplasty: A registry-based cohort study. Authors: Chen F, Prentice HA, Fasig BH, Paxton EW, Khatod M, Okike K
- Enhanced fixation surfaces do not improve acetabular cup survivorship in primary total hip arthroplasty. Authors: Kelly MP, Chang RN, Prentice HA, Fasig BH, Battenberg AK, Paxton EW

Total Knee Arthroplasty

- Post-market surveillance of total knee arthroplasty implant systems in a US integrated healthcare system. Authors: Paxton EW, Chan PH, Fasig BH, Grimsrud CD, Reddy NC, Kelly MP, Prentice HA
- Does antioxidant-loaded highly crosslinked polyethylene reduce revision risk in total knee arthroplasty: A US-based cohort study. Authors: Prentice HA, Chan PH, Chang RN, Fasig BH, Kelly MP, Hinman AD, Kurtz SM, Paxton EW

Total Shoulder Arthroplasty

- Stemless versus stemmed humeral components in anatomic total shoulder arthroplasty: A comparison of complications and revision rates utilizing a United States-based shoulder arthroplasty registry. Authors: Khan AZ, Royse KE, Cruz JR, Yian EH, Budge, Orvets ND, Yang JS, Paxton EW, Garcia IA
- Registry-based post-market surveillance of anatomic total shoulder arthroplasty implant performance. Authors: Prentice HA, Chang RN, Chan PH, Cruz JR, Yian EH, Singh A, Garcia I, Navarro RA, Paxton EW
- Registry-based post-market surveillance of reverse total shoulder arthroplasty implant performance. Authors: Prentice HA, Chang RN, Chan PH, Cruz JR, Yian EH, Singh A, Garcia I, Navarro RA, Paxton EW
- No difference in revision risk observed following primary elective reverse total shoulder arthroplasty with a recalled Exactech Equinox device: A US-based cohort study. Authors: Prentice HA, Chang RN, Yian EH, Navarro RA, Singh A, Chan DP, Ding D, Elwell J, DeGrasse J, Roche C, Paxton EW
- Higher revision risk after Exactech Equinox anatomic total shoulder arthroplasty: A US-based cohort study. Authors: Prentice HA, Chang RN, Yian EH, Navarro RA, Singh A, Chan DP, Ding D, Elwell J, DeGrasse J, Roche C, Paxton EW
- Polyethylene Component in Reverse Total Shoulder Arthroplasty: Does Component Composition Impact Revision Rates in a United States-based shoulder arthroplasty registry? Authors: Khan AZ, Royse KE, Yian EH, Paxton EW, Kurtz S, Garcia IA, Yang JS

If interested in learning more about future research opportunities, please email: KPdeviceassessment@kp.org