## EPRD First Annual Report 2016 on Hip and Knee Arthroplasty Data

The „Endoprothesenregister Deutschland“ [EPRD] was, as its American counterpart AJRR, installed after several years of discussion and development as a combined project of surgeons, clinics, health insurances and producers/distributors of medical devices in 2012. Although the EPRD is still in development, its first report from 2016 describes the actual situation of the main endoprostheses used in Germany. It is a voluntary registry and, therefore, can and will not cover all implantations nationwide. In 2015 it covered roughly a third of all hip and knee joint replacements with 526 clinics and hospitals submitting data. The numbers have increased in 2016 compared to 2015.

In Germany about 400’000 total hip (THA) and knee (TKA) prostheses are implanted, ca. 210’000 primary and 27’000 revision THA, 131’000 primary and 18’000 revision TKA per year. 78% of all prostheses were implanted without cement; the percentage being 92% for cups. The most widely used bearings in THA were 86% with a ceramic component; 58% with 32mm and 33% with 36mm.

Revisions for both types of implants were steadily increasing although the implantation numbers are stagnant. As in other registries the most common cause for revision of a primary THA was aseptic loosening of one or more components of an implant system (41%), decreasing over the last 3 years by almost 10%. The incidence of PJ-induced revisions has increased by 5% (15.6%) although this may be the result of better diagnostics. Dislocation and periprosthetic fractures were both also increasing, being the cause of revision in around 10% of cases, while implant wear was a cause in 7%.