



Leading Research

Since 2007 we've collected **6,000** components from **25** countries and published **70** papers with **150** co-authors. We presented **25** papers this year at the AAOS and ORS meetings, Las Vegas.

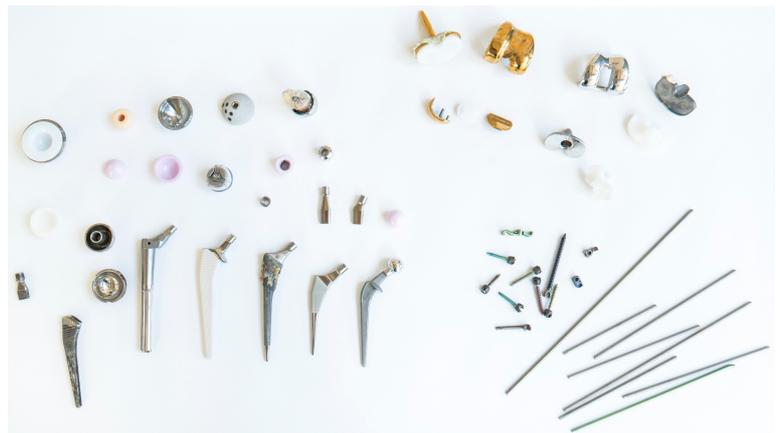
Patient Engagement

We are continuing our open days for patients that have had revision surgery. In the past, these have been well attended and helped to educate patients about why their implant failed.

The next open days are planned for: Thursday **18th June** and in **October 2015**.

Registry-Retrieval Linkage

Our recently published study validating the National Joint Registry (NJR) against the LIRC database showed that the data collected is accurate but many procedures are missing from the NJR database. Only 60.9% procedures were present on both databases. While unlikely to change overall joint performance findings, this may affect surgeon and hospital reported data.



Spine, Hip, Knee...

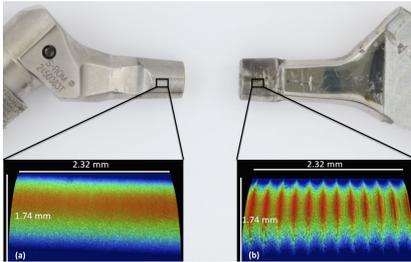
At the LIRC we are continuing our work in understanding failure in metal-on-metal **hip** replacements. We have also expanded to investigating other material combinations: ceramics, coatings and polyethylene. At the beginning of the year, we also launched **knee** and **spinal** implant retrieval programs.

We have added an FTIR machine to our state-of-the-art metrology department to analyse retrieved polyethylene samples. This was made possible through funding from the Endoclinic Orthopaedic Hospital in Hamburg, Germany.

If you, or one of your colleagues, may be interested in joining these growing programs, please get in touch.



We recommend long and smooth tapers



*In vitro*¹ and retrieval findings² from our centre have been the first to show the long and smooth stem trunnions minimise the risk of damage at the taper junction surface.

¹Panagiotidou et al. 2013. J Orth Res, 31(12): 2032-9.

²Hothi et al. 2015. IMechE Part H, Vol 229(i): 91-97.

Our top 3 most popular papers

The painful metal-on-metal hip resurfacing Hart, Sabah, Henckel, Lewis, Cobb, Sampson, Mitchell, Skinner (2009) JBJS-Br. **145** Citations

Pseudotumors in association with well-functioning metal-on-metal hip prostheses: A case-control study using three-dimensional computed tomography and magnetic resonance imaging Hart, Satchitananda, Liddle, Sabah, McRobbie, Henckel, Cobb, (2012) JBJS-Am. **113** Citations

Sensitivity and specificity of blood cobalt and chromium metal ions for predicting failure of metal-on-metal hip replacement Hart et al. (2011) JBJS-Br. **105** Citations

Collaborate with us

If you are interested in

Recent Visitors

During the first half of 2015 we have already welcomed several notable visitors. These include:

The ABC Travelling Fellows

The European Fellows

Daniel Kendoff,

Associate Professor at

ENDO-Klinik in Hamburg, Germany (pictured right)

Jeremy Gilbert (pictured left), Professor of Biomaterials at Syracuse University and Editor-in-Chief of J. Biomed Mat Res

Luigi Zagra, Chief of the Hip Department at Istituto Ortopedico Galeazzi IRCSS, Milan, Italy



Global Retrieval Programs

Our independent ASR retrieval program has been a fantastic success, with over 1700 hips recruited. Similarly we are making very good progress as the global retrieval centre for the recalled Stryker Rejuvenate and ABG II modular neck hips; we will present our findings at a number of upcoming conferences.

Upcoming Conferences

We have submitted, in total, over 20 abstracts to BHS/SIDA 2015 (Milan, Italy), AAHKS 2015 (Dallas, Texas) and AAOS 2015 (Orlando, Florida). We hope to see you there!

Should Hip Implants be Followed-up?

Royal National Orthopaedic Hospital 
NHS Trust



Meeting Venue
The Royal College of Surgeons
35-43 Lincoln's Inn Field
London, WC2A 3PE

Friday 25th September 2015

**REGISTER BEFORE FRIDAY
4th SEPT @ EARLY BIRD RATES**

**6 CPD
CREDITS**