



Professor Andrew D. Toms, Consultant Orthopaedic Surgeon

RESEARCH: AWARDS AND GRANTS

KReBS Knee Study.
York Trials Unit. 2017. (PI)

Arthritis UK Medical technology grant.
TOKA study.
£98,043 2 year term. Clinical lead 2016.

Master Services Agreement. Stryker Research 5 year programme grant £1,000,000.
Lead. 2016.

OA Tech + network community EPSRC grant (EP/N027264/1).
5 year award £1,186,387.
Co-applicant with Professor Holt 2015-2020.

National Institute of Health Research HS&DR project 14/70/146.
Pathways for THR and TKR post surgery follow-up.
Co-applicant with M. Stone. 2015.

South West AHSN health enterprise programme grant for Osteotomy project. 2015.

MSK Research Consortium GW4. 2015.

Research for Patient Benefit submission – approved 2014.
KFORT study. Co-applicant.

Prospective 3 stage project into postoperative delirium in TKR.
Study lead. Small grant funding. Awarded 2014.

NIHR STAR project. Pain after TKR.
Co-worker and CI with Professor Blom. RP-PG-061320001. 2014.

Microscale mechanics and chemistry of articular cartilage.
Arthritis Research UK (Ref. 20714).
Co-applicant with Professor Winlove. Awarded 2014.

National Joint Registry Data request approved (Ref. 1699911).
The epidemiological and financial burden of revision total knee arthroplasty.
G. Pavolou, R. Mujica-Mota, A.D. Toms.

NIHR submission: assessment of multisite pain as a predictor of TKR outcome.
Co-worker with V. Wylde.

European Centre for Knee Research.
Analysis of the effect of Augment size in Revision Knee Replacement.
A finite element study. Smith & Nephew funded study.



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Small Grants Funding

Tenease: A randomised controlled trial of a new vibration therapy.

Radio Frequency Chondroplasty: The effects on articular cartilage and subchondral bone.

Functional Assessment of Knee Outcomes.

Arthritis Research UK Grant.

Characterisation of properties of the superficial zone of articular cartilage.

Reference 19432.

Co-applicant with Professor Winlove.

NIHR INFORM project. Periprosthetic Joint Infection: diagnosis and treatment..

Co-applicant and CI with Professor Blom. RP-PG-1210-12005. 2010.

Devon Arthritis and Allied Research Grant.

Radio Frequency Chondroplasty: The effects on articular cartilage and subchondral bone.

Co-applicant with Professor Winlove.

College of Radiographers Industry Partnership Scheme.

Post Traumatic and Post Surgical Disuse Osteopenia.

Development and testing of Knee Impaction Bone Grafting Instrumentation.

Depuy / Johnson & Johnson.

5 year project term.

Development and testing of materials for mesh repair - osteocompatibility and cell growth.

Depuy / Johnson & Johnson.

1 year project term.

Analysis of diaphyseal reconstruction techniques and femoral stem types.

Stryker / Howmedica.

1 year project term.

Finite element analysis study of distal femoral stress.

Bradford University in conjunction with Depuy / Johnson & Johnson.

1 year term.

Research Fellow Position.

University of British Columbia.

1 year term £15 000.

British Association of Knee Surgery.

Research Award.



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£2 000.

Royal College of Surgeons of Edinburgh.
Research Award.

£3 000.

Analysis of femoral impaction bone grafting – assessment of a new technique.

Zimmer.
\$60,000.