







ODEP is the Orthopedic Data
Evaluation Panel. This panel provides
the NHS with an approved list of prostheses
that meet the revision rate standard at 10 years
set out in NICE guidance and which are suitable for
use in total knee arthroplasty.

The UK National Institute of Healthcare and Clinical Excellence (NICE) prepared guidelines and summary recommendations on the use of hip replacements. ODEP was formed to benchmark NICE recommendations. These recommendations, published in 2000, stated that surgeons should only use devices which had published data, demonstrating a minimum 95% survivorship at ten years.

Implant manufacturers are invited to submit data regarding their orthopaedic implant products to ODEP. The Panel reviews this submission and rates the strength of the evidence presented by the manufacturer, resulting in the award of an ODEP rating. Only products that demonstrate compliance with NICE guidance will be awarded a rating.

Whilst the NICE benchmark is set at measuring performance after ten years, products need to be tracking to achieve the ten year benchmark, but do not need to have ten years of data in order to achieve a rating.

An ODEP Rating consists of a NUMBER and a LETTER, and a STAR (optional). The number represents the number of years for which the product's performance has been evidenced. The letter represents the strength of evidence (data) presented by the manufacturer.

The ODEP rating is now a commonly used benchmark used not only in the UK but globally.

ODEP ratings for total knee replacements represents the maximum survival years achieved by an unchanged knee design.

It is with a great sense of pride that we are happy to report the award of a 10A ODEP rating for our aMP™ Medial Pivot total knee replacement.

aMP[™] awarded with 10A ODEP rating

Since the launch of the Advance® Medial Pivot (aMP™) in 1998, outcomes have been tracked with 15 year follow up now existing for function & survival¹. The ODEP panel has reviewed our submission of survival and outcome data at 10 years¹ for the aMP™ demonstrating a survival rate of over 96%.

There is an extensive dossier of enhanced patient outcomes beyond minimal survival & function requirements, demonstrating how design can generate near normal kinematic function and enhanced stability.

For MicroPort, the 10A ODEP rating represents an introduction to an extensive dossier of published functional & enhanced patient related outcomes:

- Enhanced patient outcome function through normal kinematic characteristics ^{2,3}
- Patient preferred function & higher patient satisfaction compared to other traditional knee systems⁴
- Lower wear characteristics 5-9

The latest ODEP ratings can be found at www.odep.org.uk



Integrity In Motion™

References:

¹ A ten to fifteen years clinical outcome study of ADVANCE Medial-Pivot Knee arthroplasty

Th. Karachalios; K. Bargiotas

Abstract presented at the 2015 European Federation of National Associations of Orthopaedics and Traumatology conference, EFORT 27-29 May 2015, Prague, Czech Republic

^{2.} Kinematics of the Human Knee Using an Open Chain Cadaver Model

J. David Blaha, MD; Corrie A. Mancinelli, PHD; William H. Simons, PHD; Vincent L. Kish, AS; Ganesh Thyagarajan, MS Clinical Orthopaedics and Related Research, Number 410, May 2003

3. Fluoroscopic Analyses of Cruciate – Retaining and Medial-Pivot Knee Implants

Robert Schmidt, MD; Richard D. Komistek, PHD; J. David Blaha, MD; Brad L. Penenberg, MD; William J. Maloney, MD Clinical Orthopedics and Related Research, Number 410, May 2003

⁴ Patients Prefer a Bicruciate-Retaining or the Medial-Pivot Total Knee Prosthesis

James W. Pritchett, MD

Journal of Arthroplasty. Volume 26, Issue 2, February 2011, Pages 224–228

5. In Vivo Analysis of Polyethlene Wear Particles After TKA: The Influence of Improved Materials & Design

Yukihide Minoda, MD, PhD; Akio Kobayashi, MD, PhD; Hiroyoshi Iwaki, MD, PhD; Kentarou Iwakiri, MD, PhD; Fumiaki Inori, MD, PhD; Ryo Sugama, MD, PhD; Mitsuhiko Ikebuchi, MD; Yoshinori Kadoya, MD, PhD; Kunio Takaoka, MD, PhD

Journal of Bone & Joint Surgery. 2009 Nov 01; 91 (Supplement 6): 67 -73

6 The influence of design, materials and kinematics on the in vivo wear of total knee replacements

H.M.J. McEwena, P.I. Barnetta, C.J. Bella, R. Farrarb, D.D. Augerc, M.H. Stoned, j. Fisher Journal of Biomechanics. 38 (2005) 357–365

7- Difference in wear between load and displacement control tested in total knee replacements

T. Schwenke, D. Orozco, E. Schneider, M.A. Wimmer

Wear. Volume 267, Issues 5-8, 15 June 2009, Pages 757-762

8. Metrology to Quantify wear and creep of polyethylene tibial knee inserts

Muratoglu, Orhun K. PhD; Perinchief, Rebecca S. BS; Bragdon, Charles R. BS; O'Connor, Daniel O. AS; Konrad, Reto BS; Harris, William H. MD

Clinical Orthopaedics & Related Research. May 2003 - Volume 410 - Issue - pp 155-164

9. Polyethylene wear particles in synovial fluid after total knee arthroplasty

Yukihide Minoda, MD; Akio Kobayashi, MD, PhD; Hiroyoshi Iwaki, MD, PhD; Masatsugu Miyaguchi, MD, PhD; Yoshinori Kadoya, MD, PhD; Hirotsugu Ohashi, MD, PhD; Yoshiki Yamano, MD, PhD; and Kunio Takaoka, MD, PhD Clinical Orthopaedics & Related Research. Number 410, pp. 165–172



Integrity In Motion™

MicroPort Orthopedics Inc. 5677 Airline Road Arlington, TN USA 38002 866.872.0211 MicroPort Orthopedics BV Hoogoorddreef 5 1101 BA Amsterdam The Netherlands

ortho.microport.com