Simple, Proven Instrumentation

The ADEPT® is provided with simple and clear instrumentation based on the longest experience in the industry of resurfacing technology and instrumentation, to give confidence to the surgeon and patient. The development of hip resurfacing with MatOrtho® Finsbury since 1990 has seen the evolution of the instrument platform to create the most accurate and reproducible results for all surgeons.

Simple, reliable cup alignment technique with instrumentation specifically designed to achieve optimum cup inclination for ROM without impingement and to avoid ‘runaway’ edge wear to extend the life of the device.

Optimised sizing and preparation tools.

Safe head cement pressurisation ensures proper seating of the cemented component without weakening femoral bone that can lead to necrosis.

Low-profile cup introduction with introducer mechanism fully external to the cup bearing so the surgeon can see the cup rim when implanting.

Simple, reliable neck centring devices to reduce the likelihood of notching and to achieve optimum head and cup sizes for the individual patient.

Simple, Proven Instrumentation

11. Latest GEFIT ratings can be found at www.cup.org.uk.
ADEPT® Hip Resurfacing System

First Class Clinical Data

The ADEPT® Hip Resurfacing System is provided as a bone conserving, early intervention option to meet the demands of active patients likely to outlive a conventional THR. For these patients, hip resurfacing arthroplasty enables a return to normal activity and sports\(^\text{1}\) with overall comparable survivorship rates to THR\(^\text{4}\) and with future interventional options maintained\(^\text{\&}\).

Metal on metal hip replacement bearings have a successful heritage of over 50 years\(^\text{6}\). The ADEPT® was built on knowledge accumulated by the world’s leading resurfacing manufacturer, following analysis of long-term retrievals data for devices such as the Ring and McKee-Farrar designs and development and manufacture of the McMinn hip and the BHR. The ADEPT® was developed as an evolutionary step forward for those devices.

In clinical use worldwide since 2004 and with over 10 years of data, the results for the ADEPT® are first class: the ADEPT® has the lowest revision rates of all resurfacing devices reported by the Australian National Joint Replacement Registry (3.5% at 7 years)\(^\text{\&}\), comparable rates to the BHR in the NJR\(^\text{10}\) and has an ODEP TOA rating\(^\text{11}\).

Optimised Design

Proven long-term fixation with as-cast beaded fixation surface and hydroxyapatite coating to promote bone in-growth.

Thin acetabular cup wall minimising diameter difference between head and cup to permit larger femoral head for greater ROM and bone preservation.

Metallurgy optimised from 1960s ‘As-cast’ cobalt-chrome with same block-carbide structure as long-surviving Ring prostheses for a predictable pattern of reduced wear.

Standard and extra-fixation cup options to allow complex cases to be anatomically restored and easily placed.

Total flexibility and choice with 2mm incremental head and cup sizes and component matching options with as little as 6mm between head and cup diameter – to best achieve the native head diameter and maximise ROM with minimal acetabular reaming for all patients.

Screw options with soft start thread

Superior Function

Instant stability with a full 180° press-fit cup and with large diameter encapsulation for extremely low rates of dislocation.

Low friction, fluid-film lubrication bearing for ease of flexion and a more natural feel than THR.

Constant angle coverage for all sizes avoiding neck impingement and irritation.

Non-concentric head centre for increased ROM and for leg-length correction after reaming acetabulum.

Implant and Sizing Options

Constant angle coverage for all sizes avoiding neck impingement and irritation.

Non-concentric head centre for increased ROM and for leg-length correction after reaming acetabulum.

Total flexibility and choice with 2mm incremental head and cup sizes and component matching options with as little as 6mm between head and cup diameter – to best achieve the native head diameter and maximise ROM with minimal acetabular reaming for all patients.

Screw options with soft start thread