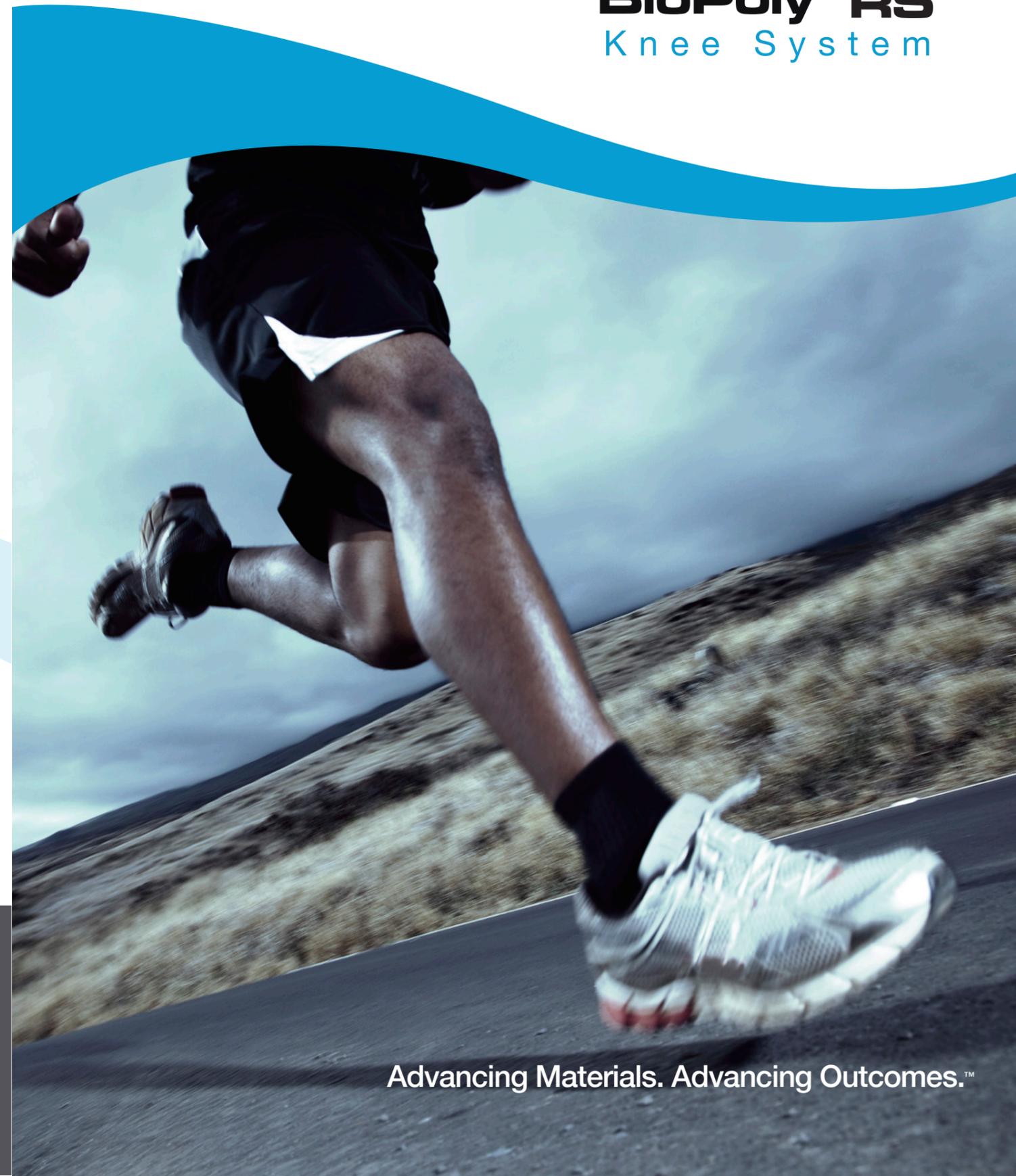


Features & Benefits

HOSPITAL
INNOVATIONS

BioPoly[®] RS
Knee System



Speak to your local Sales Specialist for further information or contact us using the details below:

T: 01443 719 555
E: info@hospitalinnovations.co.uk

www.hospitalinnovations.com

Hospital Innovations Limited
Concept House
Talbot Green Business Park
Pontyclun
CF72 9FG

HOSPITAL
INNOVATIONS

Advancing Materials. Advancing Outcomes.™

BioPoly® RS

Knee System

Description

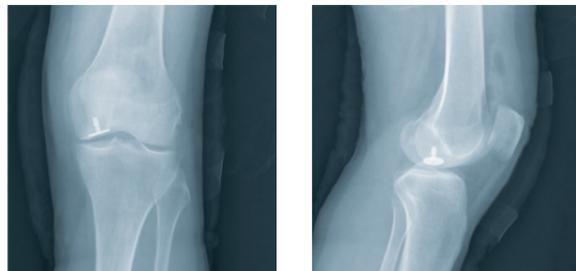
BioPoly® RS is a next generation orthopaedic biomaterial, combining hyaluronic acid (Bio) and ultra high molecular weight polyethylene (Poly). This proprietary material interacts favorably with native tissues and supports anatomical loads.

Indications

The BioPoly® RS implant is intended for the replacement of symptomatic abnormal or severely abnormal (ICRS grade 2, 3 or 4) chondral or osteochondral lesions located in the weight bearing regions of the femoral condyle and trochlear facets.

Clinical Advantages

1. Restoration of a functional articulating surface to arrest mechanical wear and deterioration of the surrounding joint surfaces
2. Allows for immediate weight bearing resulting in rapid rehabilitation and return to activity
3. Preserves patient anatomy by its tissue sparing design
4. A simple, reproducible minimally invasive procedure
5. Can be implanted in an outpatient or ambulatory surgery center
6. Early mobility with limited rehabilitation
7. Clinical results show greatly improved pain and activity levels along with enhanced quality of life



Features

Hyaluronic acid and UHMWPE

Permanent implant

Hydrophilic composite material (water attracting)

Mechanical properties similar to UHMWPE

Synthetic cartilage replacement

Biocompatible

Low wear properties

Titanium grit blasted stem

Simple, intuitive surgical technique

Three size offerings

Benefits

Unique proprietary combination of common orthopaedic materials

The combination of UHMWPE and cross-linked hyaluronic acid creates a non-degradable, non-leaching, oxidatively stable implant

Attracts synovial fluid to the surface, creating a lubricated bearing surface for optimal articulation with cartilage

Allows for immediate weight bearing

Stiffness is similar to native cartilage (BioPoly = 80x stiffer than cartilage vs. Metal = 25,000x stiffer)

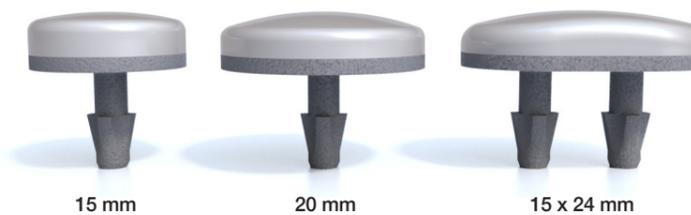
The hyaluronic acid creates a surface that favorably interfaces with surrounding tissue

Bench testing showed less wear than traditional UHMWPE and *in vivo* testing proved no opposing surface wear

Surface finish is optimized for bone ongrowth

Reduced theatre time with reproducible results

Available in 15 mm, 20 mm and 15 x 24 mm sizes to accommodate a variety of cartilage defects (1.8-3.1cm²)



Technology at work for you