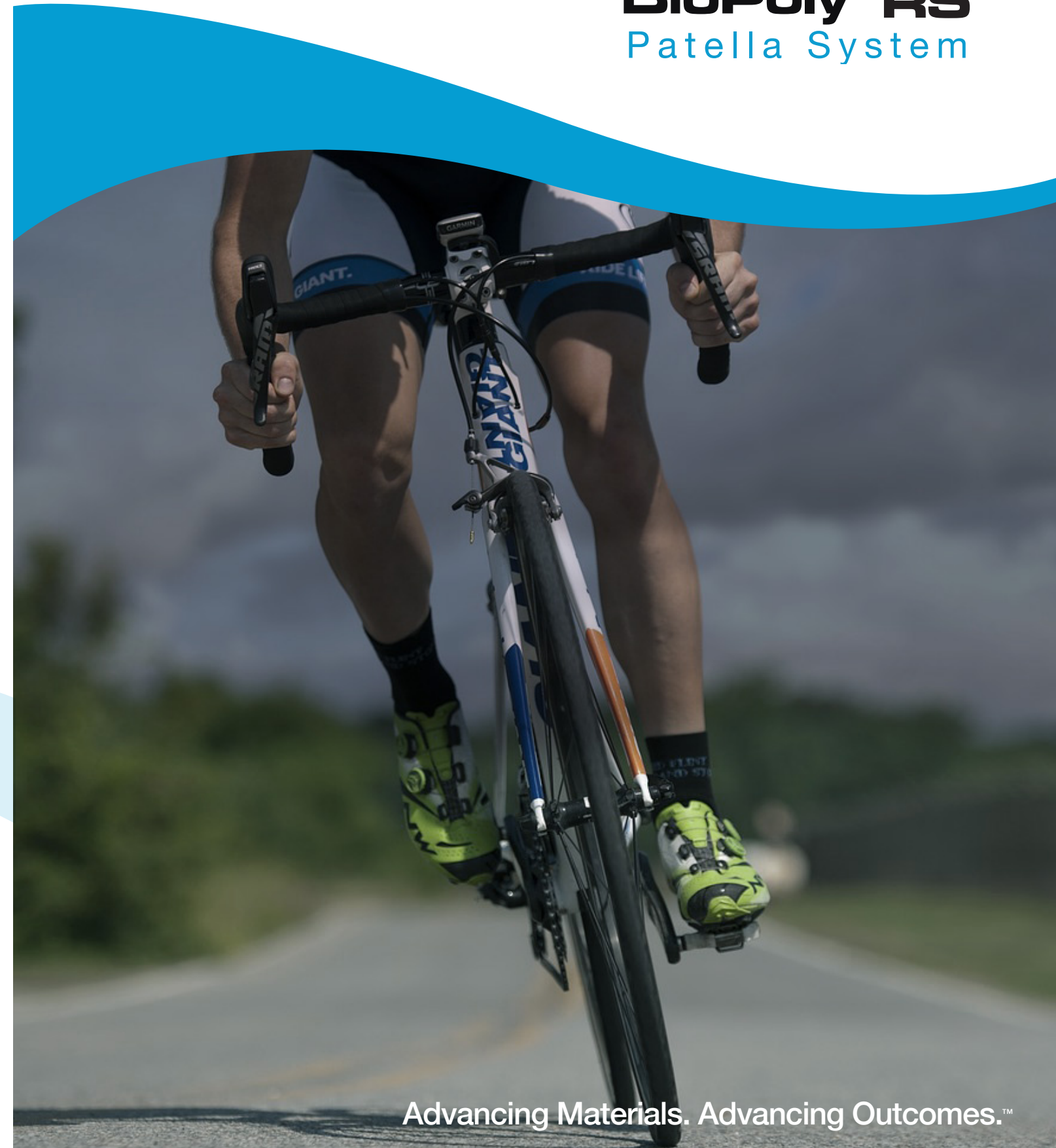


Features & Benefits

BioPoly® RS Patella System



Advancing Materials. Advancing Outcomes.

Manufactured by:
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This Product is covered by US Patent No. 7,662,954,
8,254,886, and other patents pending. Copyright 2011
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Advancing Materials. Advancing Outcomes.™

BioPoly® RS Patella 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

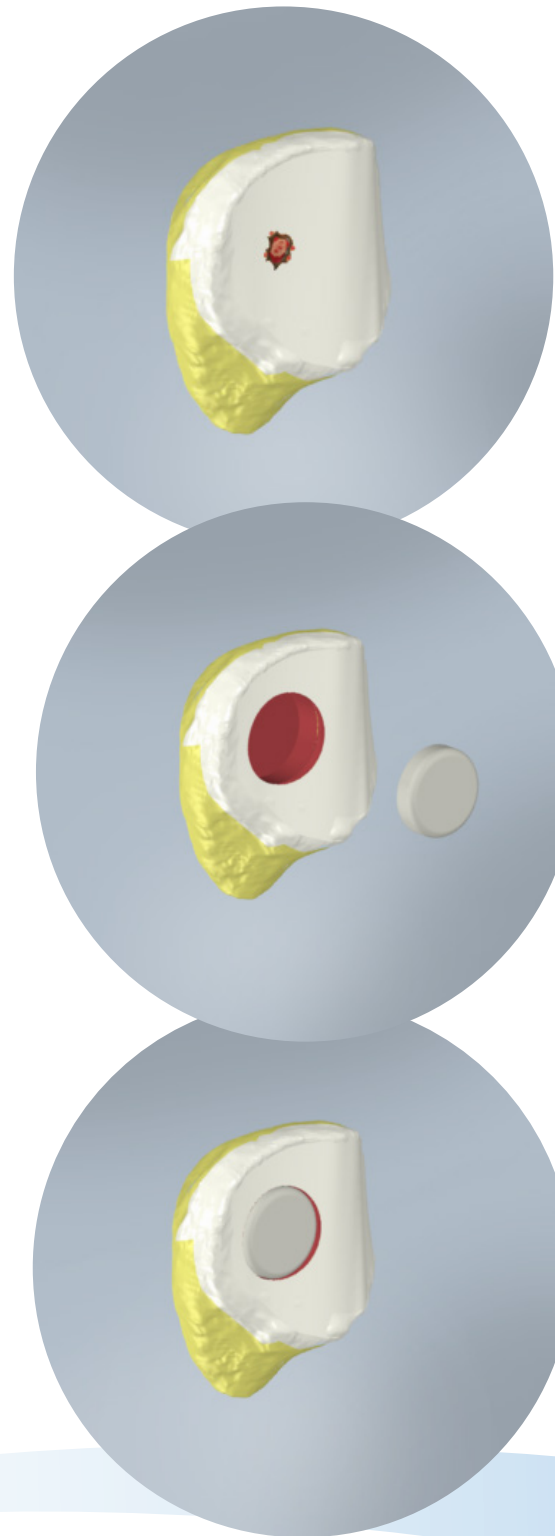
The BioPoly® RS implant is intended for the replacement of symptomatic abnormal or severely abnormal (ICRS grade 2, 3 or 4) chondral or osteochondral lesions located in the medial or lateral facets of the patella.

Clinical Advantages

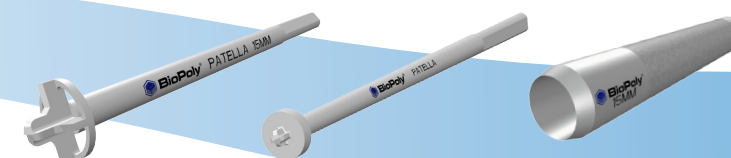
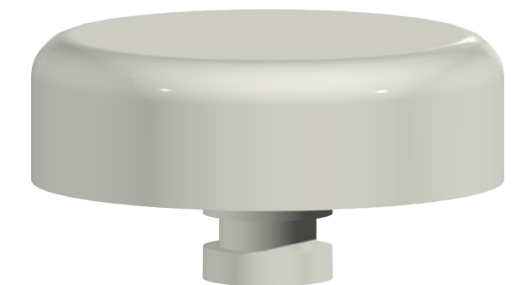
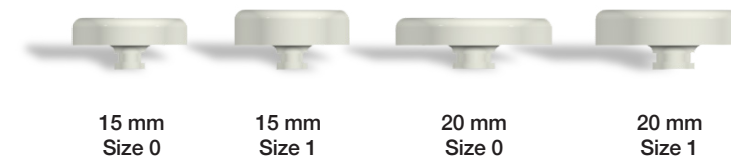
1. Restoration of a functional articulating surface to arrest mechanical wear and deterioration of the surrounding joint surfaces
2. Allows for immediate weight bearing resulting in rapid rehabilitation and return to activity
3. Preserves patient anatomy by its tissue sparing design
4. A simple, reproducible 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



Photo credit:
Mr. Jon Smith MBChB (Hons) MRCS (Ed) FRCS (Tr&Orth)
Leeds, United Kingdom



Features	Benefits
Hyaluronic acid and UHMWPE	Unique proprietary combination of common orthopaedic materials
Permanent implant	The combination of UHMWPE and cross-linked hyaluronic acid creates a non-degradable, non-leaching, oxidatively stable implant
Hydrophilic composite material (water attracting)	Attracts synovial fluid to the surface, creating a lubricated bearing surface for optimal articulation with cartilage
Mechanical properties similar to UHMWPE	Allows for immediate weight bearing
Synthetic cartilage replacement	Stiffness is similar to native cartilage (BioPoly = 80x stiffer than cartilage vs. Metal = 25,000x stiffer)
Biocompatible	The hyaluronic acid creates a surface that favorably interfaces with surrounding tissue
Low wear properties	Bench testing showed less wear than traditional UHMWPE and <i>in vivo</i> testing proved no opposing surface wear
Simple, intuitive surgical technique	Reduced theatre time with reproducible results
Four size offerings	Available in 15 mm and 20 mm diameters and two different thicknesses (size 0 or size 1)



Technology at work for you