Natural Function

TMPR™
Total Metacarpophalangeal Replacement
Based on natural anatomy and MRI studies on a spectrum of adult patients
Ball-and-socket surface replacement
Anatomical joint centre of rotation is maintained with spherical bearing offset palmar-wards
Dorsal groove for the extensor tendon
Flared cams protect collateral ligaments

Fixation design with over 45 years’ clinical heritage
Uncemented interference-fit fixation
Flexible fins mould to the endosteal bone and protect from loosening by absorbing lateral stresses
Fixation extends to mid-shaft to distribute load
Distraction and rotation forces attenuated between the decoupled bearing and fixation interface

In use since 1994 (>20 years)
Intended for degenerative arthritis or limited rheumatoid ulnar drift of the MCP joint
Excellent survivorship, significant improvements in ROM, strength, PEM and satisfaction
Offers patients more dexterity, less pain and less stiffness Restores ability to carry out daily living tasks

Enables all physiological degrees of freedom
Significant increase in post-operative ROM
Full ROM stability and physiological tightening of collateral ligaments in flexion with cam effect
Fully congruent throughout flexion for low wear
Ligament balancing for optimum joint restoration

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