Options for surgical approach with instrumentation supporting a lateral and a dorsal approach

Ligament balancing technique using spacers or trials for optimum implant placement and freedom to move

Sizing and templating instruments for prior assessment of native joint size

Precise preparation instruments for immediate fixation stability and promotion of bone ingrowth to cementless interface

Repeatable technique with measured and guided resections

Designed to provide protection for the soft tissue structures

Advanced instrumentation

6. Flannery O et al. 2015; BSSH, Bahamas.
The PIPR™ is unique in its protection of the bony support for the ligaments and allowance for the combined rotation and angulation in the coronal plane during flexion, where alternative devices have over simplified the PIP joint to a simple hinge.

**More natural function**

- **Single radius design** for optimum ROM with balanced soft tissues
- **Joint space maintained** for restoration of natural function
- **Inherent dorsal-palmer and mediolateral stability**
- **Anatomical bicondylar bearing**
- Permits physiological rotation with flexion, accommodating the orientations of all PIP joints of the hand

**Designed for longevity**

- **Proven materials and articulating couple** with a long heritage of clinical success in joint replacement devices
- **Large area contact maintained for low wear**
- **Fully conforming throughout ROM for maintenance of stability**
- **Press-fit anatomical stem for immediate stability of proximal and distal components**
- **Cementless hydroxyapatite (HA) coated bony interfaces for long term fixation**

**Anatomical fit and sizing**

- **Based on morphological study of normal PIPs** and in-depth study of the anatomy, soft-tissues and biomechanics of the PIP joint
- **Normal functional radii and trapezoidal profile** for natural reproduction of the PIP joint
- **Size range for all the population and all PIP joints of the hand** and cross sizing possible for best fit canal to bearing
- **Anatomical stem geometry for secure fixation with cortical bone**

**Confidence in results**

The PIPR™ has been in clinical use since 2006 with over 700 implanted worldwide. Throughout an extended series followed up at the Wrightington, good outcomes have been maintained. In a published series of 100 implants followed up for a minimum of 2 years, maximum 6 years 5 months, the PIPR™ was shown to achieve:

- **good pain relief**,  
- **improvement in grip strength and function**,  
- for many, it **provides increased ROM**, and  
- **demonstrated low revision rates**, with survivorship of 85% at maximum 6 years 5 months postoperatively.