

Introducing the World's First and Only Smart Knee Implant

PERSONA IQ[®]



Smart

- First-to-world smart knee implant that quantifies or captures objective kinematic data metrics
- The objective kinematic data is an adjunct to other physiological parameter measurements tools applied by the physician throughout the course of patient monitoring and treatment post-surgery

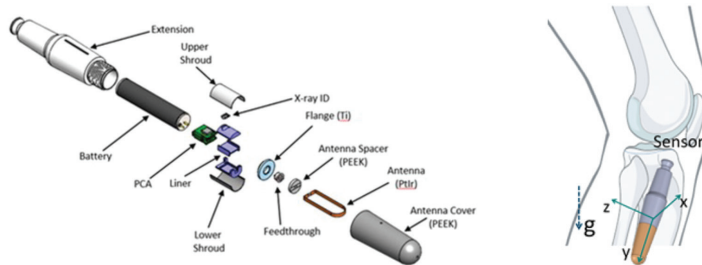
Connected

- Provides a direct view of patient-specific data for at least ten years
- Supports the goal of patient compliance

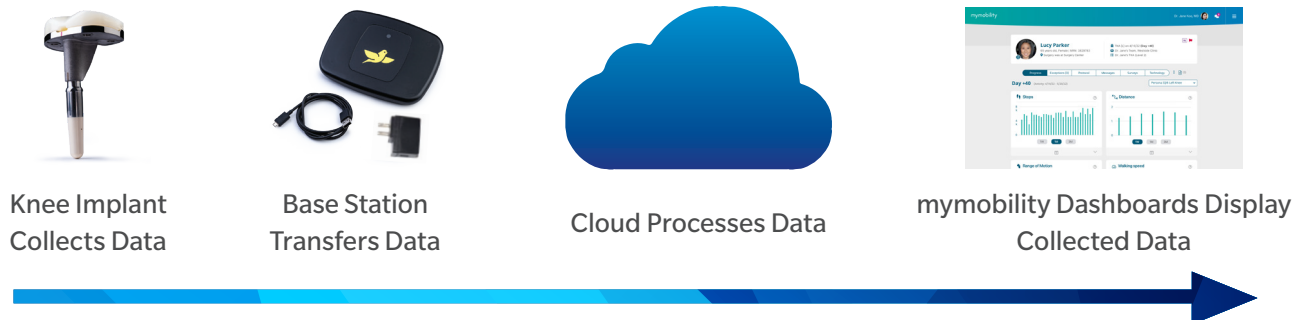
Simple

- The Long term data is accessible on the mymobility[®] Care Management Platform
- Maintains standard Persona Knee surgery workflow and instrumentation

SMART STEM	DATA TRANSMISSION	PHYSIOLOGICAL SENSORS	BATTERY
<ul style="list-style-type: none"> • Titanium & PEEK construction • PEEK allows data transmission 	<ul style="list-style-type: none"> • Secure near-field connection to a base station, with secure wi-fi upload to the cloud 	<ul style="list-style-type: none"> • 3D Accelerometer • Gyroscope 	<ul style="list-style-type: none"> • Lithium carbon-monofluoride chemistry (Li/CFx) • Similar battery technology used in pacemakers



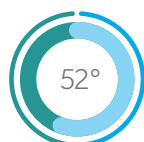
How It Works



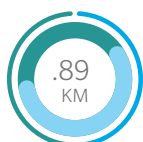
Data Collection



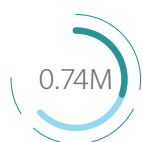
STEP COUNT



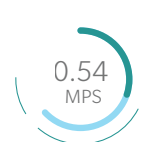
Functional Range of Motion



DISTANCE TRAVELED



STRIDE LENGTH



WALKING SPEED



CADENCE

Modes of Operation

The Persona IQ Smart Knee Implant has five modes of operation. When the implant is not collecting data, it is in a low power mode to conserve battery power. When viewing data, if no values are present during a particular day or period of time, it simply means during this period the implant was not collecting data per its program.

Low-rate mode

- Step counting & activity detection from pedometer (independent of IMU)

Medium rate mode

- Sampling IMU accelerometers and gyroscopes at up to 75 Hz
- Gait parameters are defined through this data

High rate mode

- Sampling IMU accelerometers @ up to 800 Hz

Deep sleep mode

- Battery conservation mode

Standby mode

- Self-test & sensor check and prior to data transmission to Home Base Station

Sampling Mode	Monitoring Periods			Data Collection Duration
Low	7am - 10pm			15 Hrs
Medium	7am - 12pm	1pm - 5pm	6pm - 10pm	Suggest 3 Times/Day 10 sec/window
High	7am - 12pm	1pm - 5pm	6pm - 10pm	Suggest 3 Times/Day 1 sec/window

Sampling Schedule

Day of surgery and day after surgery	Day 2 to Day 365	Year 2	Years 3 and beyond
No data collection	Data is collected daily	36 consecutive days/quarter	36 consecutive days starting on the anniversary of your surgery date

Customer Support: Email: SmartKneeSupport@zimmerbiomet.com | Call: 844-799-8208

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Patients must have Internet access and a text capable mobile device or a compatible smartphone to use mymobility; not all smartphone app features are available with web-based version. Not all patients are candidates for the use of this product and surgeons should evaluate individually to determine which patients are appropriate for therapy at home. ©2022 Zimmer Biomet

WARNING - The kinematic data from this device have not been demonstrated to have clinical benefit. It is not intended to be utilized for clinical decision-making, and no data have been evaluated by FDA regarding clinical benefits.



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