

The smart knee, explained.

What Persona IQ® actually measures, what the data can and can't tell us, and who it's right for.

THE ONE-MINUTE VERSION

If you only read one page, read this.

- Persona IQ® is a standard-design knee implant with a small sensor in the stem — nothing for you to charge or operate.
- It records steps, walking speed, and motion patterns, and shares them securely with your care team.
- Data raises questions early; it never replaces how you feel or an examination.
- For smooth recoveries it can mean fewer routine drives to the office.
- It fits specific cases — a conversation, not an upsell.

DR. SEEM'S PERSPECTIVE

The sensor doesn't make me a better surgeon. It makes your recovery more visible — so when something needs attention, we see it in days instead of weeks. For the right patient that visibility is genuinely valuable; for the wrong one it's just noise. That's why it's a conversation.

— What it is

Persona IQ® is a total knee implant with a small sensor built into the stem of the tibial (shin-bone) component. From the outside — and from the inside, for that matter — your knee replacement looks and works like a standard implant. The difference is that after surgery, it quietly records how the knee is moving and shares that information securely with your care team.

— What it measures

- **Step counts** — how much you're actually walking, day by day.
- **Walking speed and cadence** — how your gait is maturing as you heal.
- **Range-of-motion patterns** — how the knee bends and straightens in real life, not just in the exam room.
- **Trends over time** — the shape of your recovery across weeks and months.

— What it does *not* do

- It does not diagnose problems by itself. Data raises questions; it doesn't answer them.
- It does not replace how you feel, what you report, or a physical examination.
- It does not track your location. It records how the knee moves, not where you go.
- It does not need charging, and there is nothing for you to operate.

— Why objective data helps

Recovery has always been tracked by memory: "How far are you walking?" — "Oh, a fair amount." Memory is generous. Objective data gives you and Dr. Seem a shared, honest picture: if your step counts climb week over week, that's reassurance no questionnaire can match. If the data plateaus when it shouldn't, that's a conversation worth having early — sometimes before you'd have thought to call.

— What it means for your follow-up

For patients recovering well, remote data can support spacing out routine visits — fewer drives for a five-minute "you're doing great." In-person care is always available when you want or need it; the data changes the default, not the access.

— Privacy, plainly

Your data is transmitted securely, is used for your care, and is protected like any other medical record. Ask Dr. Seem anything about this — it's a fair topic, and the answer shouldn't be vague.

— Who it's right for — and who it isn't

The sensor version fits a specific range of implant sizes and cases, and some patients simply prefer not to have one — both are fine. Whether Persona IQ fits you depends on your anatomy, your case, and whether the added information would meaningfully change your care. It's a conversation, not an upsell: the operation, the technique, and the attention are identical either way.

THE HONEST FRAMING

A smart knee is one more source of information in a recovery that is already personal. It makes a good recovery more visible and a struggling one harder to miss. It does not make surgery better — planning, technique, and rehabilitation do that.

RELATED GUIDES IN THIS LIBRARY

- What "robotic surgery" actually means
- Questions to ask any surgeon

— What happens next

If you decide to be seen, the consultation starts with listening — your story, your goals, and what the joint is taking from you. Then an examination, and a review of your imaging together on the screen, so you can see what we see. You'll leave with an honest recommendation and every reasonable option explained — including the option of waiting. Nothing is decided without you.

To schedule: call (540) 667-8975 — Winchester Orthopaedic Associates, 128 Medical Circle, Winchester, VA 22601.



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