

## ConforMIS Customized Knee Replacement

MOHAWK VALLEY ORTHOPEDICS, PC (Dr. Russell Cecil) is proud to offer the latest in customized knee replacement technology - iTotal from ConforMIS. ConforMIS customized knee replacements are designed to match the unique size and shape of each patient's knee.

In traditional knee replacement surgery, the surgeon selects an "off-the-shelf" implant from a range of standard fixed sizes, and then has to make the necessary adjustments to fit the implant to the patient during the procedure. Because these off-the-shelf knee replacements aren't designed to your specific anatomy, surgeons have to compromise on implant fit. This compromise may result in having implant overhang (implant hangs over the bone) or underhang (the implant is too small, leaving the bone exposed and uncovered). It could also result in an implant that isn't aligned properly.

Clinical studies have demonstrated that these compromises on fit can cause residual pain after surgery. ConforMIS designs [partial](#) and [total](#) knee implants to fit the patient, not the other way around. Proven elements of standard knee replacement are combined with proprietary iFit Image-to-Implant® technology to create customized knee implants and surgical instrumentation that are designed to fit your knee's natural shape and curves.

---