



MARY BLACK
HEALTH SYSTEM

PRESS RELEASE

For Immediate Release
April 20, 2009

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Signature Knee Replacement With a Custom Fit

SPARTANBURG, SC -- Mary Black Health System now offers a new knee replacement procedure which features a customized fit. The new Signature System™ uses custom femoral and tibial positioning guides developed from a patient's MRI to create a three-dimensional joint reconstruction, which enables the surgeon to preoperatively plan the patient's knee replacement.

Locally, Mary Black is the only hospital in the county to have the sophisticated software needed to optimize the Signature System™. **Dr. John E. Keith Jr.** an **Orthopedic Surgeon with Orthopedic Specialties of Spartanburg, LLC**, is the key provider in Spartanburg performing this procedure.

“The Signature System™ knee replacement designed by Biomet, a nationally known surgical implement firm, offers patients with an extremely precise, custom fit knee replacement, with greater longevity than other surgical joint replacement procedures,” said Dr. Keith.

“Because each individual person is unique, so too is their individual anatomy ,” said Dr. Keith. “The Signature System offers more femoral size options than other technology,” he added.

“The advanced MRI software at Mary Black allows an orthopedic surgeon access to a much greater level of detail for implant position before the procedure. This allows for personalized positioning and helps with surgical efficiency,” he said.

Is the Signature System a viable option for people who have had prior orthopedic knee surgery but did not achieve optimal results?

“Yes. While each individual case is unique, because the Signature System knee replacement and the MRI technology at Mary Black work in tandem to optimize precision and minimize femoral and tibial anomalies, the new Signature System can be a viable option for many people who are seeking revisions to previous knee surgeries,” he added.

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Mary Black Health System LLC is an integrated delivery system comprised of Mary Black Memorial Hospital, Mary Black Physicians Group, and Mary Black HealthNetwork, Inc.

