

# ENGAGE<sup>®</sup>

## Surgical

Engage<sup>®</sup> Partial Knee System

## Patient Informational Brochure

### Why a Partial Knee?

What if there was a solution that focused solely on treating the diseased area of the knee, the area that was responsible for causing the pain, and that treatment left the other healthy portions intact? What if that same treatment was minimally invasive; and reduced the amount of soft-tissue disruption?

A partial knee replacement may be the solution.

Partial knee procedures allow surgeons to preserve the anterior cruciate and posterior cruciate ligaments to restore a patient's natural knee biomechanics, while using a minimally invasive technique. This targeted surgical approach only replaces the compartment that is affected with arthritic disease to restore patient mobility and quality of life.

### Why Cementless?

Cementless biological fixation takes advantage of the natural healing properties of bone to initiate a process known as osseointegration. Through osseointegration the prosthesis securely and permanently fixates directly into the native bone, without the need for bone cement.

Cementing a traditional knee implant takes extra surgical time and, in some cases, may result in cement errors<sup>3</sup>. One of the most common errors occurs when extra cement breaks free at the bone interface and generates loose foreign debris in the body. In fact, 1 out of 5 traditional partial knee replacements have excess or loose cement floating in the joint<sup>6</sup>. Loose debris accelerates implant wear and causes osteolysis of the bone<sup>2,10</sup>.

Clinical studies of cementless joint replacements have demonstrated a significant time savings in the operating room (OR) over traditional cemented implants<sup>1,3,7,9,11</sup>. This means less time under anesthesia and less exposure to the OR environment.



## Who Can Benefit?

Partial knee replacements have a length-of-stay that is significantly shorter than other alternative treatments like a total knee replacement. In fact, patients who receive a partial knee replacement stay in the hospital 33% less time post-surgery than a patient who receives a total knee replacement<sup>4</sup>. In many cases, partial knee replacements are done in out-patient or ambulatory surgery centers. These patients return home in less than 24 hrs.

Furthermore, some patients may have existing sensitivity or an allergic reaction to the presence of bone cement in the body<sup>12</sup>. Hypersensitivity to cement may cause complication like swelling, implant loosening, or residual pain<sup>5,13</sup>. Cementless knee replacement remains the gold standard treatment modality, as greater than 70% of surgeons surveyed recommended the use of cementless implants to treat patients with known cement-sensitivity<sup>8</sup>.

Patients who enjoy a high level of daily activity and depend on knee joint mobility to support their healthy lifestyle, may benefit from a partial knee replacement.

## Our Product

Founded on the belief that patients deserve better outcomes, Engage Surgical is proud to offer the Engage Partial Knee System. By leveraging advancements in materials, manufacturing, and technology innovation, this solution is a significant step forward in the treatment of medial compartment arthritis.

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