AmedicaÃ,® Receives Patent for Hip Implant Using Monoblock Ceramic Technology

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SALT LAKE CITY, June 2 /PRNewswire/ -- Amedica Corporation, a spinal and orthopaedic implant and instrument manufacturer focused on unique silicon nitride (SiN) ceramic technologies, announced today that it has been granted United States Patent No. 7,695,521 covering its novel hip implant featuring a monoblock ceramic acetabular cup for use in articulating joints for total joint replacement. Currently under development, Amedica's cup covered under this and other pending patents will be used as an ultralow-wear-bearing component for motion-preserving implants.

According to Ben Shappley, Chief Executive Officer, President and Director of Amedica, the unique ceramic manufacturing capability of the technology will help surgeons to achieve more successful outcomes in restoring patient function, allowing individuals to return to productive and pain-free lives.

"Our unique technology allows us to combine our high-strength silicon nitride ceramic with an ultralow-wear surface-bearing technology along with a bone-contacting Bioactive™ surface designed for secure, long-term fixation," said Shappley. "This provides surgeons with wider design choices and flexibility to improve anatomic fit and function compared to currently available alternate bearing options."

Amedica is a full-line manufacturer and supplier of silicon nitride ceramic technologies that are used in spinal implant applications. The company has recently entered into a joint venture agreement with Orthopaedic Synergies Inc., a global hip and knee concern.

In addition to spinal implants, Amedica's unique SiN materials have disruptive characteristics for hip and knee implant applications, as well. The material is fracture resistant; its articulating
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SOURCE [1]

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