



**ADVANCED ORTHOPEDICS
AND SPORTS MEDICINE INSTITUTE, PC**
A CENTER OF EXCELLENCE FOR BONE AND JOINT CARE

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Press Release

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**Advanced Orthopedics and Sports Medicine Institute's Orthopedic Surgeon Explains
New Use of Living Cartilage Cells in Repairing Knees**

Dr. Gregg S. Berkowitz, an orthopedic surgeon at Advanced Orthopedics and Sports Medicine Institute (AOSMI) of Freehold, New Jersey in Monmouth County, has announced a relatively new one-step cartilage repair procedure using living cartilage tissue from a juvenile donor. DeNovo NT, a natural tissue graft, is the latest option in repairing damaged cartilage. In this procedure, orthopedic specialists plant juvenile living cells into the damaged areas of the knee or ankle.

Dr. Berkowitz says, "The advantage of using juvenile cartilage is that the adult cartilage doesn't have many living cells, which limits healing ability. Juvenile cartilage, however, has more living cells; and, therefore, much better healing ability. Also, larger areas can be repaired compared to other one-step procedures."

Using a natural tissue graft eliminates many negatives because this one-step procedure does not damage other areas of the knee. According to Dr. Berkowitz of AOSMI, "Other parts of the knee are not damaged in this procedure, which can happen when a graft, harvested from one part of the knee, is then transferred to another part of knee to repair it."

In other one-step techniques, surgeons must either stimulate the growth of new cartilage or take cartilage from elsewhere. This technique requires only one surgery, which is done through a small incision. Lastly, because there is very little blood supply in cartilage, it doesn't seem to stimulate an immune response.

AOSMI's Dr. Berkowitz says, "Age is generally not a factor; but keep in mind, once you get into an older population, you probably don't have a normal knee with just one damaged area. This procedure is not intended for those with diffuse arthritis. Using living juvenile cartilage is meant for an isolated damaged area where the rest of knee really looks pretty healthy."

For further information, call Dr. Berkowitz of Advanced Orthopedics and Sports Medicine Institute at 732-720-2555.

Today, the surgeons at Advanced Orthopedics and Sports Medicine Institute provide the

Monmouth and Middlesex County communities with specialists for every orthopedic need. Located in the Pond View Professional Park at 301 Professional View Drive in Freehold, and Renaissance Crossing Medical Arts Building at 312 Applegarth Road, Suite 101, Monroe Township, New Jersey, Advanced Orthopedics and Sports Medicine Institute provides advanced medical care with leading doctors and surgeons, state-of-the-art technology, and exceptional Patient-Centered, Patient-Focused Care™. The seven practicing physicians at AOSMI have a combined 100 years of experience providing exceptional orthopedic care to the New Jersey communities of Monmouth and Middlesex County. For more information, call 732-720-2555 or visit <http://www.AdvancedOrthoSports.com>.

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