What is a femoral condyle cartilage defect?

The knee joint consists of three bones; the femur, the tibia, and the patella or knee cap (not shown). The ends of the femur and tibia glide against each other as you move. Cartilage is the slippery shock absorbing material that covers the ends of bones to allow pain free movement. A femoral condyle cartilage defect disrupts this surface which can lead to pain and loss of movement. If these defects are not treated they typically grow in size and depth until the pain is unmanageable.

Is your knee pain causing you to do less of the activities you enjoy?

BioPoly RS might be right for you.

BioPoly RS Knee System

Partial Resurfacing femoral condyle implant made from polyethylene and hyaluronic acid

BioPoly RS Knee System

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Why does my knee hurt?

Your doctor can evaluate your knee and determine the cause of your knee pain. One of the most common knee injuries is cartilage defects of the femoral condyle (shown below). These typically occur as a result of injury or normal wear and tear. If your doctor has determined you have such a problem then BioPoly™ RS may be right for you.

Biology

Visit our website www.biopolyortho.com to find a doctor.

What are my surgical options for treating my knee pain?

Only you and your doctor can select the treatment that is best for you.

- Biological Treatments (microfracture, OATS, Allograft, ACI, etc.)
- BioPoly™ RS Knee System
- Total joint replacement (Unicondylar or Total Knee Replacement)

Biological Treatments

Many patients for various reasons including age or advanced disease are not good candidates for biological treatments. Between these two extremes lies the BioPoly RS device.

BioPoly RS

BioPoly RS is an implant utilizing an advanced biomaterial to resurface (RS) cartilage defects. The BioPoly RS material contains hyaluronic acid, a naturally occurring biomolecule found in the joint fluid. This gives the implant enhanced lubricity and allows the femur and tibia to glide against each other without causing pain or additional damage.

So what does this mean?

Your doctor can now replace only the damaged portion of cartilage with an implant that interacts favorably with the surrounding tissues. Since the implant and procedure are minimally invasive you can recover rapidly and return to a pain-free active lifestyle quickly.

How much time will I be off work and what is the recovery process?

Only you and your doctor can determine the exact amount of time you will need to recover before going back to work but, however, the BioPoly RS implant allows you to begin walking immediately, resulting in rapid rehabilitation and return to activity.