

Paul D Maitino DO FAOAO Hip Knee Shoulder & sports medicine Oklahoma City OK

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Knee

Normal Anatomy of the Knee Joint

How does the Knee joint work?

Find out more in this web based movie.

- [Launch Movie](#)
- [Print Version](#)

Arthroscopy of the Knee Joint

The knee joint, which appears like a simple hinge-joint, is one of the most complex joints. It consists of the femur (thighbone), tibia (shinbone) and patella (kneecap). The knee is a synovial joint, which means it is lined by synovium.

Find out more about Knee Arthroscopy from the following links.

- [Launch Movie](#)
- [Patient Info](#)
- [Print Version](#)

Total Knee Replacement (TKR)

Total knee replacement, also called total knee arthroplasty, is a surgical procedure in which the worn out or damaged surfaces of the knee joint are removed and replaced with artificial parts. The knee is made up of the femur (thigh bone), the tibia (shin bone), and patella (kneecap).

Find out more about Total Knee Replacement with the following links.

- [Launch Movie](#)
- [Patient Info](#)
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Anterior Cruciate Ligament ACL Reconstruction

The anterior cruciate ligament is one of the major stabilizing ligaments in the knee. It is a strong rope like structure located in the centre of the knee running from the femur to the tibia. When this ligament tears unfortunately it doesn't heal and often leads to the feeling of instability in the knee.

ACL reconstruction is a commonly performed surgical procedure and with recent advances in arthroscopic surgery can now be performed with minimal incisions and low complication rates.

ACL Reconstruction Hamstring Tendon

- [Launch Movie](#)
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ACL Reconstruction Patellar Tendon

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Uni Condylar Knee Replacement

Unicondylar knee replacement simply means that only a part of the knee joint is replaced through a smaller incision than would normally be used for a total knee replacement.

Find out more about Unicondylar Knee Replacement with the following links.

- [Launch Movie](#)
- [Patient Info](#)
- [Print Version](#)

Revision Knee Replacement

Revision Knee Replacement means that part or all of your previous knee replacement needs to be revised. This operation varies from very minor adjustments to massive operations replacing significant amounts of bone.

Find out more about Revision Knee Replacement with the following links.

- [Launch Movie](#)
- [Patient Info](#)
- [Print Version](#)

Ultrasound Guided Injection Therapy

Ultrasound imaging is a safe and effective imaging technique to diagnose and treat musculoskeletal conditions. The ultrasound guided injections is a minimally invasive procedure and is used to treat various musculoskeletal pain conditions such as tendonitis, bursitis, neuritis and to perform cyst aspiration.

For more information about Ultrasound Guided Injection Therapy click on below tabs.

- [Patient Info](#)

Subchondroplasty

Knee osteoarthritis (OA) is a common form of arthritis that causes joint pain and stiffness. It is a progressive disease in which the joint cartilage gradually wears away and may lead to disability.

For more information about Subchondroplasty click on below tabs.

- [Patient Info](#)

Patello-femoral Replacement

Patello-femoral replacement is a procedure to replace the back of the kneecap or patella that is completely damaged. Patello-femoral joint is a compartment of the knee formed by consists kneecap and femur bone.

For more information about Patello-femoral Replacement click on below tabs.

- [Patient Info](#)

Click on the topics below to find out more from the Orthopaedic connection website of [American Academy of Orthopaedic Surgeons](#).

- [ACL Injury: Should it be fixed?](#)
- [Activities After a Knee Replacement](#)
- [Additional Resources on the Knee](#)

- Adolescent Anterior Knee Pain
- Arthritis of the Knee
- Care of the Aging Knee: Baby Boomers May Need Lifestyle Changes
- Cemented and Cementless Knee Replacement
- Deep Vein Thrombosis
- Frequently Asked Questions about Osteoarthritis of the Knee
- Goosefoot (Pes Anserine) Bursitis of the Knee
- Knee Arthroscopy
- Knee Arthroscopy Exercise Guide
- Knee Implants
- Knee Replacement Exercise Guide
- Kneecap (Prepatellar) Bursitis
- Meniscal Tear
- Meniscal Transplants
- Minimally Invasive Total Knee Replacement
- Nonsurgical Treatment Options for Osteoarthritis of the Knee
- Orthopaedists Research Female Knee Problems
- Osgood-Schlatter Disease (Knee Pain)
- Osteonecrosis of the Knee
- Posterior Cruciate Ligament (PCL) Tear
- Rotating Platform/Mobile-bearing Knees
- Runner's Knee (Patellofemoral Pain)
- Surgical Treatment of Osteoarthritis of the Knee
- The Knee
- Total Knee Replacement
- Unstable Kneecap
- Viscosupplementation Treatment for Arthritis