

NOYES KNEE INSTITUTE CLINICAL STUDIES

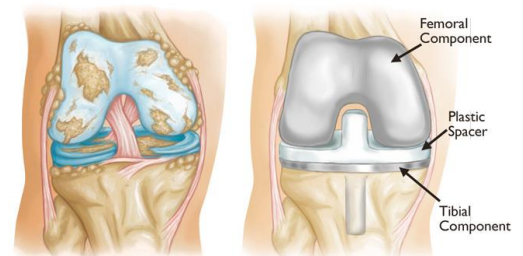
Study 1: PARTIAL ROBOTIC KNEE REPLACEMENTS

- Meet with a clinical coordinator to learn the details of this major innovative study
- Robotic surgery for partial knee replacements began 10 years ago
- Dr. Noyes is a pioneer and one of most experienced Robotic Knee Surgeons in the USA
- Clinical results have been reported throughout the USA, Europe, India, Middle East
- Highly experienced team of therapists and clinical coordinators for follow-up care
- Follow-up surgeon visits at 1, 3, 5, 7 years at no charge
- Superb follow through on all treatments for patients to achieve highest success rates



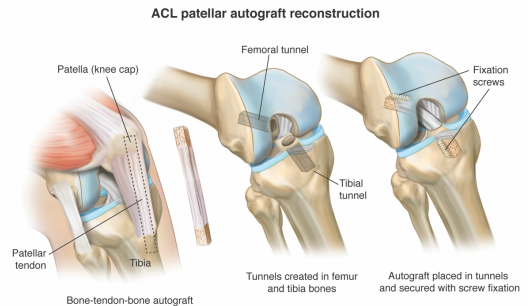
Study 2: TOTAL KNEE REPLACEMENTS IN ACTIVE PATIENTS

- Special knee replacement study began 5 years ago is showing major benefits
- Selection of knee replacement used with advanced kinematic properties for success
- Outpatient or inpatient surgical options, depending on patient issues
- Patients undergo maximum optimization programs before surgery
- Advanced nutrition and health screening are done to detect potential healing abnormalities before surgery
- Surgical procedures performed at the Jewish Hospital-Mercy Health, Cincinnati, Gold Star Award
- Specialized postoperative rehabilitation to prevent scar tissue, loss of motion, and muscle atrophy
- Enhanced rehabilitation 6 to 12 months to build muscle strength, function, and overcome any deficits to allow return to recreational activities
- Specialized instruction and pearls to return to activities beyond other joint programs
- Clinical coordinator available throughout entire treatment plan to facilitate problem



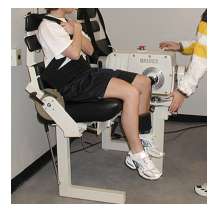
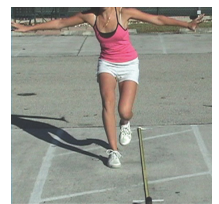
Study 3: TREATMENT OF ACL AND PCL INJURIES: SURGICAL TREATMENT ADVANCES FOR SUCCESS

- Comprehensive treatment approach using multiple disciplines to achieve success
- Noyes Knee Institute treatment ranked top 20 knee centers in North America
- Advanced state-of-art surgical approaches with one of the highest success rates in the USA
- Specialized approaches to treat all injuries, including saving and suturing meniscus tears
- Expertise in repairing other ligament injuries that accompany ACL/PCL tears
- One of the most experienced operating teams with Dr Noyes has treated thousands of patients
- Expert rehabilitation and athletic trainer team to resolve postoperative problems
- Our goal is to achieve the highest success for our patients to return safely to their athletic pursuits
- Specialized objective testing and performance training after surgery for safe return
- All female athletes are enrolled in 6 weeks of Sportsmetrics training before return to sports
- Enhanced patient benefits of Sportsmetrics training sessions provided at NO charge



Study 4: SPORTSMETRICS OBJECTIVE TESTING BEFORE RETURN TO SPORTS AFTER SURGERY

- World leader in development of unique programs and testing for safe return to sports
- Studies presented worldwide; adopted by many USA Centers
- Multiple peer-reviewed publications over the last 25 years provide the scientific basis for programs
- Absolute requirement after ACL surgery and other knee operations to achieve safe return
- Objective specialized tests performed in thousands of patients for baseline data
- Without these programs, the surgery failure and reinjury rates have been reported to be as high as 22% to 40%
- With our specialized programs, the success rate of ACL surgery is one of the highest reported in the USA
- Expert staff to conduct testing and counsel athletes on how to achieve desired goals



Study 5: SPORTSMETRICS FOR PREVENTION OF ACL INJURIES AND ENHANCING PERFORMANCE

- Largest and leading worldwide program with over 1500 certified USA sites
- Leading international program in Europe, India, Middle East, China
- Nonprofit program designed as a philanthropic program by Noyes Knee Institute
- Intense 18 training sessions over 6 weeks offered in schools below cost
- The most scientific program in the world, achieved many national awards
- Proven success in reducing ACL and other injuries in thousands of athletes
- Sportsmetrics is used in schools, clinics, premier sports teams, and colleges everywhere
- Program conducted by highly trained professional with years of experience
- Website follows educational mission of updating and teaching instructors
- Refer to Sportsmetrics.net for our many programs to help athletes prevent injuries



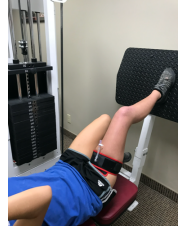
Study 6: PATELLAR (KNEE CAP) INSTABILITY STUDY

- Special treatment plan began over 20 years for these difficult problems
- Enhanced nonoperative treatment programs to prevent surgery
- Special rehabilitation advances to build muscle strength and control to avoid surgery
- Advanced tests including MRI to diagnosis all abnormalities for treatment
- Expert rehabilitation and athletic trainer guidance to continue sports activities
- Advanced state-of-art surgical procedures, proven in patients over many years
- Expert rehabilitation after surgery following specially designed protocol
- Objective return to sport guidelines to limit further knee injuries



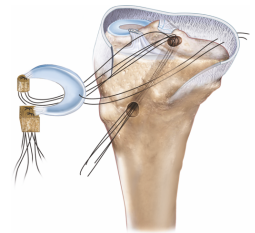
Study 7: ADVANCED MUSCLE STRENGTH TRAINING: BLOOD FLOW RESTRICTION (BFR) PROGRAMS

- One of the leading centers in the USA in advanced studies on BFR
- Noyes Knee Institute trains physical therapists and doctors throughout the world
- Specialized BFR programs provide major benefit to patients with muscle atrophy
- Specialized BFR programs used early after surgery to limit muscle atrophy
- Expert staff to guide each participant
- Objective strength tests provided without cost
- Clinical coordinator works individually with patient without cost, major rehab savings



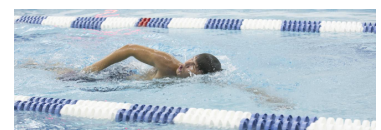
Study 8: CARTILAGE RESORATION AND MENISCUS TRANSPLANTATION

- One of the leading centers in the world with multiple publications over 20 years
- Patients enrolled in state-of-art treatment programs
- Extensive experience with hundreds of patients provides objective data for treatment
- Surgical procedures performed using minimally invasive cosmetic approach
- Clinical coordinator guides patient throughout study and facilitates all treatments
- Follow-up at 1, 3, 5, 7, 10 years after surgery at no cost
- Institute surgical success and treatment programs used worldwide
- Patients undergo multiple advanced tests to optimize success and treat all conditions



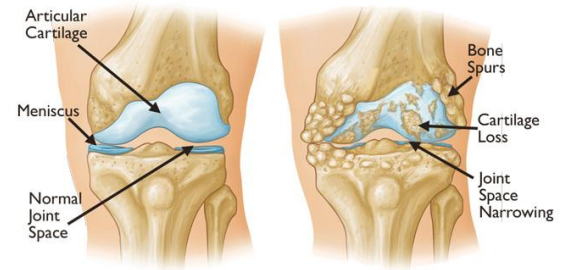
Study 9: STUDY OF LOWER LIMB MALALIGNMENT AND OSTEOTOMY CORRECTION

- Our Institute has achieved many awards in treating these complex problems
- Bow-leg or knock-knees with severe malalignment require complex surgery
- Specialized testing, gait analysis, and radiographic analysis required before surgery
- Surgery performed at Jewish Hospital-Mercy Health, Cincinnati by highly skilled team
- Postoperative treatment programs published in textbook and publications
- One of the lowest complication rates reported for this complex surgery
- Clinical coordinator follows each patient and facilitates care



Study 10: EFFECT OF BIOLOGIC INJECTIONS FOR KNEE ARTHRITIS

- We choose the top knee injection programs for outpatients
- Our knee injections represent **Platelet Rich Plasma** processed injections that are safe
- These injections are sometimes incorrectly referred to as “Stem Cell” injections
- So-called stem cell injections to repair or regenerate tissues are absolutely false and unproven. The FDA has stated that stem cell injections are illegal, potentially dangerous, and not allowed in the USA. Private clinics offering stem cell injections in the USA are being prosecuted
- What is the truth? The injections of the biologic products decrease inflammation
- The biologic injections work to promote a healthy environment for healing
- No injection will cause regeneration of damaged tissues, or regenerate tissue
- The injections offered by the Noyes Knee Institute are carefully selected and safe
- The injections provide a 50-70% short-term rate to decrease pain and other symptoms
- This study has two treatment programs with knee injections randomly assigned
- Patients must enroll for one year of treatment, injection provided at NO cost
- There are inclusionary criteria to be selected for enrollment in the study
- If you have knee arthritis, contact our Institute to meet with a clinical coordinator



PRP Injection: Directly into Bone Defect

- Requires MRI
- Sedation
- Surgery center
- Fluoroscopy
- Possible arthroscopy
- 75% of patients 12-18 mons decreased pain
- Does not cure arthritis

