



## Dr. Dhrumil M. Patel (M.S.Ortho)

SPORTS MEDICINE – ARTHROSCOPY,  
JOINT REPLACEMENT SURGEON

### FELLOW :

SPORTS MEDICINE (SARASOTA, U.S.A.)  
SHOULDER JOINT (U.S.A. & PUNE –DMH)  
HIP JOINT (KHU., SEOUL, S. KOREA)  
KNEE JOINT (MUNICH, GERMANY)  
FOOT & ANKLE JOINT (LONDON, U.K.)



# ANTERIOR CRUCIATE LIGAMENT INJURIES

## Anterior Cruciate Ligament Injuries

- One of the most common sports injuries of the knee joint.
- Occurs in athletes who participate in high demand sports like soccer, football, and basket ball.
- Occurs in patients with road traffic accident.

### Description:

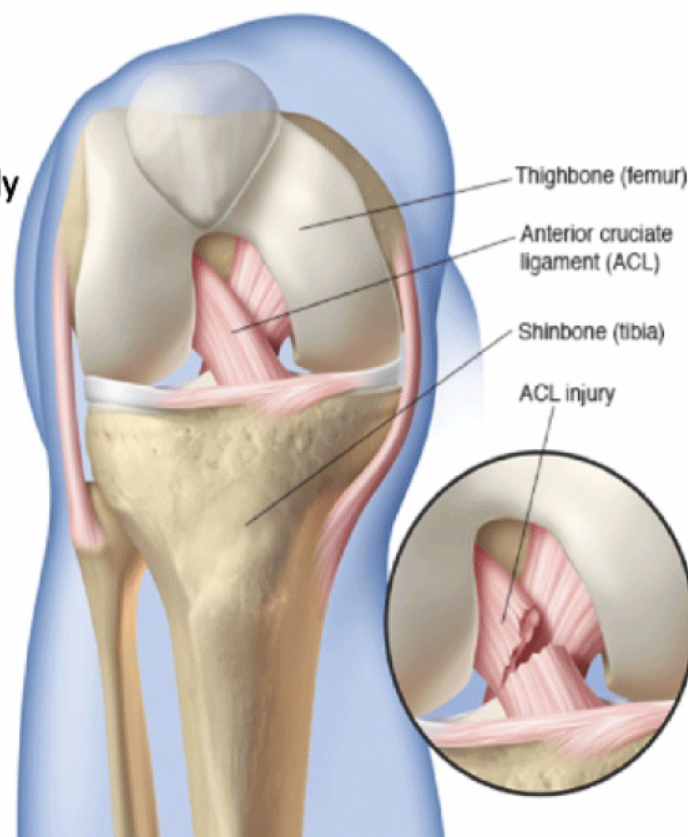
- Patients with ACL injury usually have cartilage, meniscus or other ligament injury
- Injured ligaments are called “sprains” and are graded on severity scale
  - Grade 1 sprain – stretched ACL
  - Grade 2 sprain – partial tear in ACL
  - Grade 3 sprain – complete tear in ACL

### Cause:

- Changing direction rapidly
- Stopping suddenly
- Slowing down while running
- Landing from a jump incorrectly
- Direct contact or collision

### Symptoms:

- Pain with swelling
- Decreased range of motion
- Instability





# ANTERIOR CRUCIATE LIGAMENT INJURIES

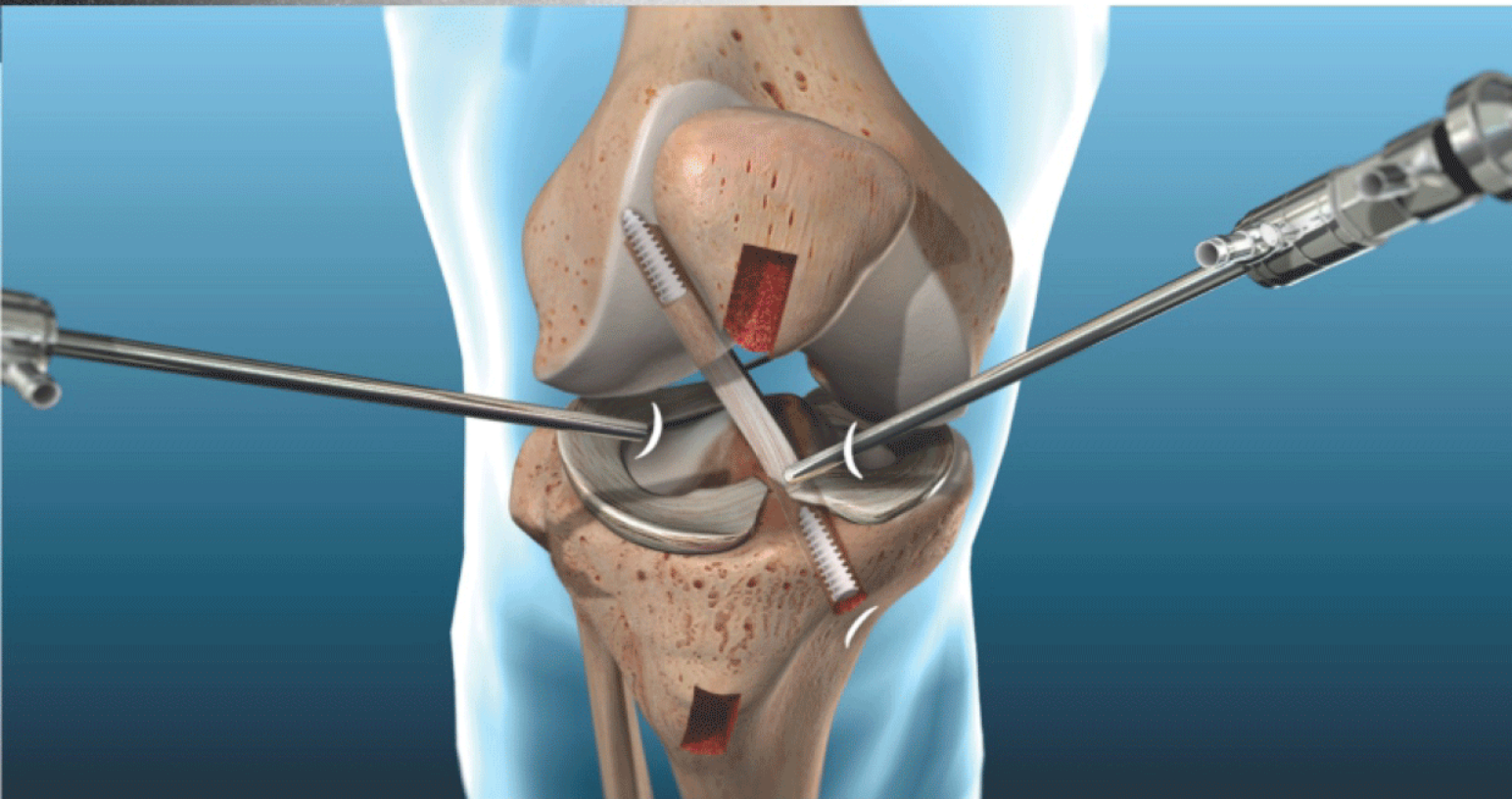


## Imaging:

- X ray – ACL avulsion
- MRI – ACL tear, meniscus and cartilage status

## Treatment:

- **Non-surgical:**
  - For partial tear with aligned ACL
- **Surgical:**
  - For complete tears – arthroscopic ACL reconstruction / repair



## NAVRANG HOSPITAL

Nr. Amit Nagar Circle, Besides HDFC Bank,  
VIP Road, Karelibaug, Vadodara – 390018.  
Ph : 2492233, 2493344, Fax : 2466392  
E-mail : [navranghospital@gmail.com](mailto:navranghospital@gmail.com)  
Website : [www.navranghospital.com](http://www.navranghospital.com)

FOR APPOINTMENT 98796 17609

FOR EMERGENCY 96876 17608

Mediclaim Cashless facilities available.

C.B.D.T. approved Hospital {Income Tax-1961-17(2)(B)}

For Mediclaim Filing :

Tuesday to Friday ( 1.00 p.m. to 5.00 p.m.)

**EMERGENCY SERVICES 24 HOURS**

Follow us :



OPD Timing :

Morning: 11-00 to 2-00, Evening: 5-00 to 7-00,  
Saturday Evening & Sunday O.P.D Closed.