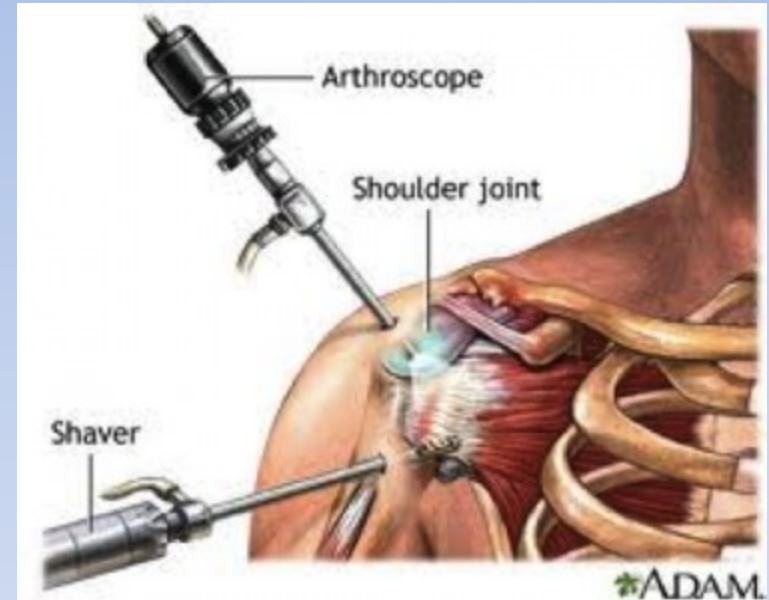


What is Arthroscopy?

- Non Invasive procedure
- Used to repair joint injuries
- Uses medical tool called Arthroscope
- Is done 600,000 times annually



What needs Arthroscopy?



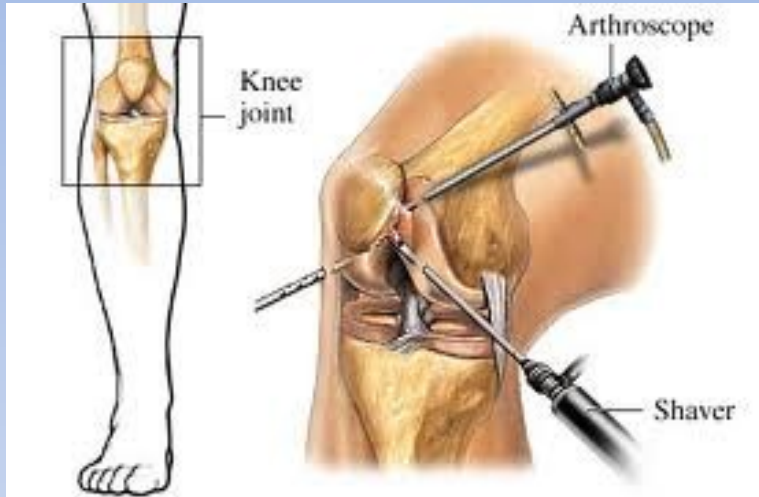
- Joint problems
 - ACL
 - MCL
 - Shoulder
- Many types of arthritis
- Frayed or loose cartilage

History of Arthroscopy

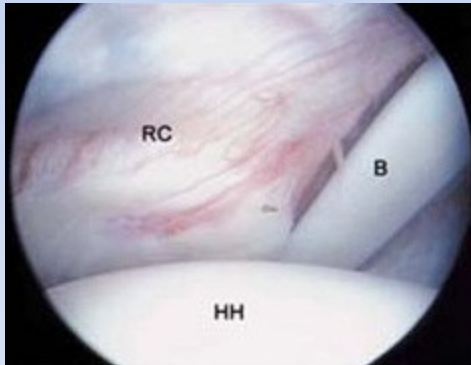
- 1800s- start of cystoscopes
- 1960 – first modern arthroscope by Masaki Watanabe
- 1970's arthroscopy becomes widely used
 - Fiber optics
 - Television monitors
 - Focus on sports and fitness



Arthroscope

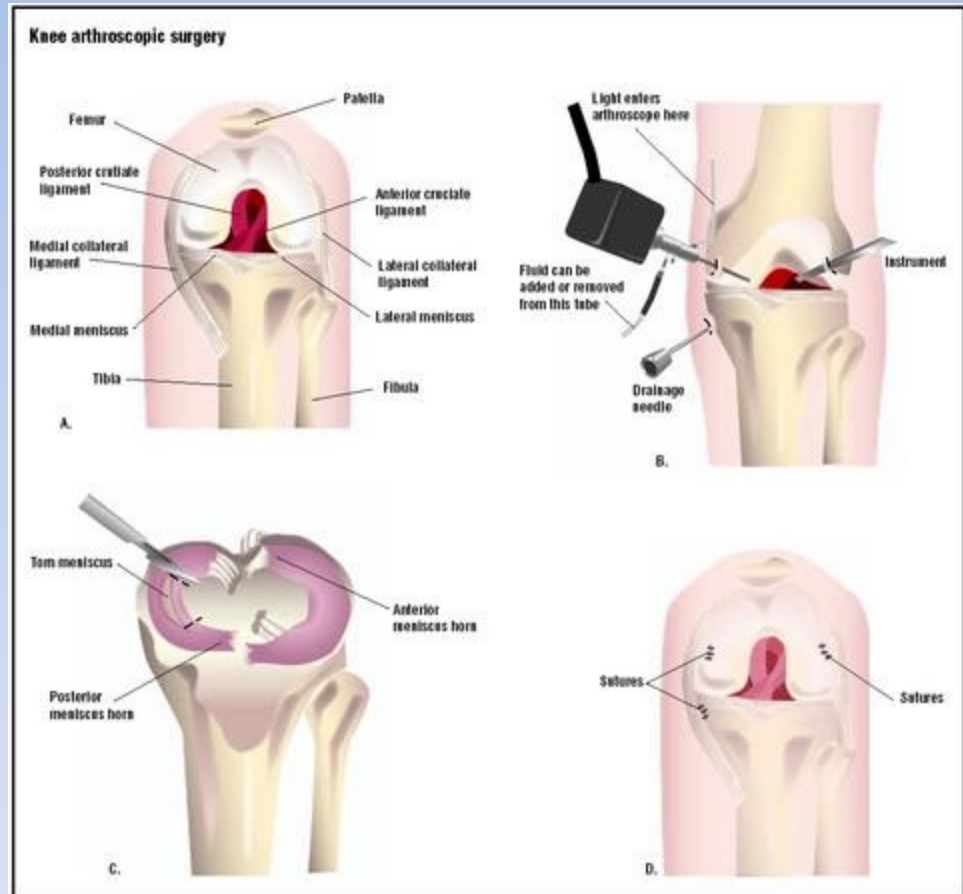


- **Arthroscope:** A thin flexible fiberoptic scope which is introduced into a joint space through a small incision in order to carry out diagnostic and treatment procedures within the joint
- Diameter of a straw
- Fitted with
 - Mini camera
 - Light source
 - Surgical tools



The Procedure (ACL example)

- Diagnosis
- harvest
- Tunnel
- Secure
- Recover



Recovery

- Puncture wounds take several days to heal
- Several weeks for joint pain to heal
- Rehabilitation is usually necessary
- If surgery is successful patient fully recovers



Risks and Limitations

- Infection
- Anesthesia
- Instrument breakage
- Pain or numbness
- Nerve damage
- Less than 1% have complications