Hip & Knee Arthritis

Dinesh Thawrani, MD, MBA, FACS, FAAOS

Orthopedic Surgeon
The Christ Hospital, Cincinnati (OH)
Asso Prof at University of Cincinnati

Disclosures



Nothing

What is Arthritis?







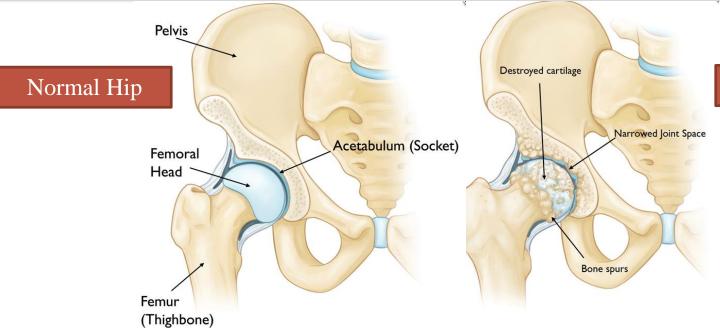






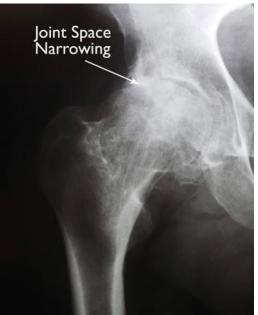
What is Arthritis?





Arthritic Hip





What is Arthritis?



- Wear & Tear of the joint
- Non- reversible disease

- Progressive disease
- Presents with
 - Pain
 - Deformity
 - Functional Disability

Treatment for Arthritis



- Physical Therapy
- Anti-inflammatory medications
- Braces
- Injections

Temporary or Short acting

Surgery

Relatively
Long Lasting
Pain relief



Types of Surgeries

- Arthroscopy
- Cartilage grafting
- Synovectomy
- Osteotomy
- Total Joint Replacement

Very Limited Indications

More Reliable & Long Lasting Outcomes

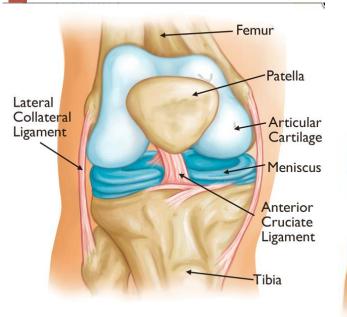


Surgery

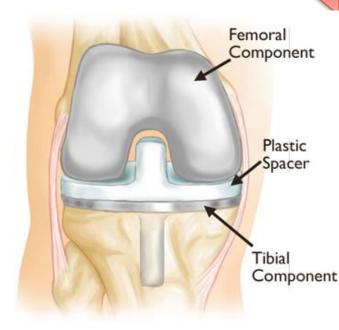
- When and Why to do the surgery?
- Is it safe?
- What are the risks?
- What is the recovery time?
- How long do I need to stay in the hospital?
- What I can & cannot do after the surgery?

If he / she is your father / mother would you recommend the surgery?

What is
Total Joint Replacement
or
Total Joint Arthroplasty?

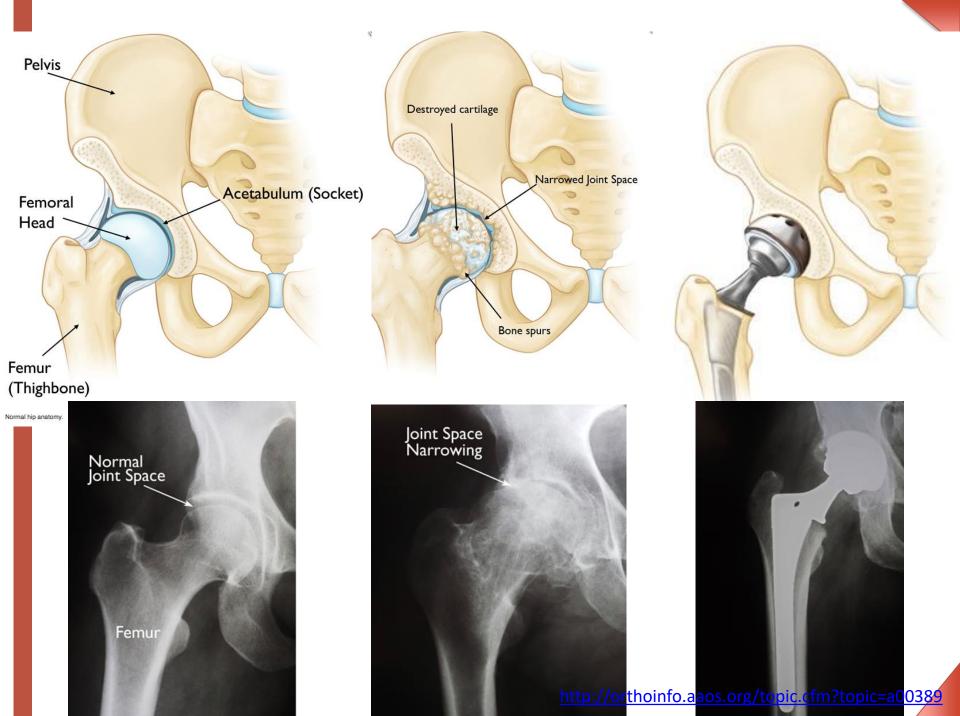












Material





- Metal alloy Cobalt, Chromium, Nickel, Titanium, Stainless steel
- Plastic Highly cross-linked polyethylene
- Ceramic
- Cement PMMA (Polymethylmethacrylate)

Not necessary to have all these in each joint

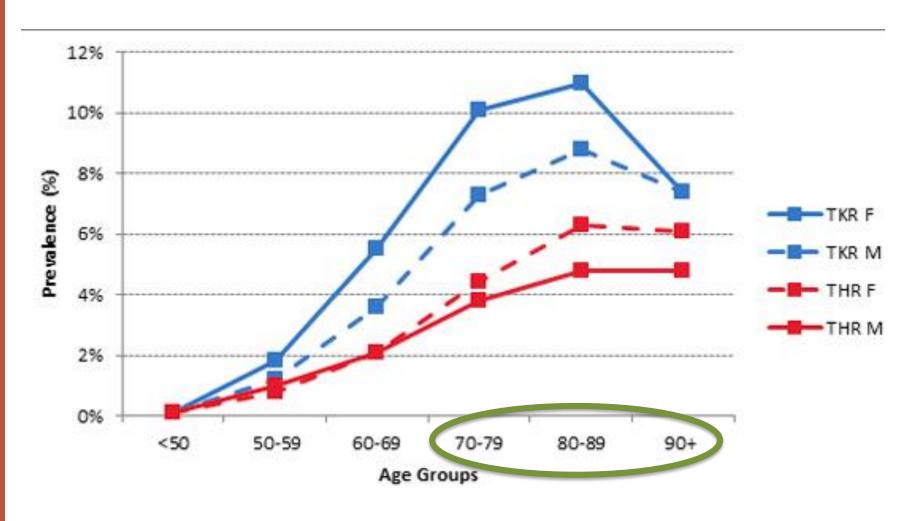


Surgery – When & Why?

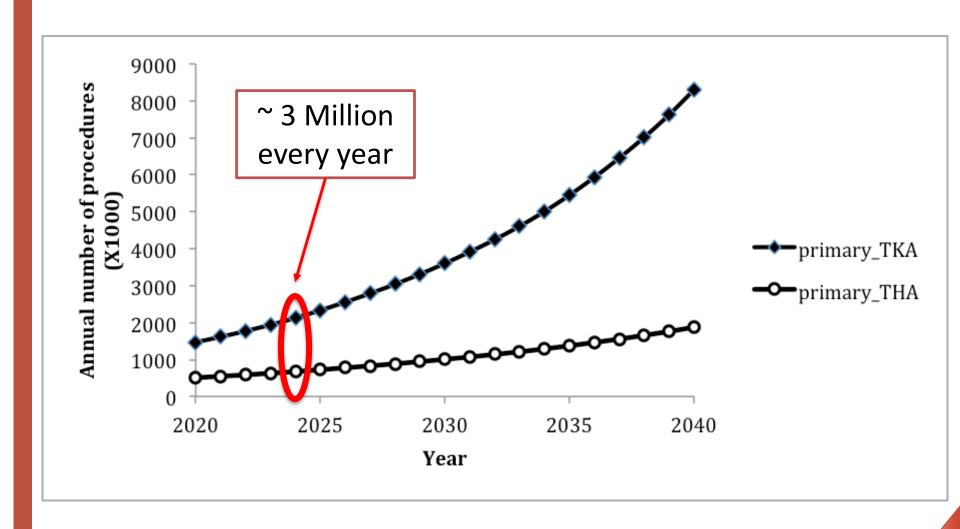
- Decision depends on:
 - Pain interfering in activities of daily living (standing, walking, climbing stairs, interferes in sleep)
 - Functional limitations
 - When everything else failed to control the pain
 - Not on x-rays
 - Not on age
- Risk from not having surgery?
 - Nothing other than interference in the quality of life



Surgery – When & Why?









Surgical Outcomes

High success rate

THE LANCET

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REVIEW | VOLUME 370, ISSUE 9597, P1508-1519, OCTOBER 27, 2007

The operation of the century: total hip replacement

Prof Ian D Learmonth, FRCS 🙎 🖾 • Claire Young, FRCS • Prof Cecil Rorabeck, FRCS

Published: March 29, 2007 • DOI: https://doi.org/10.1016/S0140-6736(07)60457-7



Preparation Before the surgery

- Lab and x-ray tests
- Anesthesia check
- Rule out any source of infection
 - dental, urinary tract
- Start doing exercises before the surgery
- Quit smoking
- Improve nutrition (high protein diet)
- Discuss Post-operative plans
- Organize homecoming



Expectations After the surgery

- Hospital stay
 - Same Day: Often discharge by late afternoon / evening
 - Or next day morning
- Exercises:
 - Walking & joint motion
- Pain after the surgery:
 - Often well under control by oral meds & Ice
- Patients go home
 - No nursing home stay needed



Risks

- Generally has high success rate
- Low rate of major complications. Possible complications are:
 - Infection
 - Dislocation
 - Loosening
 - Leg-length inequality
 - Blood clots
 - Stiffness
 - Limp
 - Fracture
 - Persistent pain
 - Neurovascular injury
- Rare complications:
 - Pneumonia, Heart-attack, Stroke, Death

Can do after joint replacement The Christ Hospital The Home Health Care

Can do

- Walking
- Climbing stairs
- Swimming
- Golf
- Bike riding
- Dance
- Kneeling down may be uncomfortable



Cannot do after joint replacement The Christ Hospital The Home Health Care

- Cannot do
 - Running
 - Jogging
 - Any activity that gives direct impact to the joint



Surgery





Multi-disciplinary:

PCP

Arthroplasty surgeon

Anesthesiologists

Hospitalist

Infectious Disease

Nurses

Therapists







Prepare our patients for



Summary



- Total Joint Replacement surgery is a
 - reasonably reliable procedure,
 - has long term good records / outcomes
- Surgery should be done:
 - only if pain is severe enough to interfere in activities of daily living
 - Only when failed all conservative (non-surgical) treatments
- Reasonable Expectations: Make sure you align and discuss your goals before the surgery with your orthopedic surgeon



Thank you

Phone: 513-791-5200

513-858-2000

Locations: The Christ Hospital at

Green Township, Red bank, JSC & Liberty Township