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LEARNING OBJECTIVES

- Why patients present to Orthopaedic Surgeons/Common presentations
- Common Orthopaedic Conditions
- · Considerations in Peri- op Care
- · Orthopaedic Procedures/ Indications/ Contra- indications

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COMMON PRESENTATIONS

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PAIN



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PAIN

- Severe/ Minor
- Modulated with medication
- Activity related
- Mechanical
- Rest pain
- Night pain
- Prior treatment?
- Spontaneous/ Injury
- Does it interfere with work/ sport/ life

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- Work
- Sport and leisure- Holidays, travel
- Walking/ mobility
- Shopping
- Self care and independence
- Walking aids
- Carers
- Social function

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Corresponding Films



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DEFORMITY Varus- Bow Leg Corresponding Films shpacpd

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DEFORMITY

- · Leads to-
- Poor biomechanics
- Greater energy expenditure
- Ligament/ bone failure/ further deformity
- Progressive nature
- Compounds loss of function

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COMMON ORTHOPAEDIC CONDITIONS

- Osteoarthritis knee
- Osteoarthritis hip
- Meniscal tearing
- ACL rupture
- Patello- femoral pain

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KNEE ARTHRITIS

- Pain
- Deformity
- Loss of function
- · Mechanical vs rest
- Lateral/ medial/ posterior pain

KNEE ARTHRITIS

- X- Ray
- Ultrasound
- MRI

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TREATMENT

- Analgesics
- Weight loss
- Exercise
- Gait aids
- Injectables
- PRP/ Stem cells • GLAD

• Surgery

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HIP ARTHRITIS

- Groin pain
- Deformity
- Stiffness • Gait aids
- Function

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HIP ARTHRITIS

- X-Rays
- · ?MRI

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TREATMENT

- Analgesia
- Gait aids
- GLAD
- ?PRP/ Stem cells
- Injectables
- Surgery

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MENISCAL TEARING

- Trauma in young patients
- No trauma in older
- Pain
- Effusion
- Clicking
- Locking
- Loss of function

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INVESTIGATION

- XR
- MRI

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MENISCAL TEARS

TREATMENT

- Conservative/ Analgesics
- Time
- Physiotherapy
- Surgery

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ACL RUPTURE

- Pivoting/ Hyperextension
- Football/ Netball/ Skiing
- Immediate effusion
- Giving way
- Unable to return to high demand sports, job

INVESTIGATION

- XR
- MRI



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TREATMENT

- Reconstruction
- Conservative

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ANTERIOR KNEE PAIN

- Young adults/ Teenagers
- Spectrum of instability to pain from various sources
- Usually conservative treatment
- Rarely operation

• Medical history • Physician revue

• History

• ICU/ HDU care

Physical examination

Special investigations

• Consent issues/ transfusions etc...

CONSIDERATIONS IN PERI- OP CARE

• Scores- Harris Hip, Oxford, Knee society, WOMAC, SF36

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INTRA-OP

- Operation
- Prosthesis
- Surgical approach
- Blood loss strategies
- Pain management strategies
- Anaesthesia

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POST- OP

- Painn Management
- Rehab/ mobilisation
- Medical management
- Short stay surgery

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THR/TKR

- · Indications as discussed
- Contra- indications
- Infection
- Medical
- Charcot joint/ neurological
- · Poor rehab prospect/ little prospect of mobility
- Dementia

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THR MATHYS 🂠 shpacpd

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COMPLICATIONS

- Infection
- Dislocation
- Leg length discrepancy
- Nerve/ blood vessel damage
- Prosthetic wear/ loosening/ mechanical problems
- DVT/ PE
- Death

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Number of Bisk 0 Fy 1 To 3 Trs 5 Trs 10 Trs 12 Trs 104 Trs 10 Trs 12 Trs 104 Convertions 221771 19200 140814 98734 19116 2221

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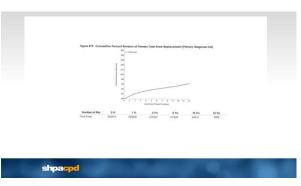
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FUTURE TRENDS

Robotics/AI
Better pain management
Day Surgery TJR
Prosthetic monitoring
Better predictors of outcome/ PROMs
More data collection NJRR to help guide treatment
Rational Prosthetic redesign
Rational Prosthetic redesign
Rational Prosthetic redesign
Rational Prosthetic redesign

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THANKYOU

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