HIP & SHOULDER ASSESSMENT HIP PAIN AFTER PREGNANCY

Sarah M. Higginbotham, MSN, APRN, FNP-C



	OBJECTIVES
•	Collecting proper history & performing physical exam for hip and shoulder pain
•	Understanding what radiographs to order and most common differential diagnosis for hip and shoulder pathology
•	Treatment plan, including prescriptions and when to refer to Ortho!
•	Unique population, females after pregnancy, now their hip hurts - understanding why, how to treat, when to refer to ortho
•	Exercises - exercises specific to the hip to help prevent injury









IS IT THE HIP?

HIP

- Anterior, Groin Pain
- +C-Sign
- Dull, Achy, Pinch
- Worse with hip flexion and weight bearing activity
- Standing AP and frog leg lateral

BACK

- Posterior, deep buttock
- Radiates
- Above "BELT LINE"
- · Shooting nerve pain
- Worse with sitting/bending, improves with walking
- 4 view radiographs L-spine







CAUSES OF LABRAL TEARING

<u>ACUTE</u>

- Falls
- Motor vehicle accident
- Hyper flexion injury
- Hip pointer-blow to lateral hip

<u>CHRONIC</u>

- Repetitive hip flexion
- Running, walking, using stairs
- Sitting
- Getting in and out of car





- ≻ Labral Pathology
- ≻ C-sign
- > FADIR Test 8
 - > Flexion adduction, internal rotation
- \succ Stinchfield test
 - > Resisted straight-leg raise
 - > Decreased hip ROM



Weight-bearing AP Pelvis & frog leg lateral

MRA > MRI increased sensitivity of labra Pathology with dye ''





ARTHROSCOPIC HIP IMPINGEMENT

Pincer Deformity – Acetabulum

Cam Deformity – Femoral Head







OSTEOARTHRITIS

- Progressive, irreversible degenerative pathology
- Risk factors: >55 y/o, elevated BMI, family Hx
- Degradation of articular cartilage
- Osteophyte formation
- Subchondral bone sclerosis & cysts
- Identifiable on radiographs
- Pain worse with activities, relieved with rest
- Pain can be sharp, dull, stiff

19

Normal Joint Space Temur

OSTEOARTHRITIS TREATMENT

- Treatment options for Hip OA
 - Medication: Acetaminophen, NSAIDs
 - Physical Therapy
 - Ergonomics activity modification
 - Joint Injection: guided-hip injection with steroid
 - Total Hip Arthroplasty



GREATER TROCHANTERIC BURSITIS

- Lateral hip pain
- Inability to lay on affected side
- Pain with sitting, walking
- Over use/Under use
- Tenderness to greater trochanter
- Inject troch bursa with steroid, PT, NSAIDs
 - 10 mg/1ml Kenalog 1:4 lidocaine
- I% I0mg/Iml
 IF no improvement, consider MRI to rule out Gluteus medius tear.
- Ortho referral

21





















- Common
- +FABER, tenderness ITB
- Complaints of "popping"
- Treat conservatively

 Gluteus

 Gluteus

 Braximus

 Gluteus

 Braximus

 Gluteus

 Braximus





POST-PREGNANCY HIP PAIN

- Pelvic Girdle Pain acute, I-3 months, post-partum
- Increased Joint Laxity hormonal changes
- Labral Tears- 6+ months
- Method of Delivery
 - The range of motion that is most often forced in the hip during labor is flexion and internal or external rotation, combined with abduction. (Hermann)
 - Assistant during labor can pull the ankle while mother in hip flexion, internally rotating hip and increased pinch on labrum (Domb)
 - C-section, Vaginal birth with Epidural



ASSESSMENT POST-PARTUM HIP PAN

PHYSICAL EXAM

- +C sign
- +FADIR
- +FABER
- +Log Roll
- +Stinchfield
- +McCarthy
- Figure Four (SI joint dysfunction)

COMPLAINTS

- Ache
- Sharp
- +pain hip flexion
- +pain weight bearing activity
- 6+ months







IS IT THE SHOULDER?

SHOULDER

- Anterior/Lateral
- Can radiate to elbow
- Dull, achy
- +pain Abduction (Bokshan et al., 2016)



NECK

- Posterior
- Radiate to fingers
- Sharp, shooting
- Can cause referred shoulder pain
- Doesn't hurt with shoulder ROM







SHOULDER IMPINGEMENT

• Pinching of rotator cuff between Acromium and Humerus

Repetitive Overhead activity

- Decrease in Subacromium space
- Causes swelling, bursitis, bone spurring
- Physical Exam: +pain overhead, anterior pain, lying on affected side, +lift-off test, +Neer, + Hawkins
- Imaging: Radiographs (3 views + Axillary), MRI if no improvement, concerned cuff tear
- Treatment Conservative *Injection*
- Surgery Arthroscopic Subacrominal Decompression



SHOULDER OSTEOARTHRITIS

- Age
- Degenerative joint disease
- Loss Glenohumeral joint space
- Painful & Limited ROM, +Crepitus
- Pain at rest
- Radiographs (AP, lateral axillary)
- Treatment Conservative, Surgery
- Total vs Reverse Total









SHOULDER "PEARLS FOR PRACTICE"

- Don't under-estimate Physical Therapy
- MR Arthrogram if < 40
- Differentiate shoulder vs neck
- Shoulder differential dx
- Injections- diagnostic and/or therapeutic
- Ortho referral



