

UT Southwestern Department of Radiology

Ultrasound- Hips Limited Static < 2 years / > 2 years old

PURPOSE:

To evaluate for synovitis/effusion and hip pain.

SCOPE:

Applies to all ultrasound Hip Limited Static evaluation studies performed at Imaging Services / Radiology

INDICATIONS:

- Hip pain

CPT CODE: 76886

- The exact cause is unknown, but three major causes have been proposed:
 - Viral infection
 - Allergic reaction
 - Trauma
- Signs and symptoms include:
 - acute or insidious onset of hip, knee pain or limp.
 - Leg is usually held in a position of flexion and external rotation to avoid pain.
 - Pain is generally localized to the groin region, anterior thigh and medial knee.
 - Low grade- fever with only mild leukocytosis
 - Boys affected twice as often as girls

CONTRAINDICATIONS:

No absolute contraindications

EQUIPMENT:

Linear array transducers:

EPIQ 7G L12-5. If patient is over BMI recommendations L12-3.

EPIQ 5G eL18-4. If patient is over BMI recommendations L12-3.

GE LOGIC E9 ML6-15.

IU22 L12-5. If patient is over BMI recommendations L9-3.

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Curved array transducers:

EPIQ 7G C9-2 OR 2-5 MHz, to view in larger patients for penetration

EPIQ 5G C9-2 OR 2-5 MHz, to view in larger patients for penetration

GE LOGIC C1-5

IU22 C1-5

PATIENT PREPARATION:

- Place patient in a supine position with hip in neutral position.

EXAMINATION:

GENERAL GUIDELINES:

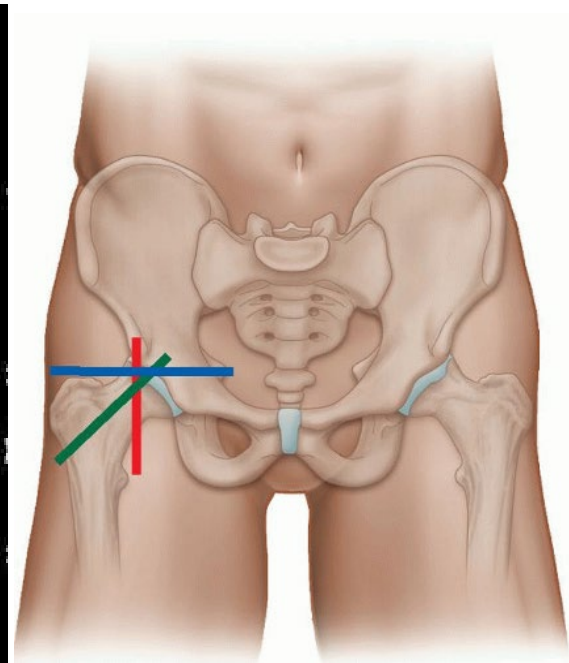
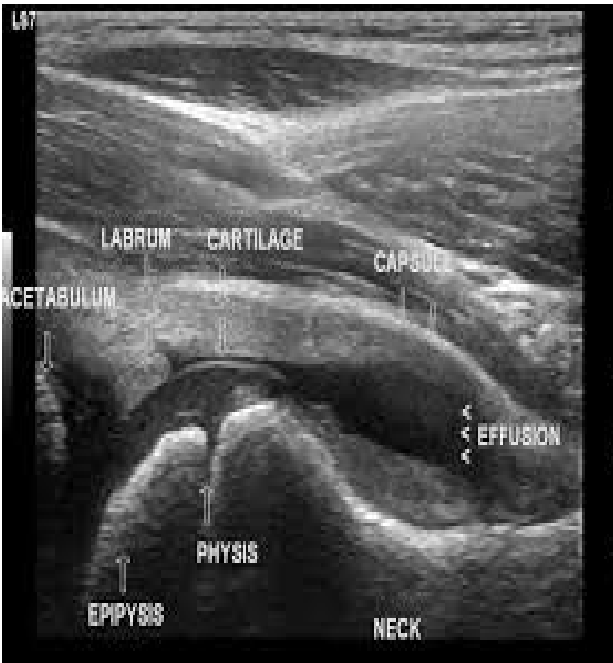
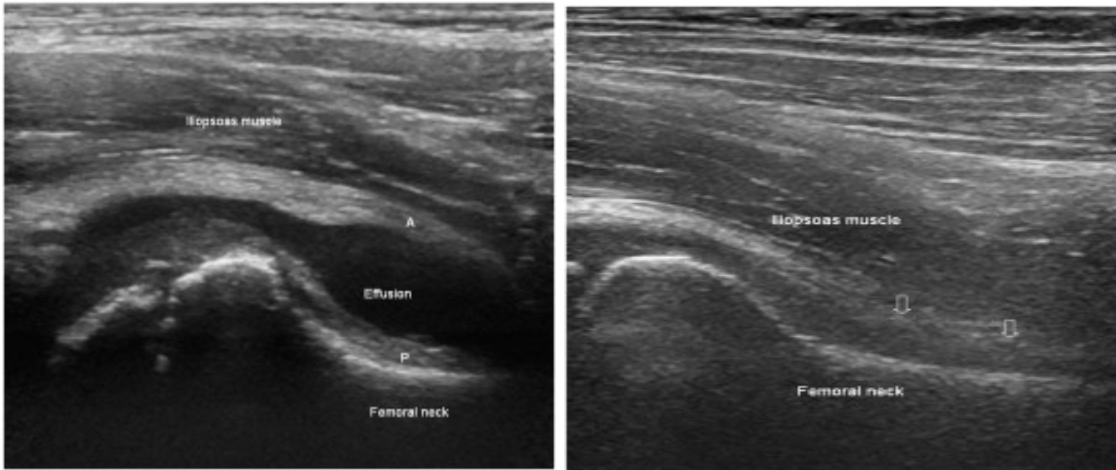
Scanning is performed from an anterior approach with the transducer in a sagittal plane parallel to the femoral neck. Comparison views are obtained of the opposite hip. Label the symptomatic side when imaging.

EXAM INITIATION:

- Introduce yourself to the patient (AIDET)
- Verify patient identify using patient name and DOB
- Explain Test
- Obtain patient history including symptoms.
- Enter and store data page
- Place patient in supine position.

TECHNIQUE CONSIDERATIONS:

- **Review any prior imaging exams that are available, making note of any abnormalities that require further evaluation.**
- Take two images of the right hip in anterior approach along the long axis of the femoral neck in the parasagittal plane. Label Long right hip
- Take one image on dual screen with right vs left hip for comparison. Label symptomatic side.
- Take one image on dual screen with measurements
- Take two images of left hip in anterior approach along the axis of the femoral neck in the parasagittal plane. Label Long Left hip



****Red Line is probe placement**

PROCESSING:

- Export all images to PACS
- Review examination images and data on PACS
- Document relevant history and impressions in primordial.
- Present images to Radiologist

REFERENCES:

Siegel, Marilyn, (2002). Pediatric Sonography. Philadelphia, PA: Lippincott Williams and Wilkins.

REVISION HISTORY:

UT Southwestern Department of Radiology

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APPROVED BY:	Jeannie Kwon, M.D.	Title	Director of Ultrasound
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