



Disclosures

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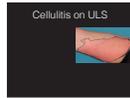
Ultrasound Indications

- Cellulitis vs Abscess

- Cellulitis vs Abscess
- Microabscesses vs Necrotic Structures

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- Microabscesses vs Necrotic Structures
- Simple Abscesses vs Deep Space Abscesses

- Cellulitis vs Abscess
- Microabscesses vs Necrotic Structures
- Simple Abscesses vs Deep Space Abscesses
- Identifying Soft Tissue Infections



- Cellulitis: Increased echogenicity
- 

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- 



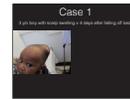
- Cellulitis: Increased echogenicity
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- Cellulitis: Increased echogenicity
 - Microabscesses
 - FAST: Abscesses vs cellulitis
- 

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Case 1

Case 1
3 y/o boy with acute swelling 4-5 days after falling off bike



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Case 2

Case 2
10 y/o girl with acute swelling 4-5 days after falling off bike





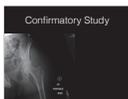
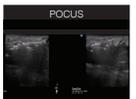
Case 3

* 39 yo with h/o HIV (ant-eat 400s) and
CLD w/ Left Hip Pain and Swelling



Labs

11.7	8.8	< 105
132	101	75
47	30	1.72
		68



LRINEC

WBC	11.7	< 10.5
Serum CRP	132	< 10
Serum Procalcitonin	47	< 0.5
Serum Ferritin	101	< 50
Serum IL-6	30	< 10
Serum IL-8	1.72	< 1.0
Serum IL-10	68	< 10

LRINEC score: 10 (High, likely infected)

Follow-Up

- * 33 Day Hospital Stay

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Clinical Suspicion

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RV

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RV IDU

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Lactate: 6.0

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Creatinine: 1.20-1.30s

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RV IDU
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Case 4
45 yo with a hx OUD on 1 week of
intravenous buprenorphine and
naloxone

VS: 40.0 98/60 120 20 95/100



Labr
• WBC 12.1
• Lactate 1.4
• Creatinine 1.0



Confirmatory Study



Follow-Up



Follow-Up

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• 23 Day Hospital Stay

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• up to CR Walk

Follow-Up
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• up to CR Walk
• Normal Reaction Post PLE

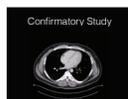
Follow-Up
• 23 Day Hospital Stay
• up to CR Walk
• Normal Reaction Post PLE
• Limb & Life Saved!

Case 5
45 yo with 1 week of bilateral pain
Treated with MR meds and steroids at
CR. Tending and treatment 1 Day

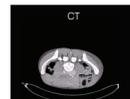
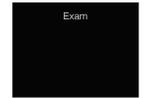
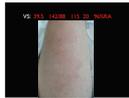
VS: 37.0 127/70 104 18 100/100

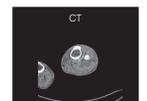
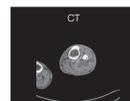
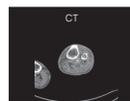
VS: 37.0 127/70 104 18 100/100
• Bil. Intercostal swelling PLE
• Possible with 12/18/20 area of Biceps

POCUS



Follow Up





Take Home

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