

University of California QPLE - Hip Pain AUC 2021-08-03

Priority Clinical Area Coverage

This AUC reasonably addresses common and important clinical scenarios within the "Hip pain" Priority Clinical Area (PCA) and thus meets the minimum requirement for qCDSM to cover that PCA. However, by CMS definition of relevancy, it is not considered relevant to that PCA, as further described here <https://qple.ucop.edu/auc>

Condition and Scores

Appropriate - preferred (4)

Appropriate (3)

Radiology consultation recommended (2)

Inappropriate (1)

No AUC applicable (0)

	Xray	Ultrasound	MR w	MRI wwo	MRI wo	MRI arthrogram	CT w	CT wo	CT wwo	CT arthrogram	DECT Hip	OCEBM Evidence Grade*	References
No hip pain	0	0	0	0	0	0	0	0	0	0	0		
Hip pain, x-ray not done	4	1	1	1	1	1	1	1	1	1	1	B	2, Consensus
Hip pain, traumatic injury/high-energy trauma	1	1	1	1	4	1	1	3	1	1	1	A	2,3,9,12,14
Hip pain, s/p hip procedure with embedded hardware	1	3	1	1	3	1	1	3	1	1	4	B	4
Hip pain, s/p hip procedure with embedded hardware, no DECT	1	4	1	1	4	1	1	4	1	1	1		Consensus
Hip pain, inflammatory arthritis (known or suspected)	1	3	1	4	3	1	3	3	1	1	1	C	5,11
Hip pain, septic arthritis (known or suspected)	1	3	1	4	3	1	3	3	1	1	1		Consensus
Hip pain, abscess or osteomyelitis (known or suspected)	1	3	1	4	3	1	3	3	1	1	1		Consensus
Hip pain, acetabular labral or hip cartilage derangement (known or suspected)	1	1	1	1	3	4	1	1	1	3	1	C	1,6,7,13
Hip pain, hip bone neoplasm (known or suspected)	1	1	1	1	3	1	1	4	1	1	1		Consensus
Hip pain, hip soft tissue neoplasm (known or suspected)	1	3	1	4	3	1	3	3	1	1	1		Consensus
Hip pain, hip osteoarthritis moderate or severe	4	1	1	1	1	1	1	1	1	1	1	B	2, Consensus
Hip pain, atraumatic, less than 6 weeks, no moderate to severe osteoarthritis	1	1	1	1	4	1	1	3	1	1	1	B	8,10 Consensus
Hip pain, atraumatic, 6 weeks or more, no moderate to severe osteoarthritis	1	3	1	1	4	1	1	3	1	1	1	B	8,10 Consensus
Hip Pain, infection of hip joint (known or suspected)	1	3	1	4	3	1	3	3	1	1	1		Consensus
Hip Pain, infection of soft tissues of hip (excluding joint) (known or suspected)	1	4	1	4	4	1	4	3	1	1	1		Consensus

***AUC Evidence Grading**

The Oxford Centre for Evidence Based Medicine is used for assigning AUC grades. The grades are based on the level of evidence of the references according to the following:

Grade A = Level 1

Grade B = Level 2

Grade C = Level 3 or less

Hip Pain AUC References and OCEBM Evidence Level

1. Bencardino, J.T., et al., *Synovial plicae of the hip: evaluation using MR arthrography in patients with hip pain*. Skeletal Radiol, 2011. **40**(4): p. 415-21. Level 3.
2. Blum, A., A. Raymond, and P. Teixeira, *Strategy and optimization of diagnostic imaging in painful hip in adults*. Orthop Traumatol Surg Res, 2015. **101**(1 Suppl): p. S85-99. Level 2.
3. Cannon, J., S. Silvestri, and M. Munro, *Imaging choices in occult hip fracture*. J Emerg Med, 2009. **37**(2): p. 144-52. Level 1
4. Cooper, H.J., et al., *Magnetic resonance imaging in the diagnosis and management of hip pain after total hip arthroplasty*. J Arthroplasty, 2009. **24**(5): p. 661-7. Level 4.
5. Deslandes, M., et al., *The snapping iliopsoas tendon: new mechanisms using dynamic sonography*. AJR Am J Roentgenol, 2008. **190**(3): p. 576-81. Level 3.
6. Ha, Y.C., et al., *The diagnostic value of direct CT arthrography using MDCT in the evaluation of acetabular labral tear: with arthroscopic correlation*. Skeletal Radiol, 2013. **42**(5): p. 681-8. Level 3.
7. Jung, J.Y., et al., *Diagnostic value of ultrasound and computed tomographic arthrography in diagnosing anterosuperior acetabular labral tears*. Arthroscopy, 2013. **29**(11): p. 1769-76. Level 4.
8. Khurana, B., et al., *Abbreviated MRI for patients presenting to the emergency department with hip pain*. AJR Am J Roentgenol, 2012. **198**(6): p. W581-8. Level 3.
9. Kim, C., et al., *Association of hip pain with radiographic evidence of hip osteoarthritis: diagnostic test study*. Bmj, 2015. **351**: p. h5983. Level 1.
10. Lubovsky, O., et al., *Early diagnosis of occult hip fractures MRI versus CT scan*. Injury, 2005. **36**(6): p. 788-92. Level 4.
11. Martin, H.D., S.A. Shears, and I.J. Palmer, *Evaluation of the hip*. Sports Med Arthrosc Rev, 2010. **18**(2): p. 63-75. Level 4.
12. Mast, N.H., et al., *Reliability and agreement of measures used in radiographic evaluation of the adult hip*. Clin Orthop Relat Res, 2011. **469**(1): p. 188-99. Level 3.
13. Perdikakis, E., et al., *Comparison of MR-arthrography and MDCT-arthrography for detection of labral and articular cartilage hip pathology*. Skeletal Radiol, 2011. **40**(11): p. 1441-7. Level 3.
14. Sankey, R.A., et al., *The use of MRI to detect occult fractures of the proximal femur: a study of 102 consecutive cases over a ten-year period*. J Bone Joint Surg Br, 2009. **91**(8): p. 1064-8. Level 3.

Contact Peter.Vigil@ucsf.edu to submit comments or request changes for AUC