

Femoroacetabular Impingement (FAI)

Prevention and management

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DIAGNOSIS

Femoroacetabular
Impingement
Syndrome

Triad of symptoms, signs
and radiological features

Radiological findings
of cam or pincer
morphology on
plain radiographs



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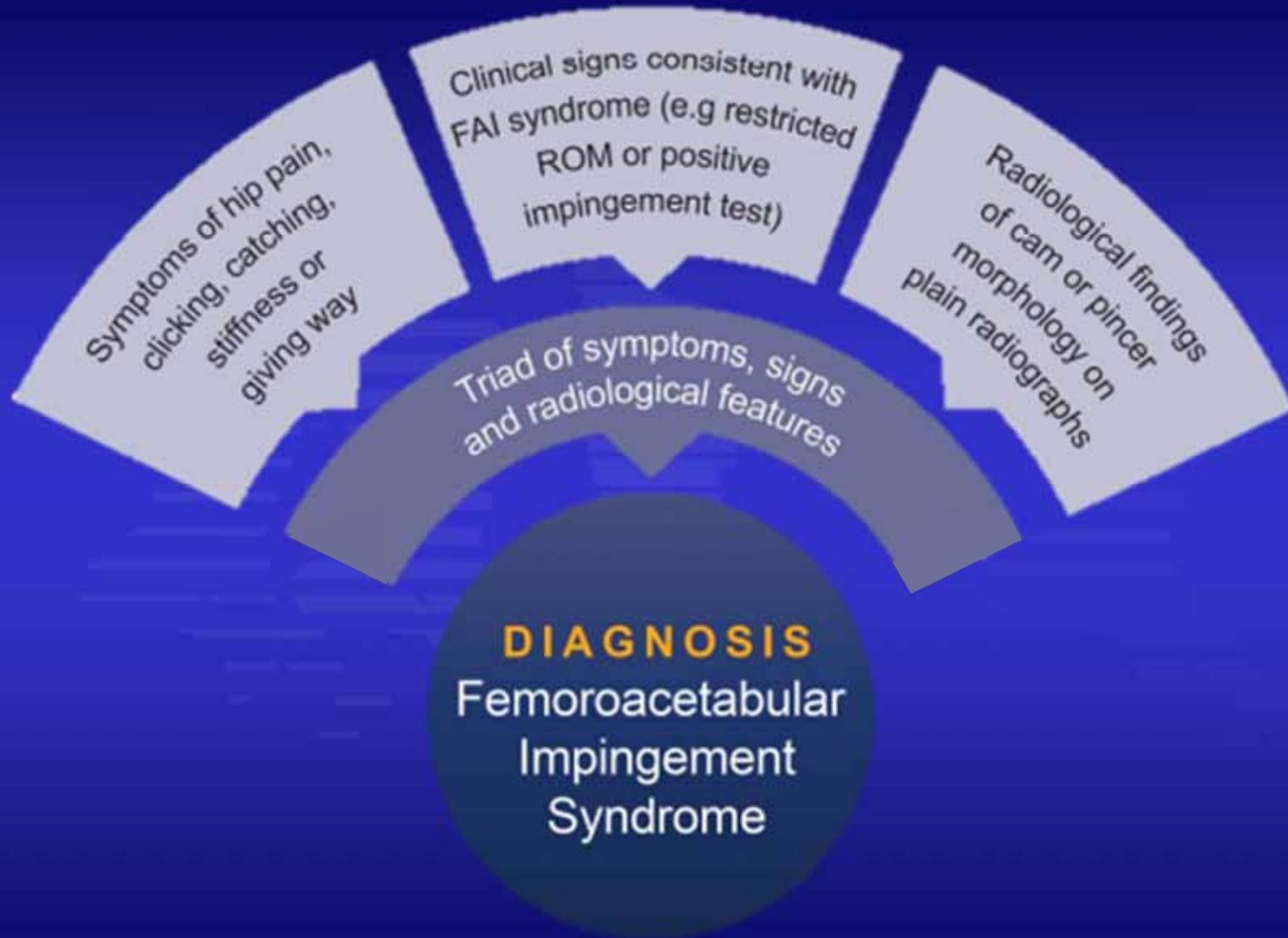
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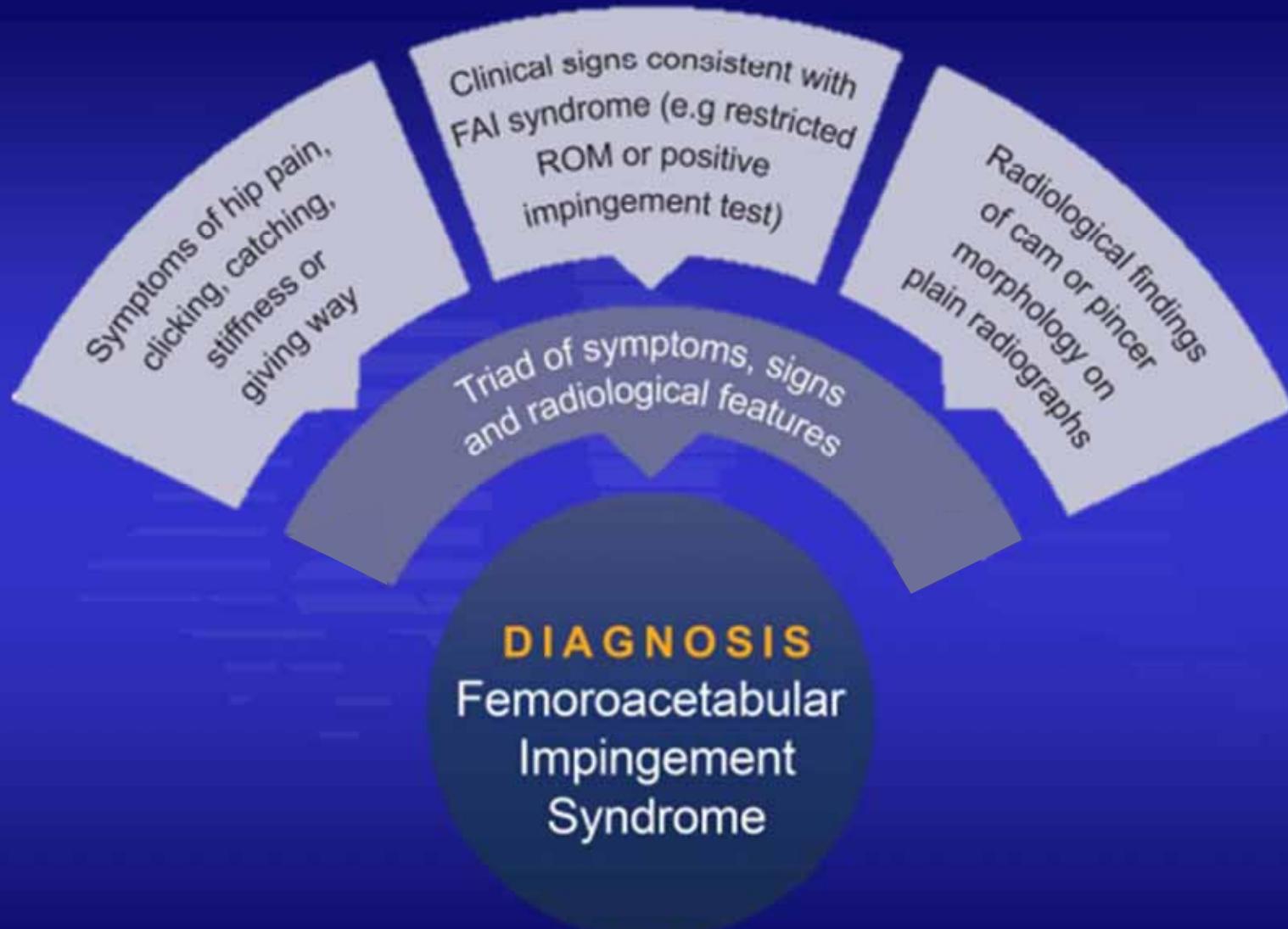
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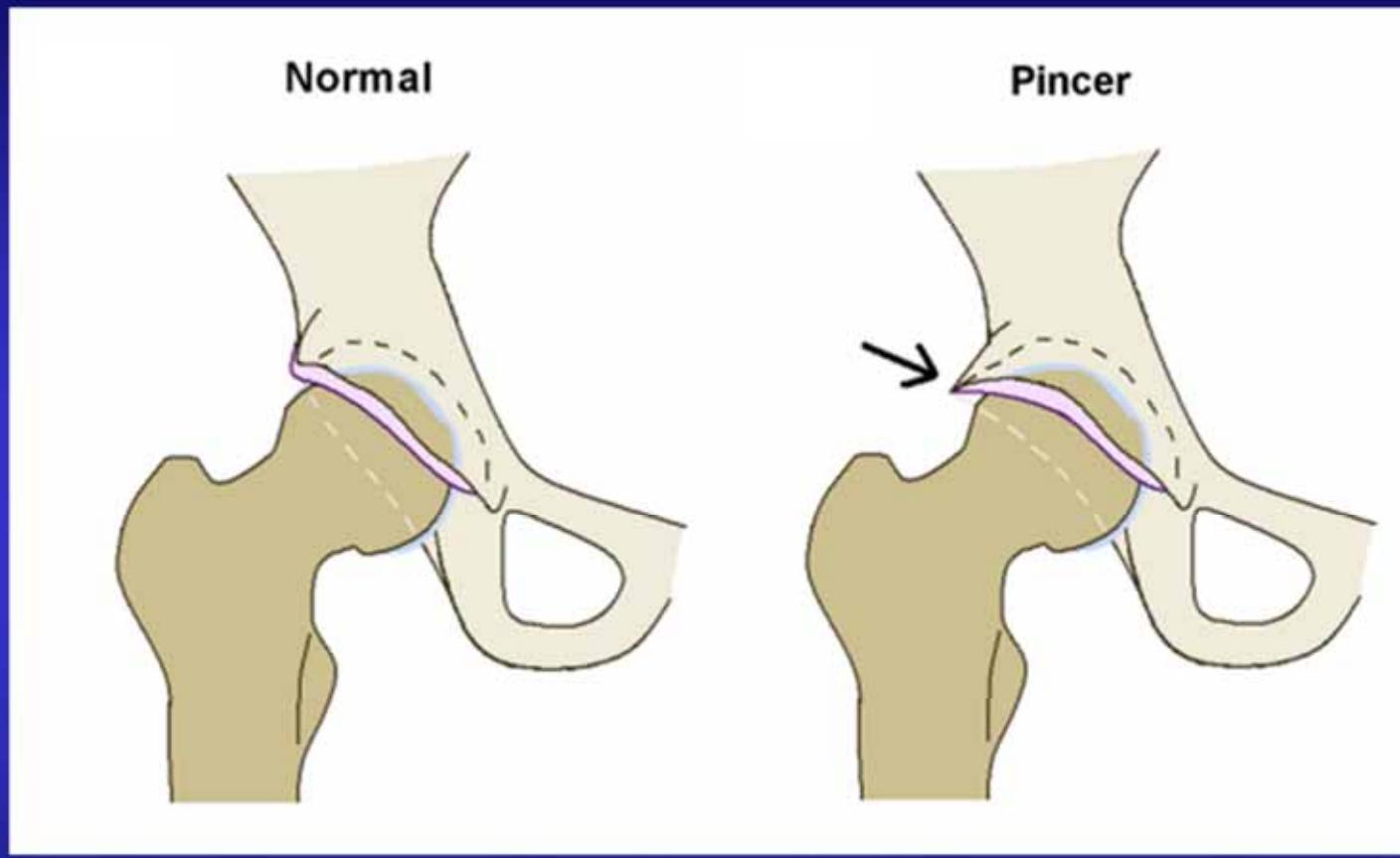
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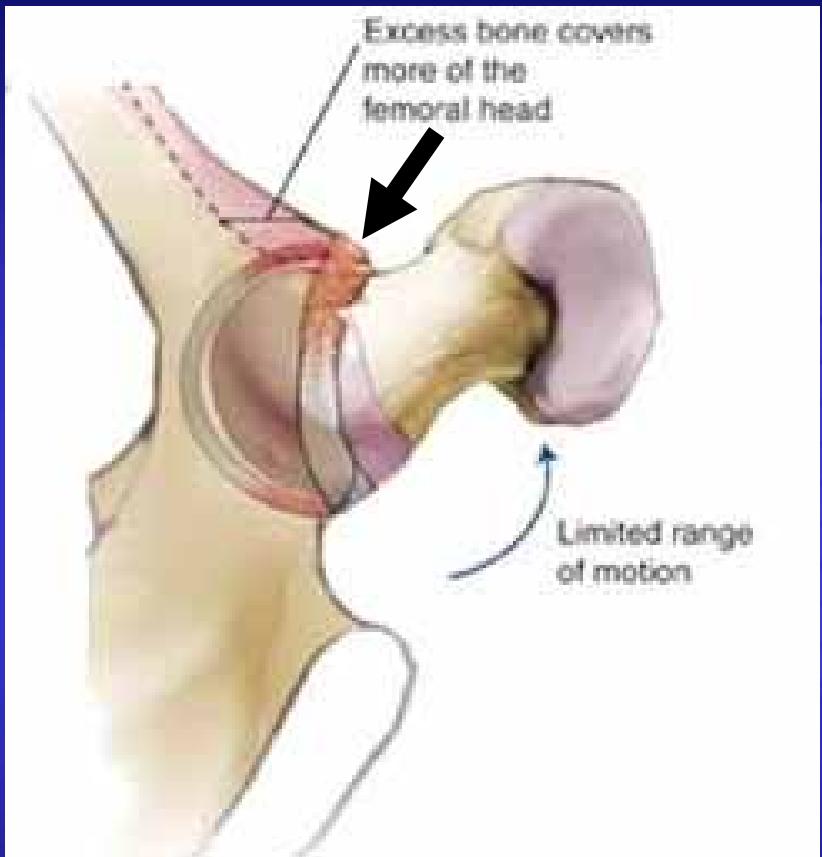
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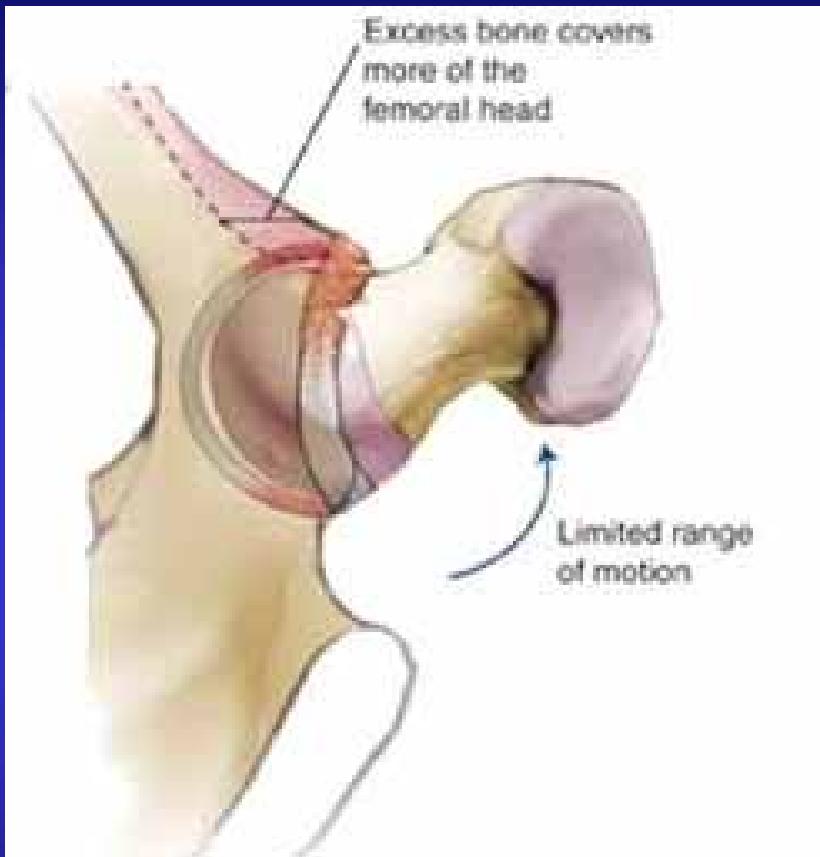
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Fraser, J. L., Sugimoto, D., Yen, Y.-M., d' Hemecourt, P. A., & Stracciolini, A. (2017). Bony Morphology of Femoroacetabular Impingement in Young Female Dancers and Single-Sport Athletes. *Orthopaedic Journal of Sports Medicine*, 5(8), 232596711772310.

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Radiographic view	Incident OA
	Adjusted OR (95% CI)
AP + FP LCEA + ACEA > 40° <i>(n = 141 hips)</i>	0.34 (0.13–0.87) P = 0.025

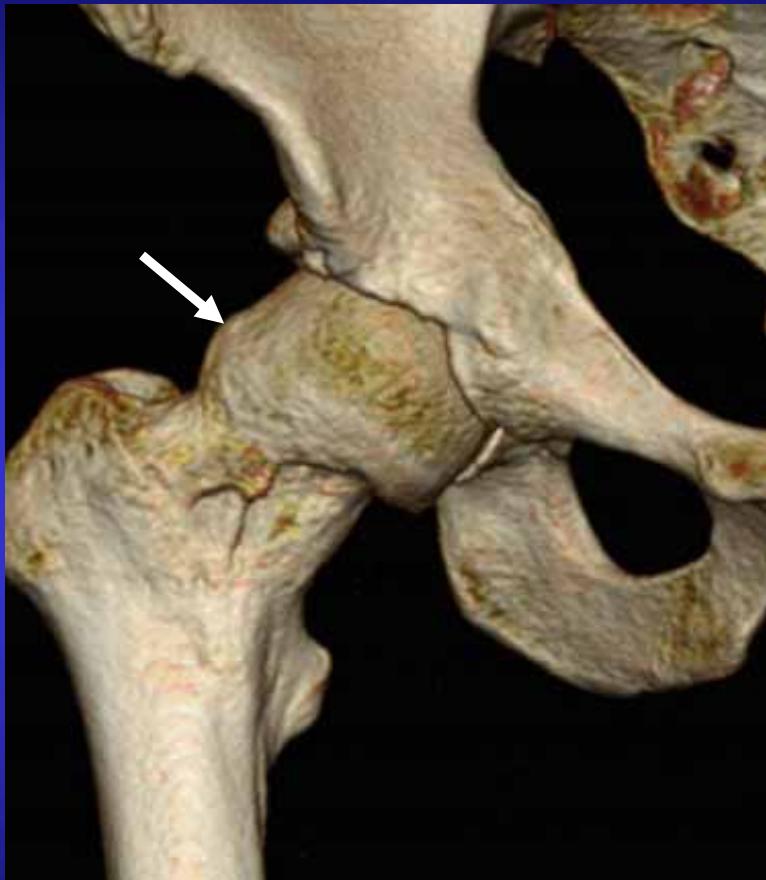


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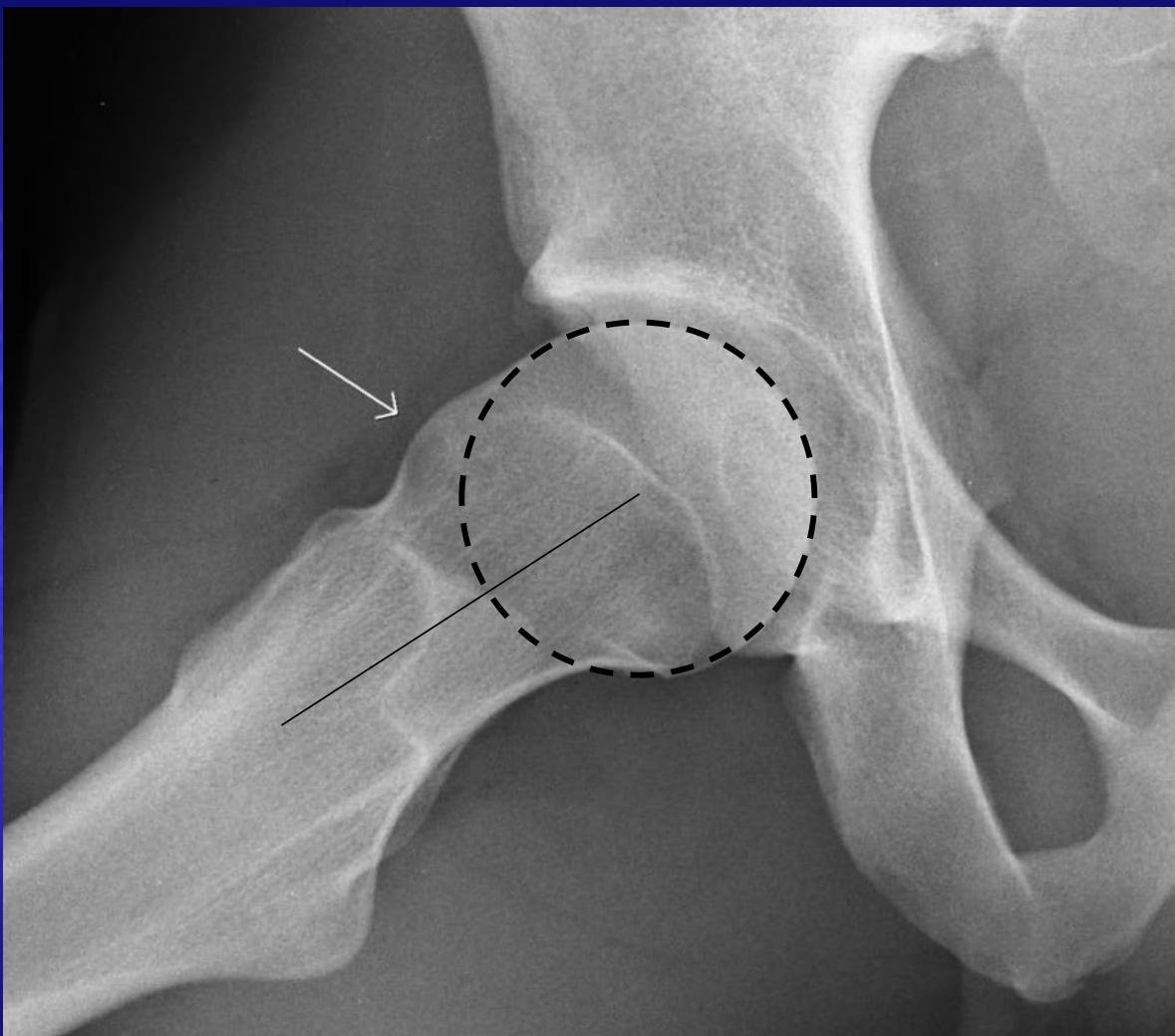
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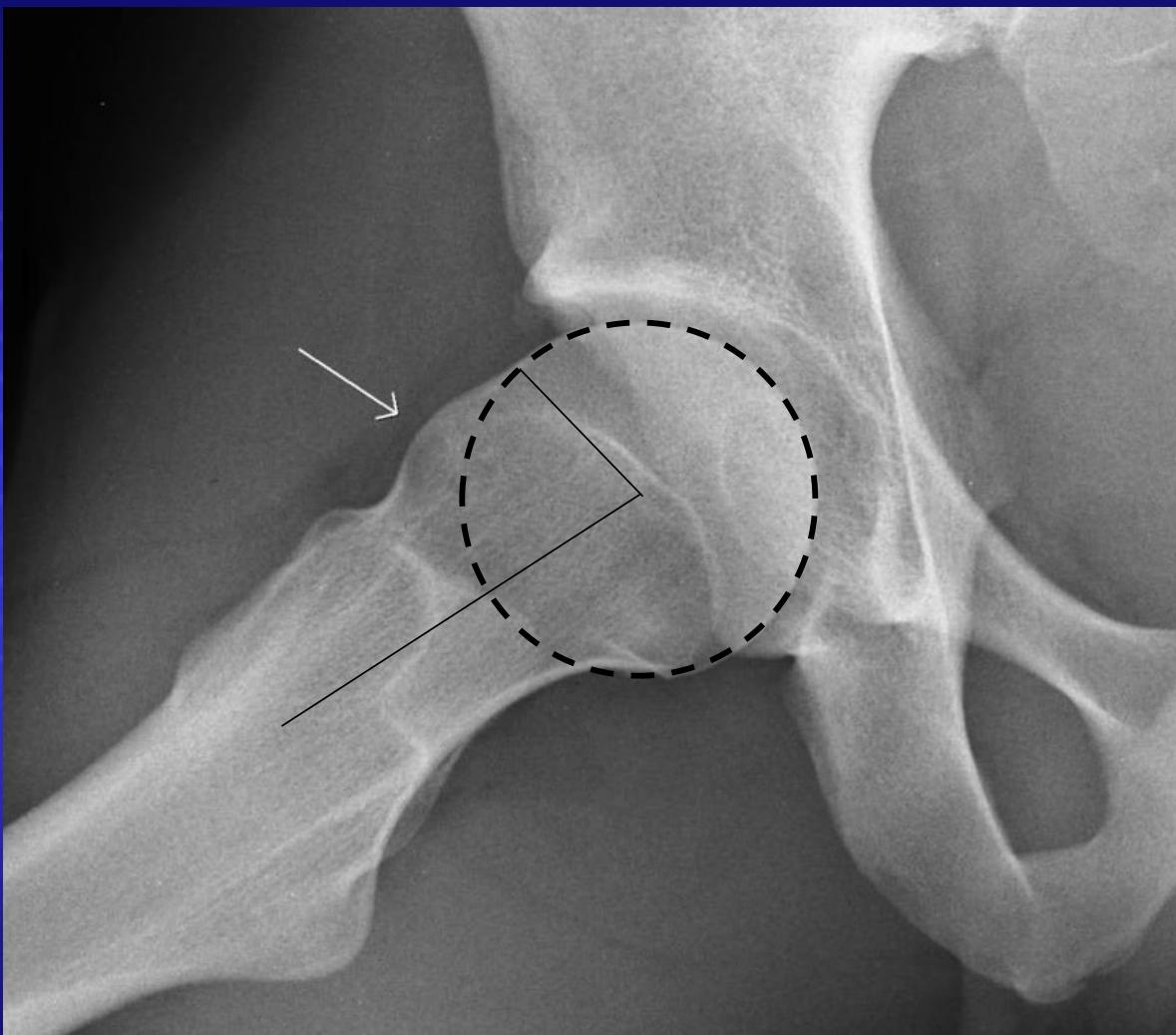
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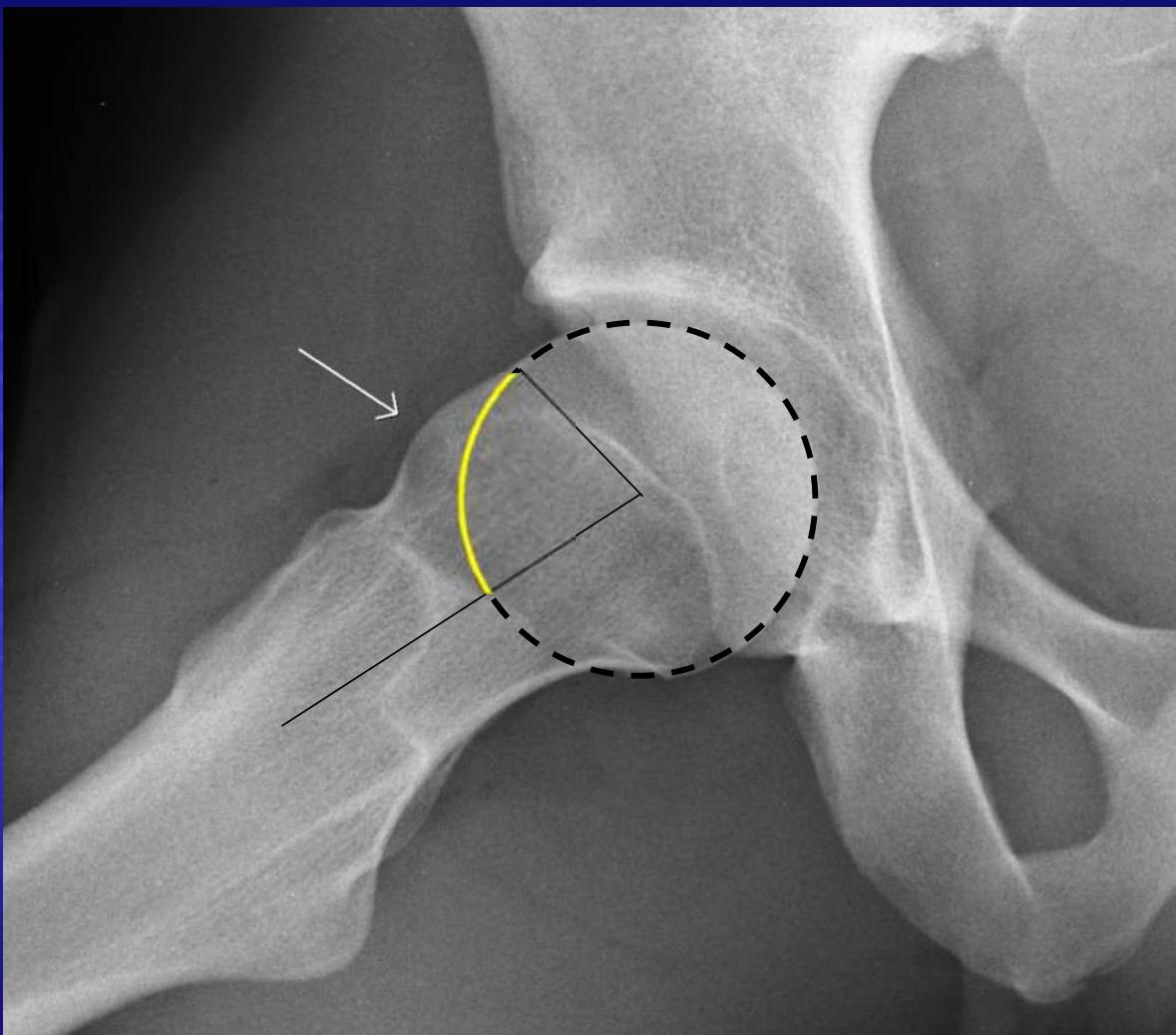
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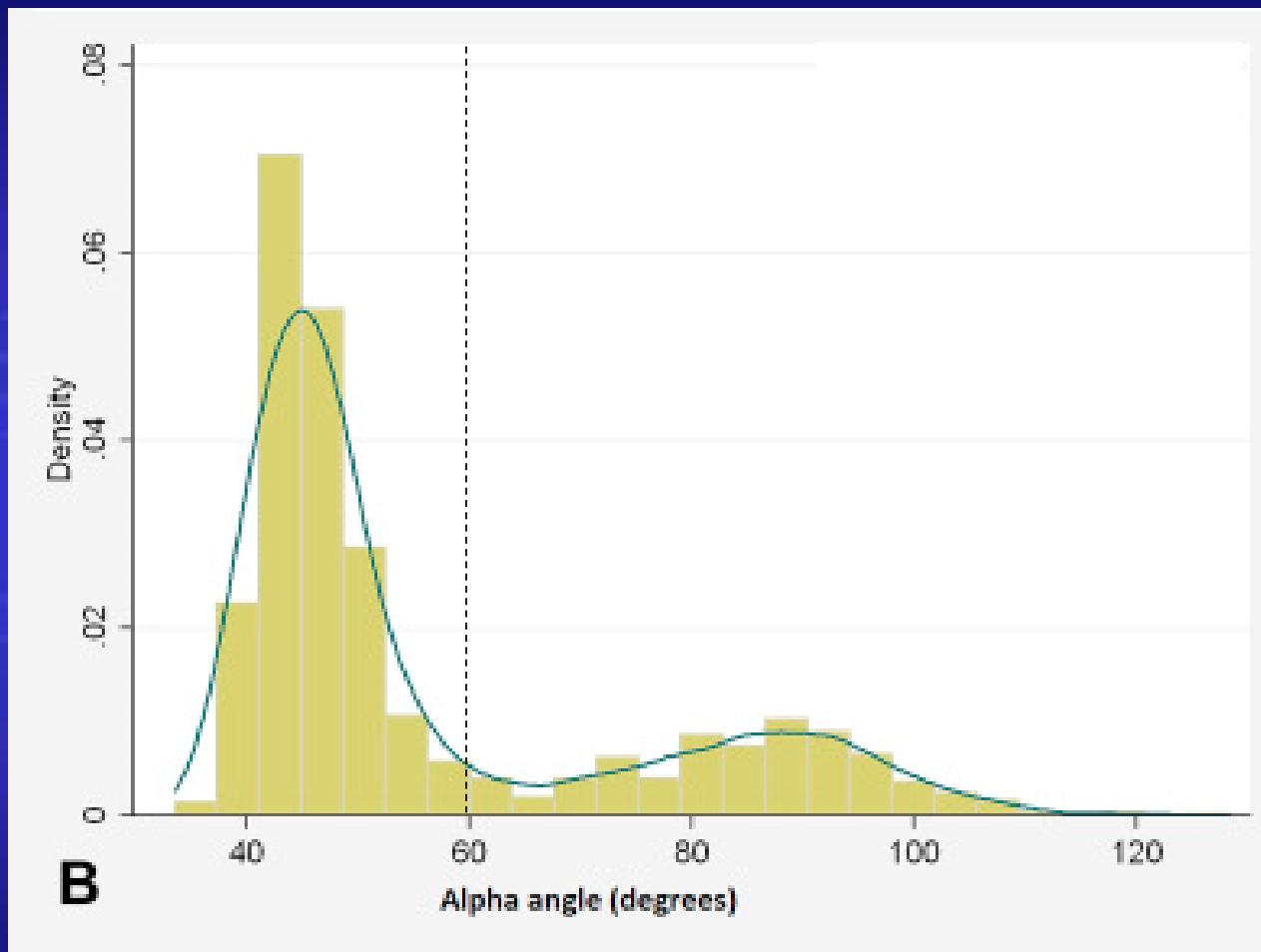
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Cam impingement parameter	OR (95% CI)
Radiographic α Angle >60°	6.82 (3.55 to 13.10)
α Angle >83°	17.71 (8.71 to 36.02)

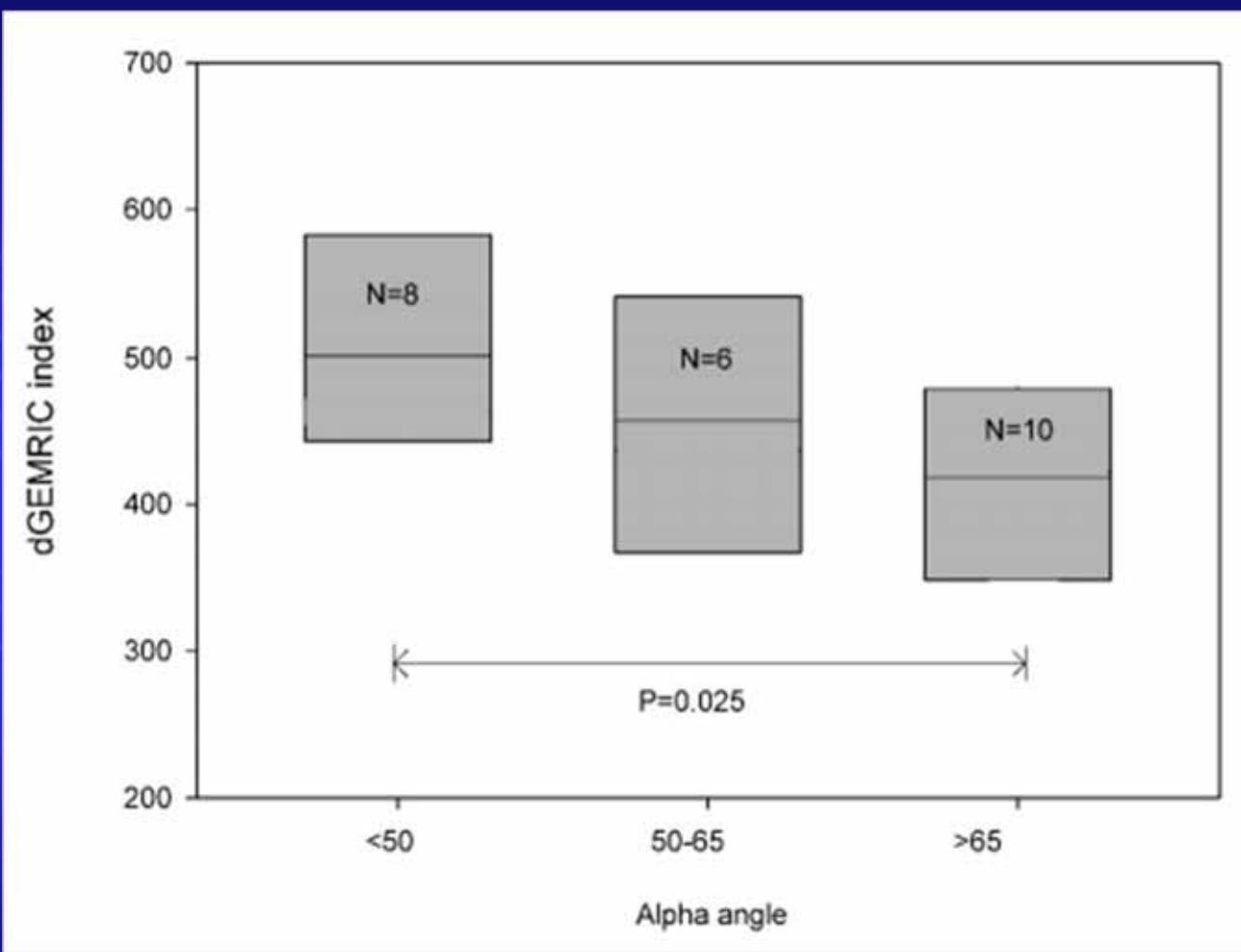


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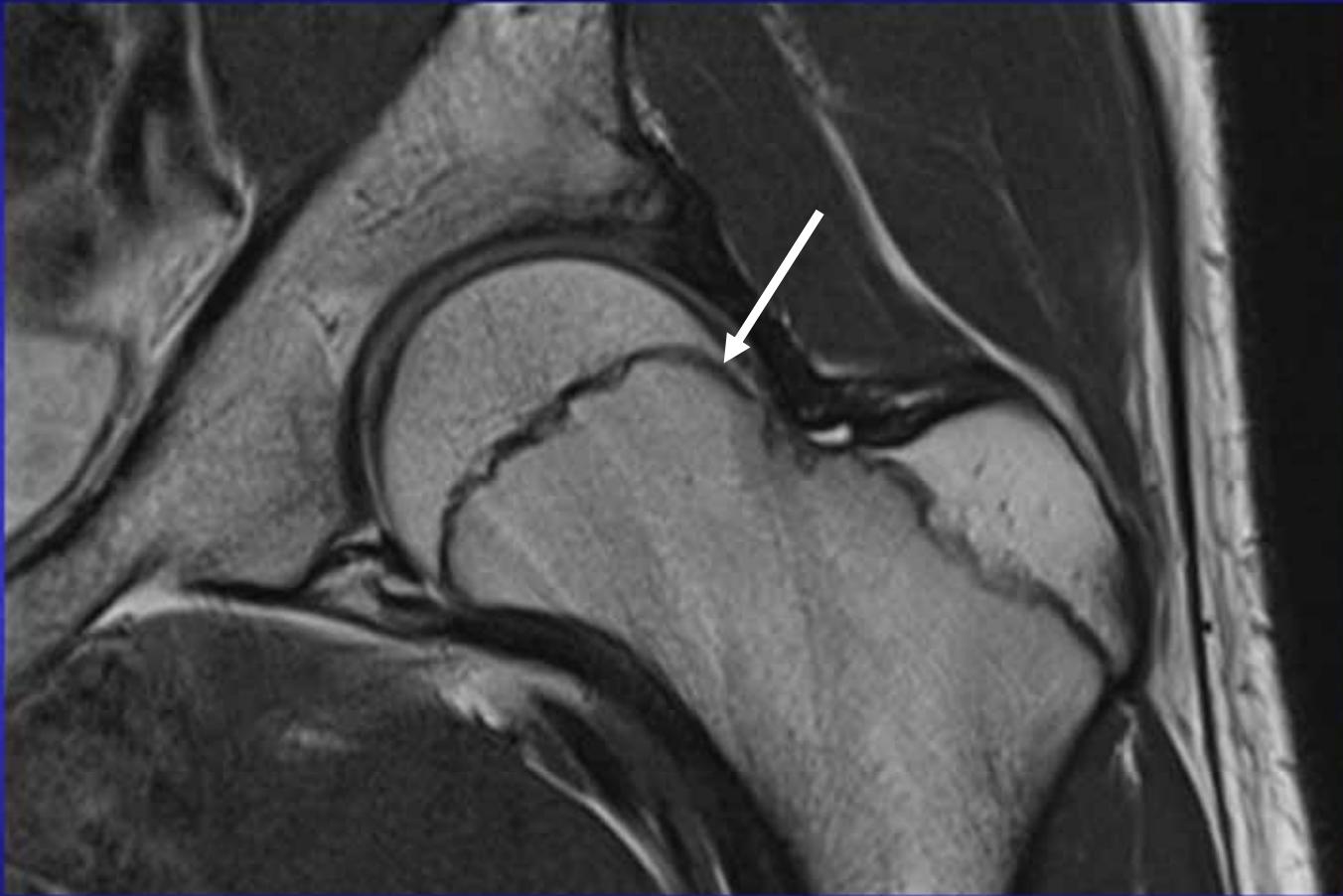
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<http://www.mri.melbourne/mri/paediatric-mri-series-hip/>

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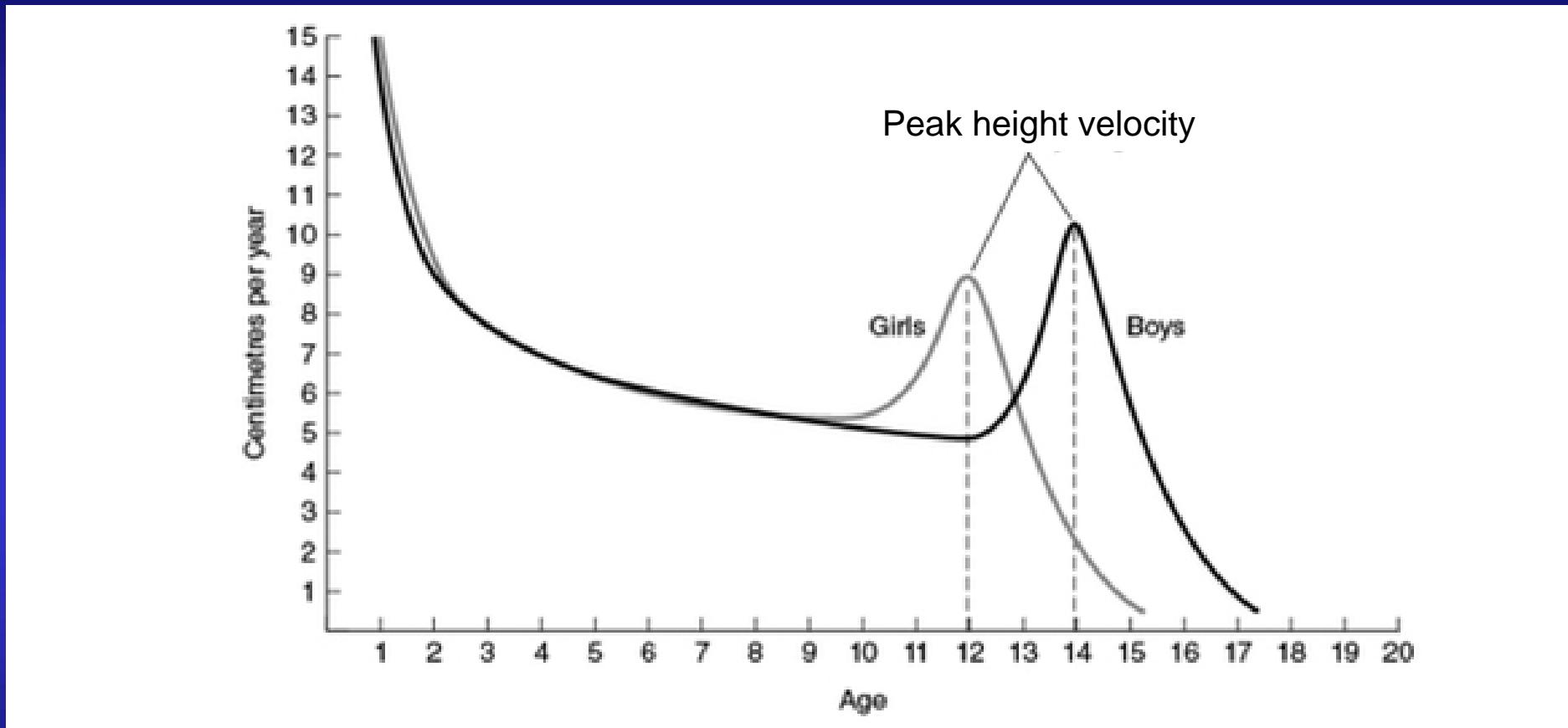


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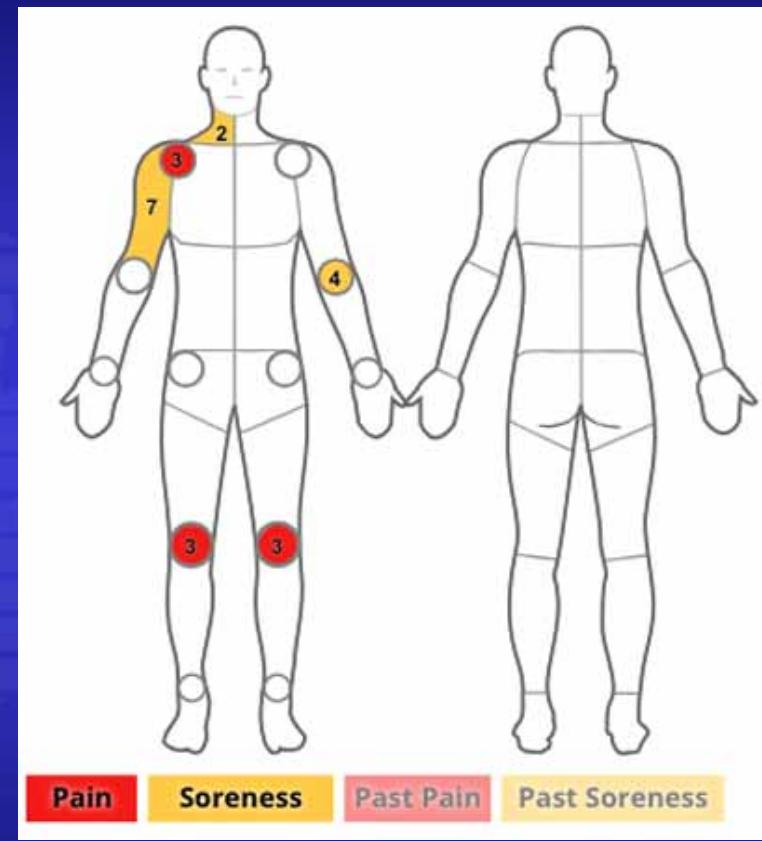


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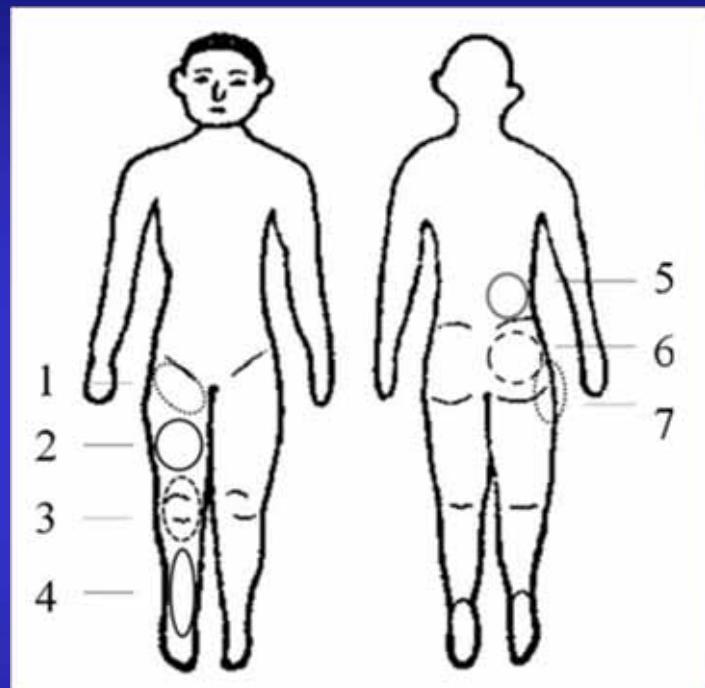


Table 1 Sensitivity and specificity of pain location for hip osteoarthritis

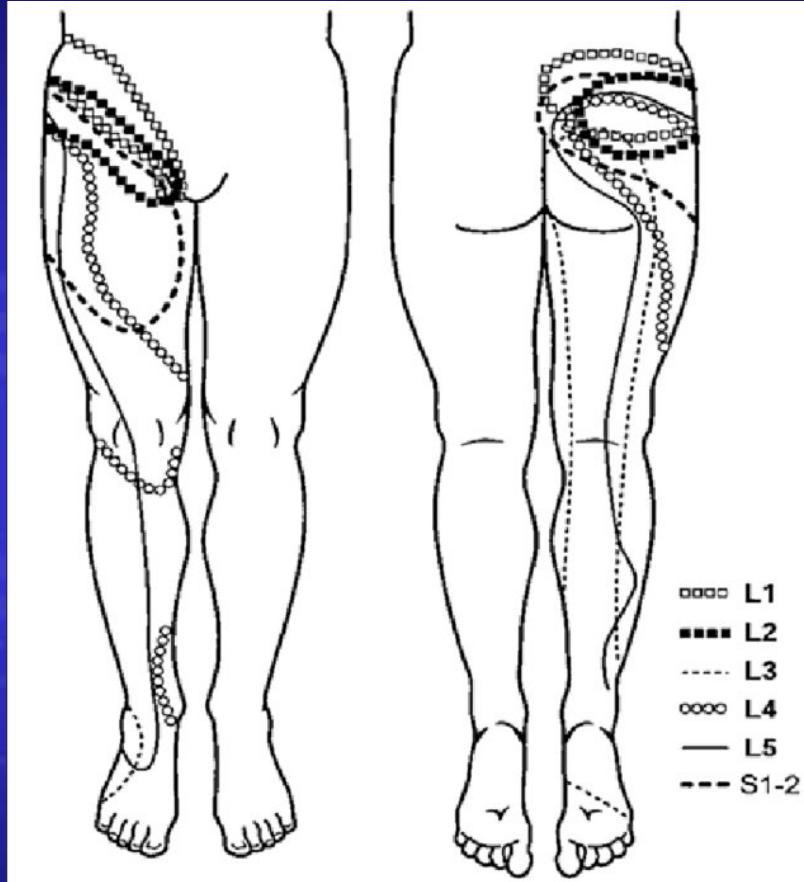
Location of pain	Sensitivity for hip pain (%)	Specificity for hip pain (%)
Groin pain	84.3	70.3
Buttock pain	76.4	61.1
Anterior thigh pain	58.8	25.9
Posterior thigh pain	43.7	59.9
Anterior knee pain	68.6	48.1
Posterior knee pain	50.9	44.4
Shin pain	47	35.2
Calf pain	29.4	40.7

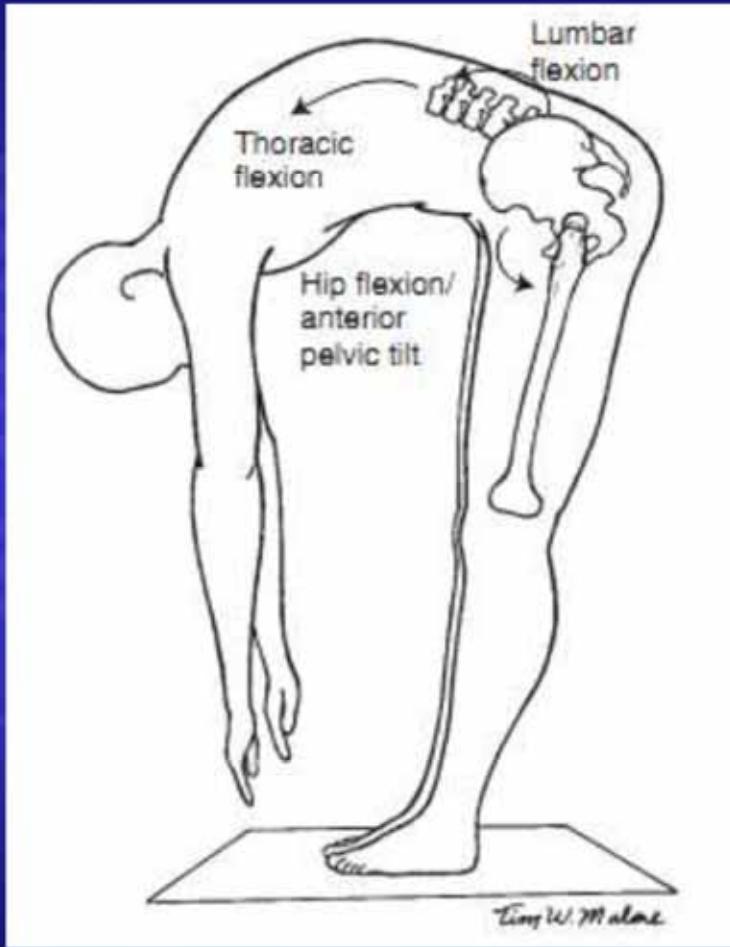
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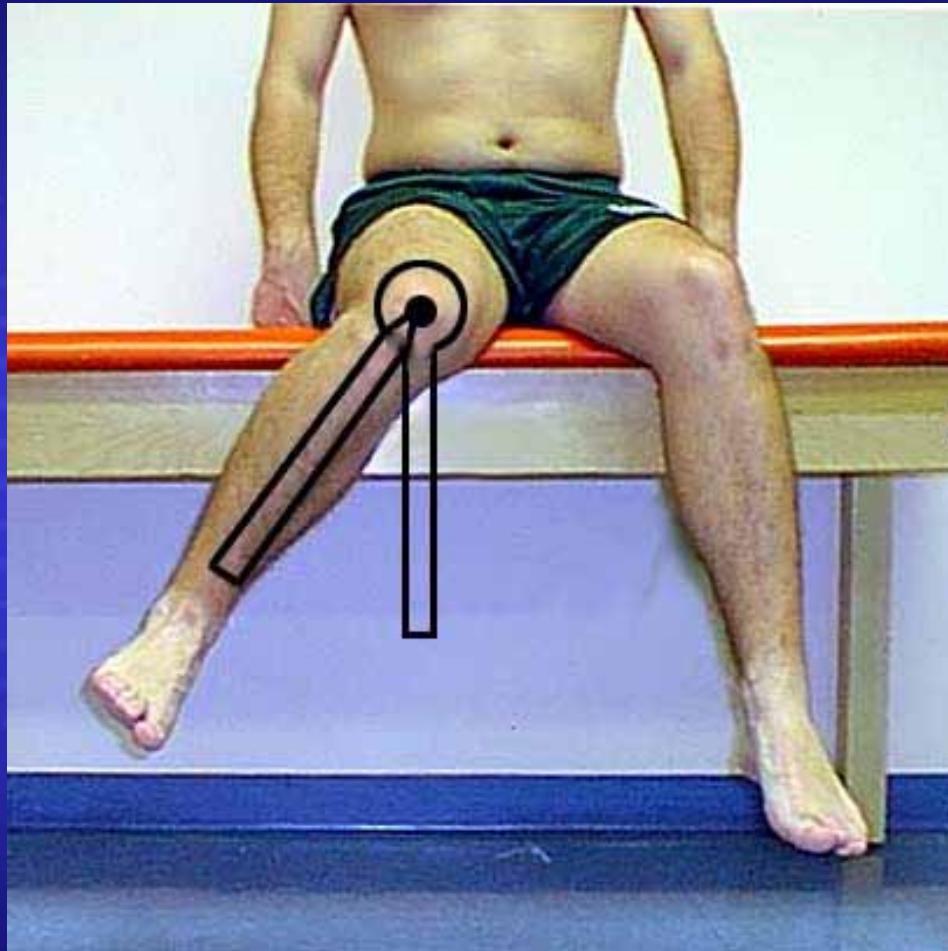




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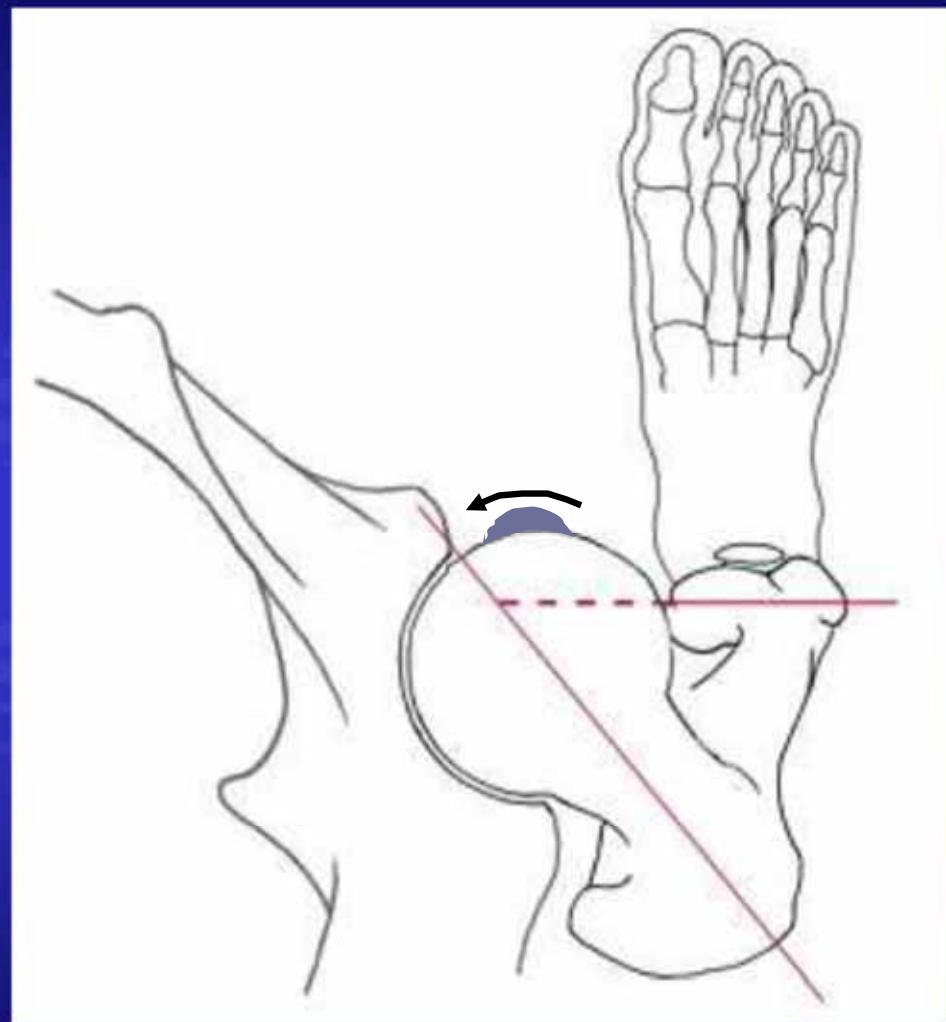
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Cam impingement parameter		Unadjusted OR (95% CI)
Clinical	Hip internal rotation $\leq 20^\circ$	9.34 (4.66 to 18.71)
Combined	α Angle $>83^\circ$ and hip internal rotation $\leq 20^\circ$	



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Cam impingement parameter		Unadjusted OR (95% CI)
Clinical	Hip internal rotation $\leq 20^\circ$	9.34 (4.66 to 18.71)
Combined	α Angle $>83^\circ$ and hip internal rotation $\leq 20^\circ$	53.79 (20.96 to 138.08)



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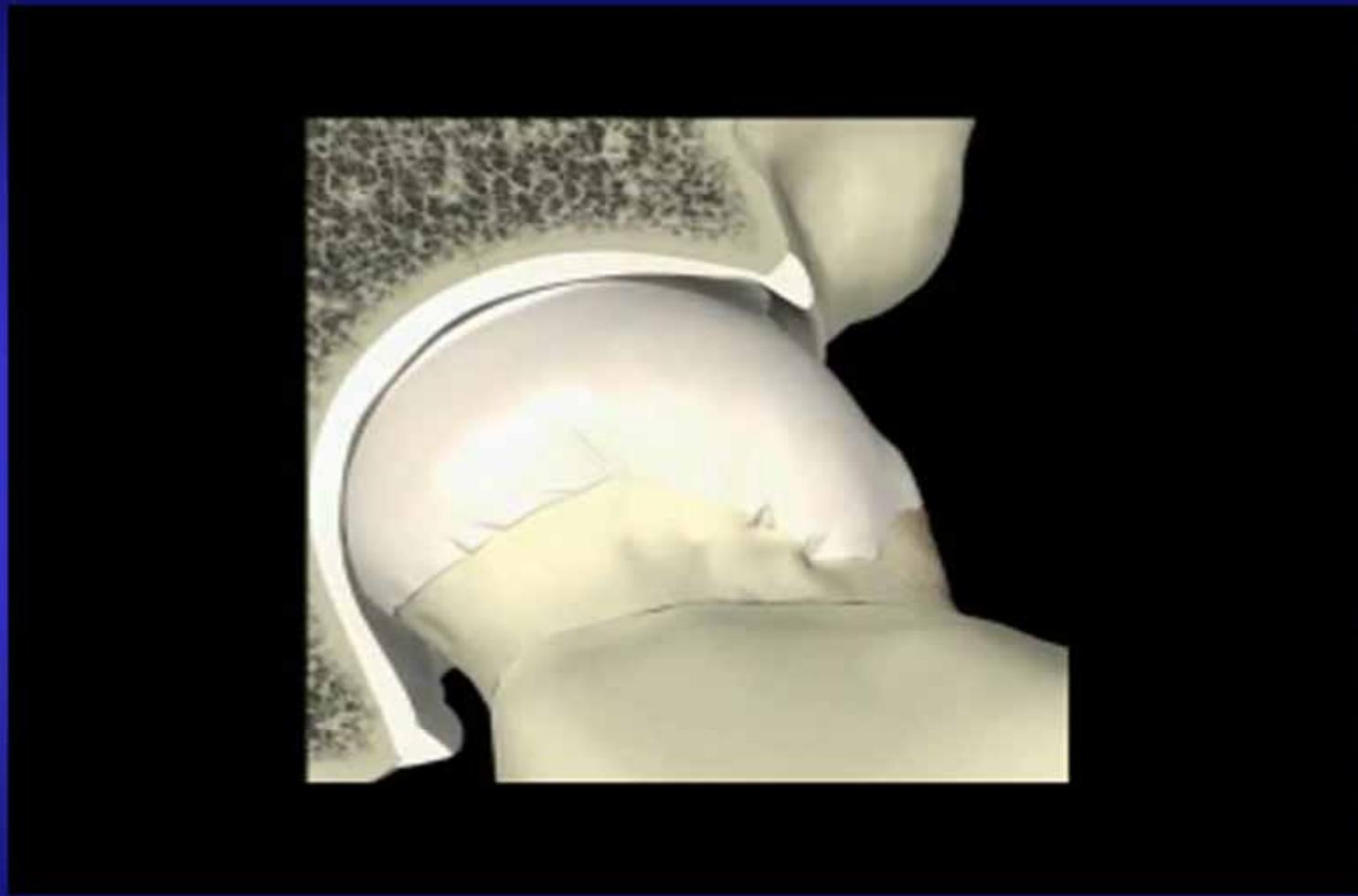
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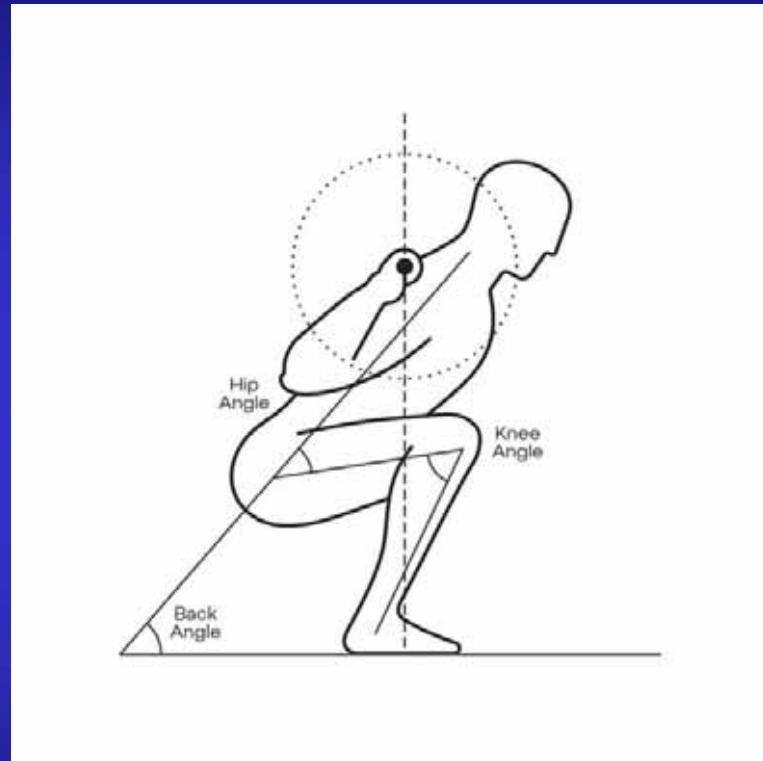
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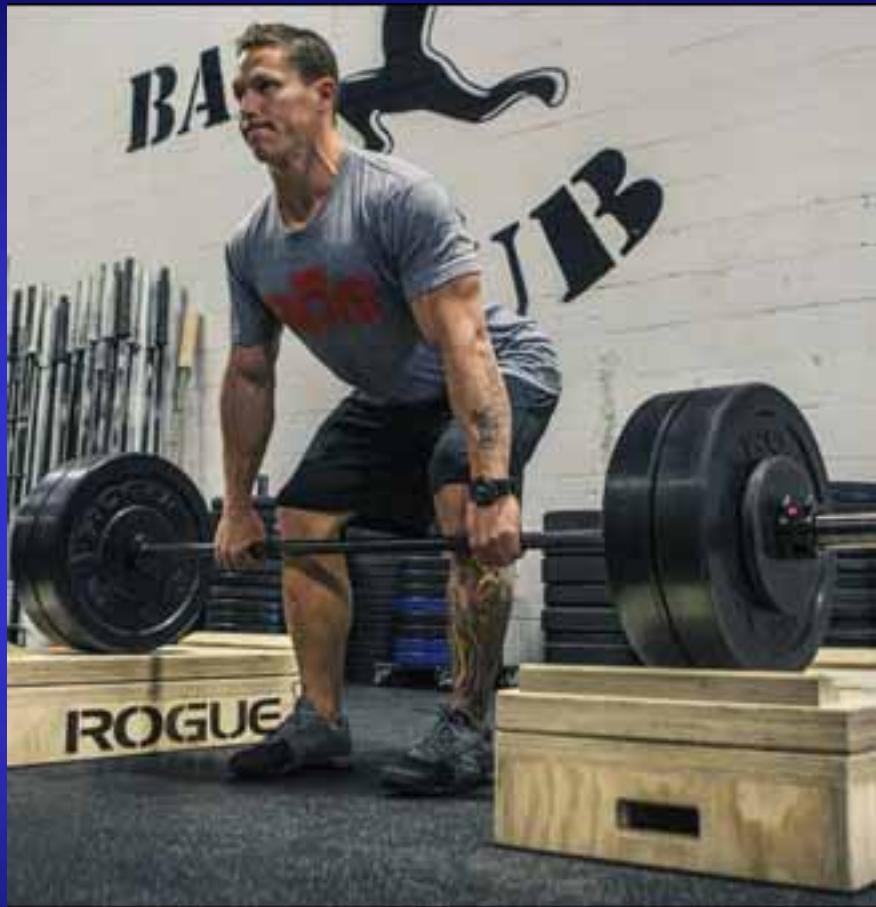
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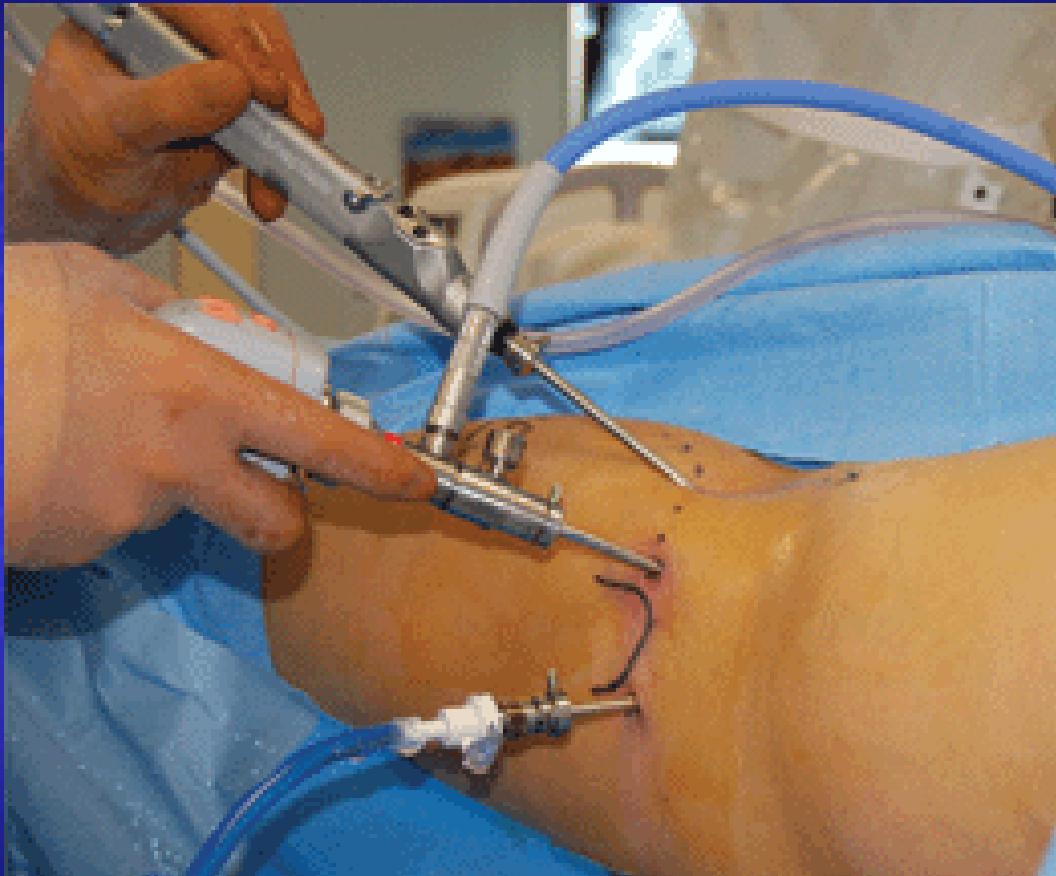
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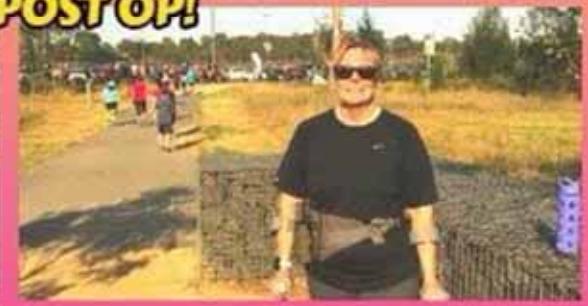
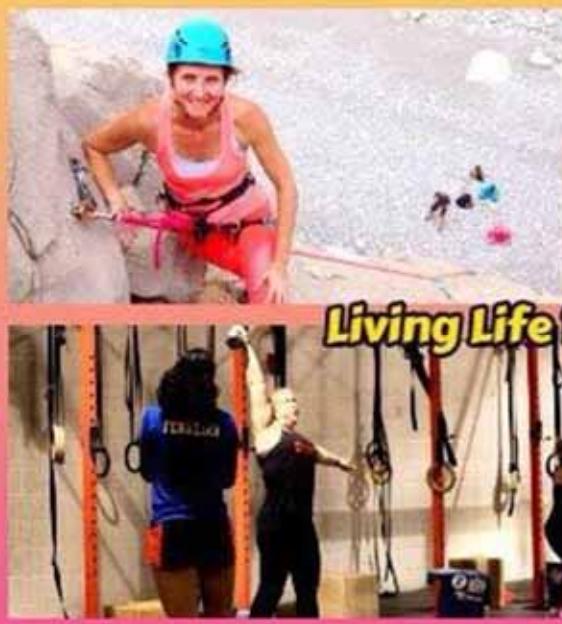
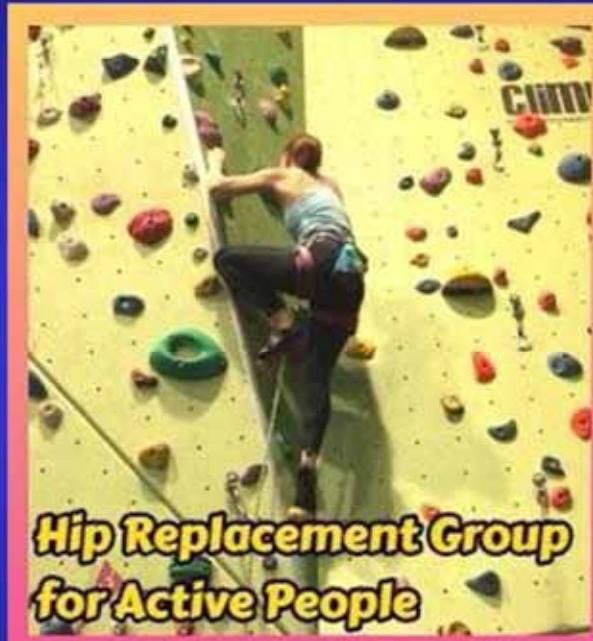
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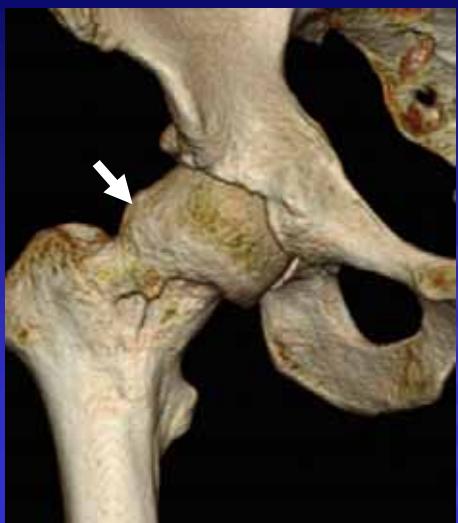
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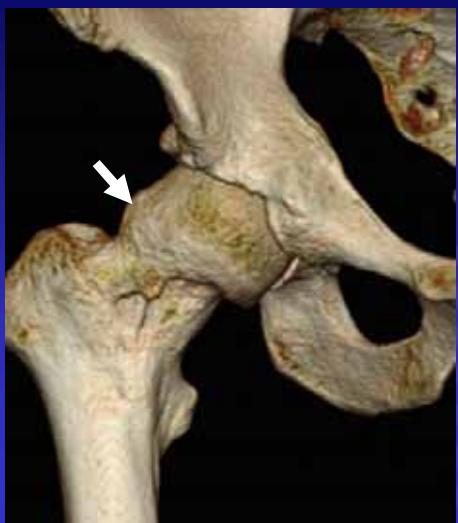
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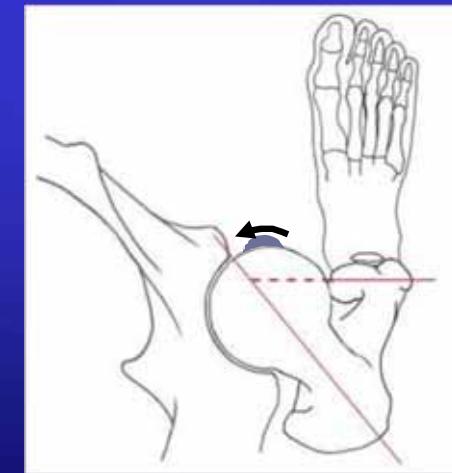
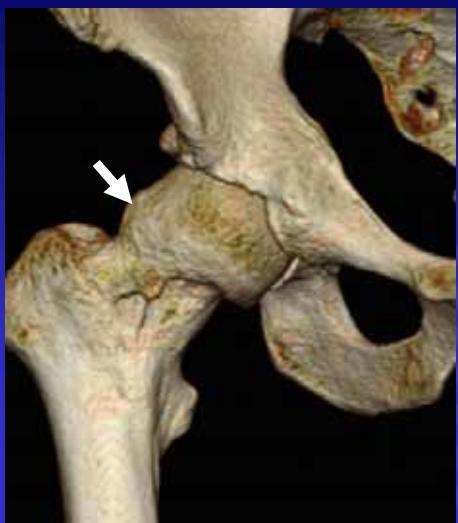


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