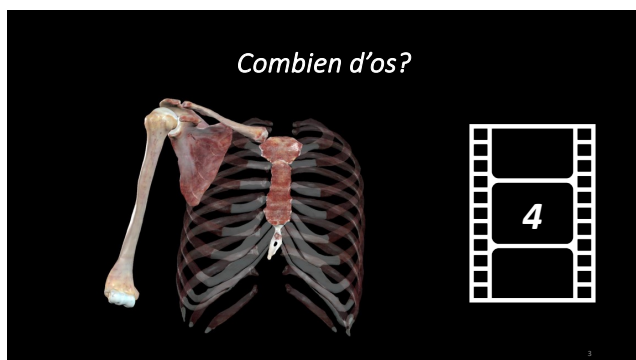


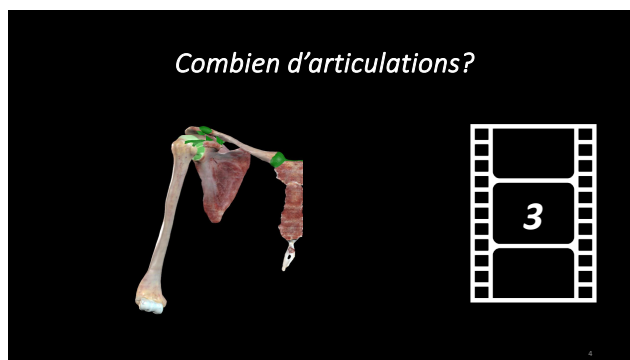
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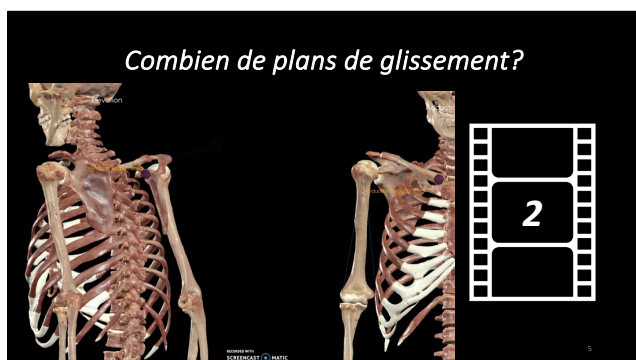
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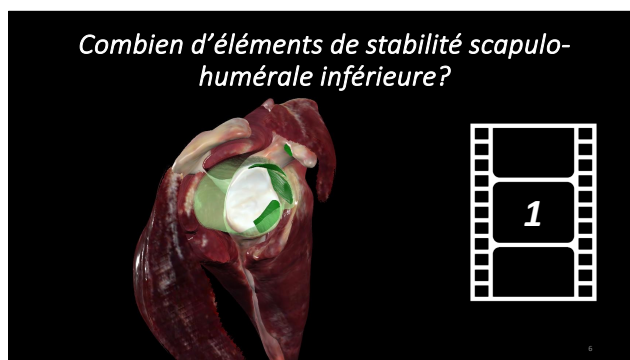
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4

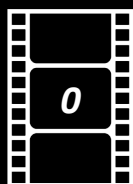


5



6

Combien de signes cliniques avec une sensibilité proche de 100%?



7

L'épaule De l'Anatomie à la pathologie

Grégoire PRUM

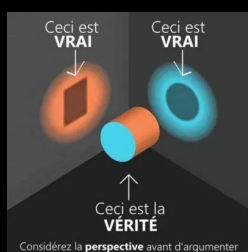
Anatomie

Médecine Physique et Réadaptation - Médecine du Sport

UFR Médecine Rouen

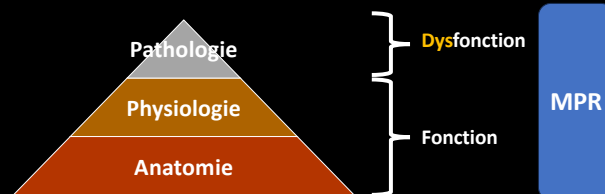
8

Généralités

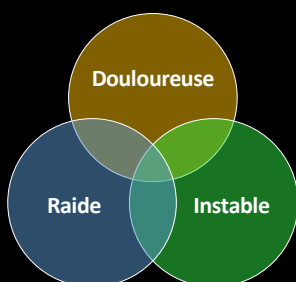


9

Généralités



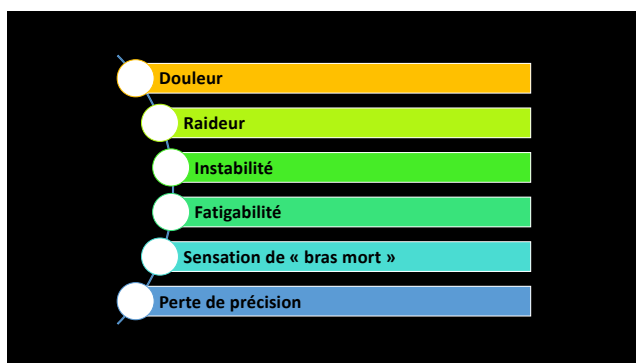
10



11

Interrogatoire

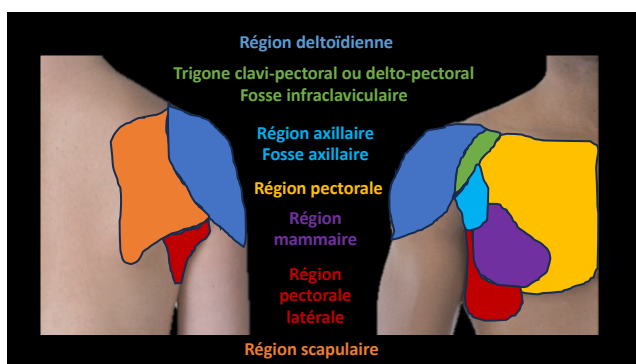
12



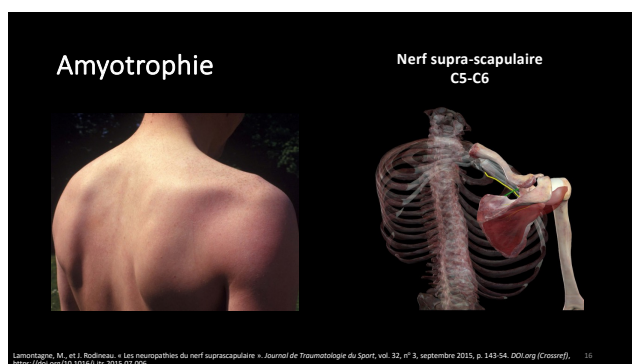
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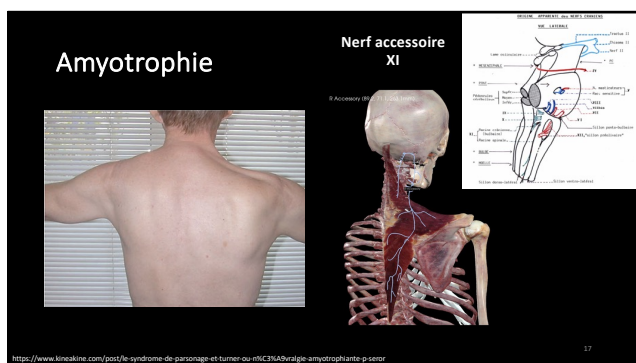
14



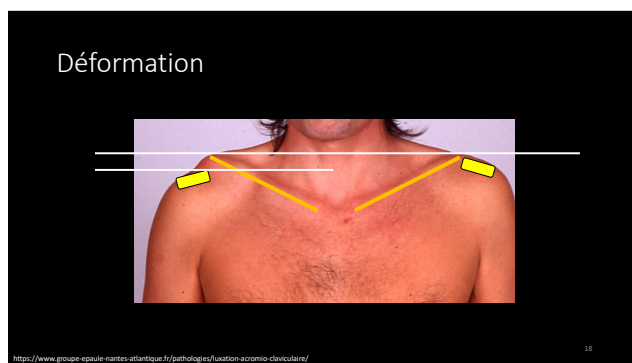
15



16

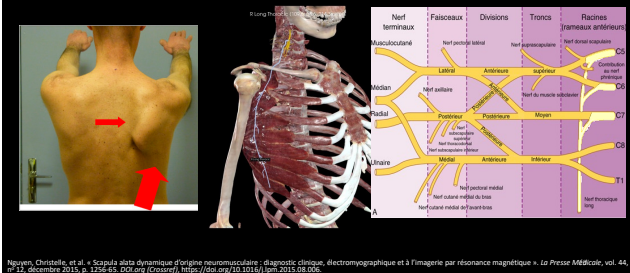


17



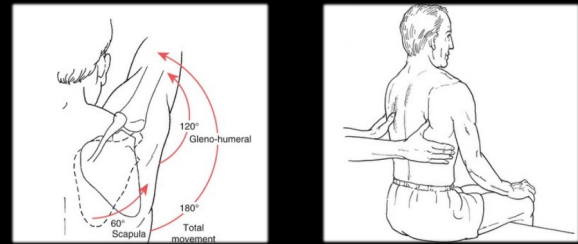
18

Ecchymose – Hématome – Tuméfaction - Déformation



19

Rythme scapulaire



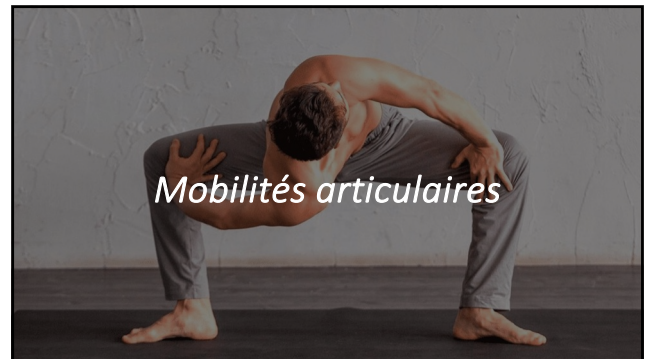
20

Elévation latérale



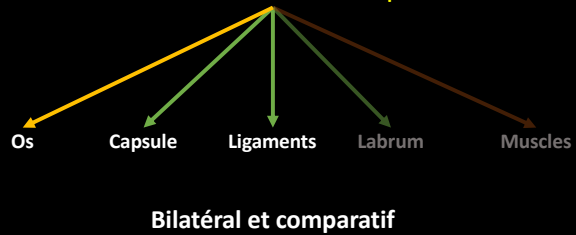
21

Mobilités articulaires



22

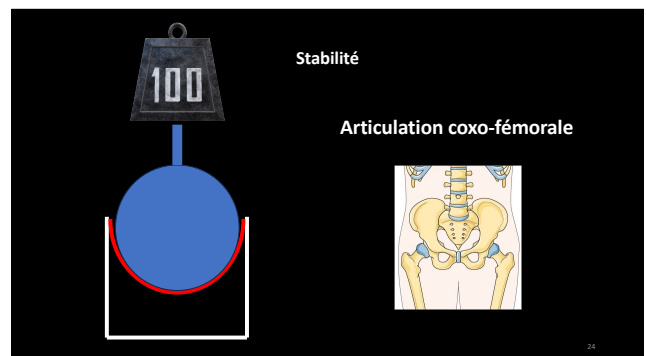
Examen des éléments de stabilité passive



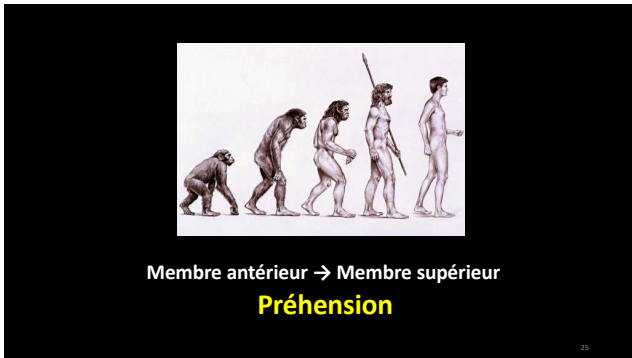
23

Stabilité

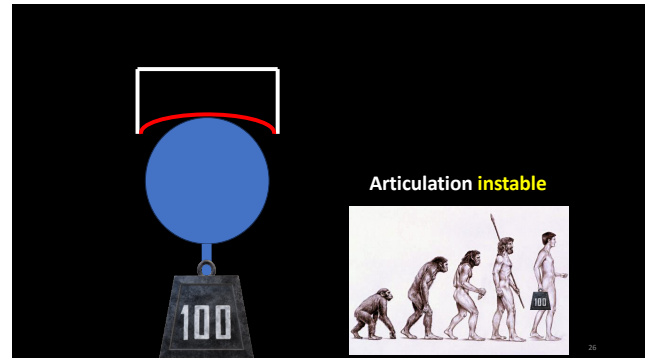
Articulation coxo-fémorale



24



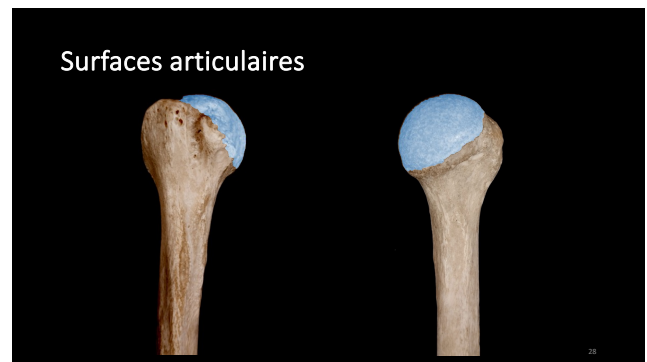
25



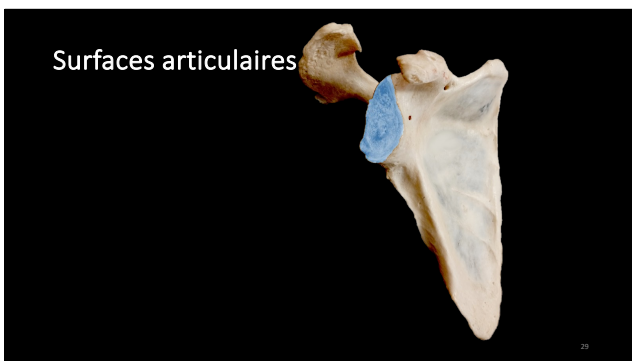
26



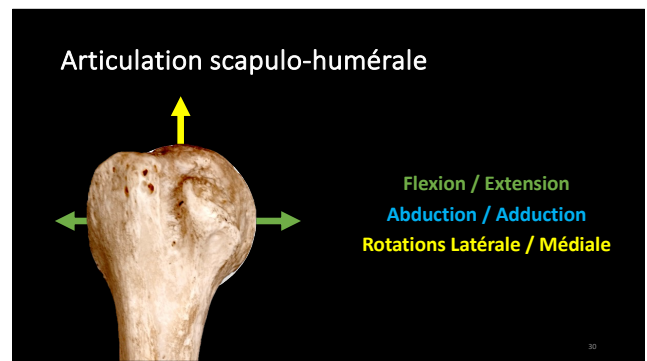
27



28



29



30

Articulation scapulo-humérale

80° / 20°

80° / 20°

30° / 30°

Flexion / Extension

Abduction / Adduction

Rotations Latérale / Médiale

31

Articulation scapulo-humérale

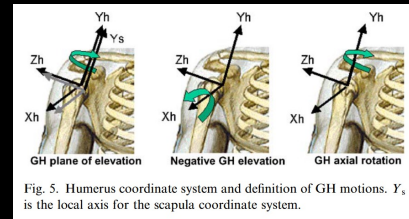
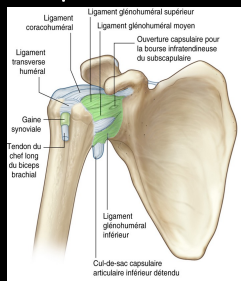


Fig. 5. Humerus coordinate system and definition of GH motions. Y_s is the local axis for the scapula coordinate system.

Wu, G., van der Helm, F.C., Veeger, H.E., Mathiassen, M., Van Roy, P., Anglin, C., Nagels, J., Banks, R.S., McQuade, E., Wang, X., Werner, P.W., Buchholz, B. International Society of Biomechanics. ISB recommendation on definitions of joint coordinate systems of various joints for the reporting of human joint motion-Part I: shoulder, elbow, wrist and hand. J Biomech. 2005 May;38(5):981-992. doi: 10.1016/j.jbiomech.2004.05.042. PMID: 15844266.

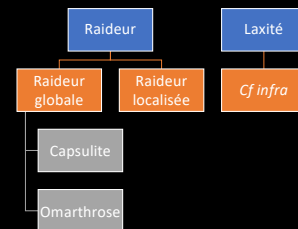
32

Moyens d'union passive



33

Articulation scapulo-humérale

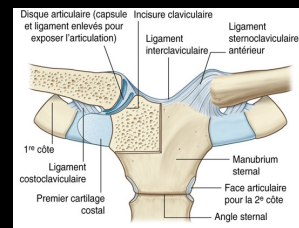


34

Articulation sterno-claviculaire

35

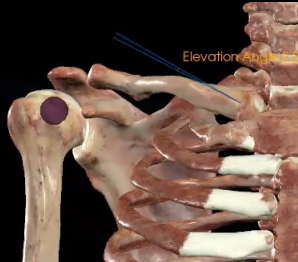
Articulation sterno-claviculaire



« En selle » - Idem MCP

36

Articulation sterno-claviculaire



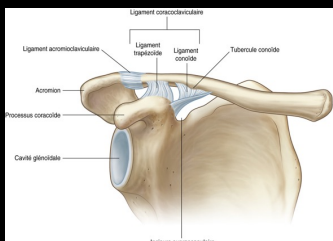
37

Articulation acromio-claviculaire



38

Articulation acromio-claviculaire



39

Signes de conflit



40

Conflit = contact entre 2 structures

Examen passif +++

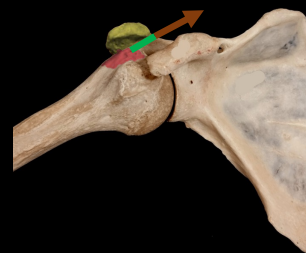


Conflit antéro-latéral
Conflit antéro-supérieur
Conflit sub-acromial

Acromion
Tubercule majeur

41

Conflit antéro-latéral



42

Conflit antéro-latéral



Test de Neer

Se 59-72%
Sp 60%

43

43

Conflit antéro-latéral



Test de
Hawkins-Kennedy

Se 58-80%
Sp 56-67%

44

44



Conflit antéro-médial
Conflit antéro-interne
Conflit sub-coracoïdien

Processus coracoïde
Tubercule mineur

45

45

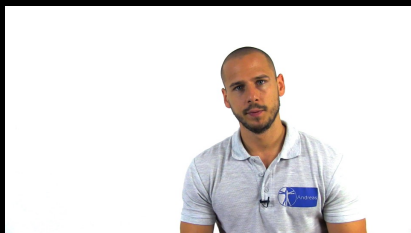
Conflit antéro-médial



46

46

Conflit antéro-médial



Cross body
Adduction test

Se 77%
Sp 79%

47

47



Conflit postérieur
Conflit de Walsh

Bord postérieur
de la cavité glénoïdale
Tubercule majeur

48

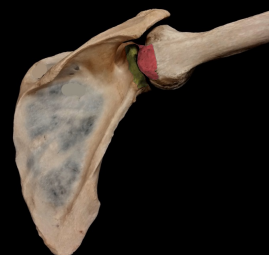
48

Conflit postérieur



49

Conflit postérieur



50

Conflit postérieur



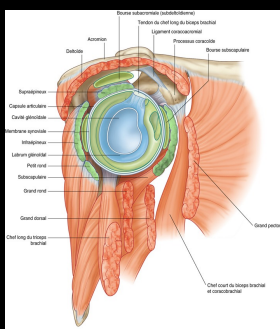
Test de l'armé

Se 76%
Sp 85%

51

« Testing » de coiffe

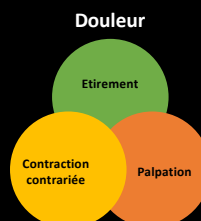
52



Examen actif +++
4+1

53

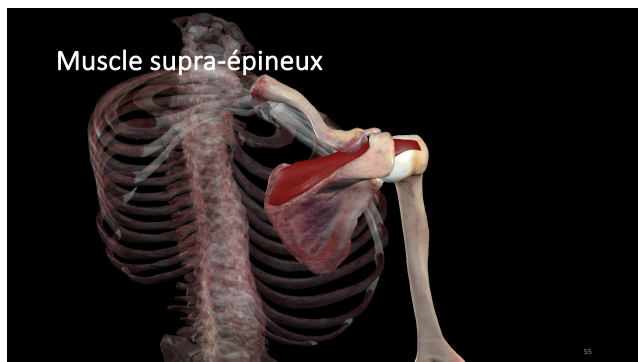
Triade tendineuse



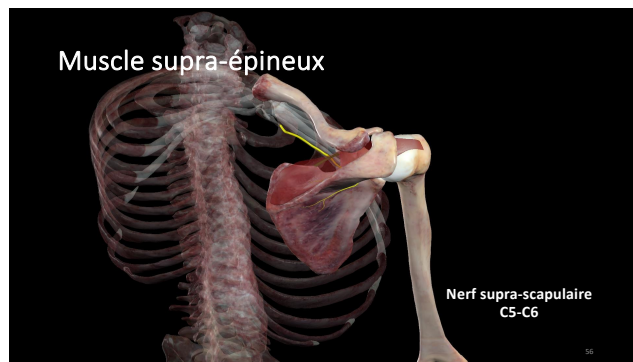
Préférentiellement
en course externe



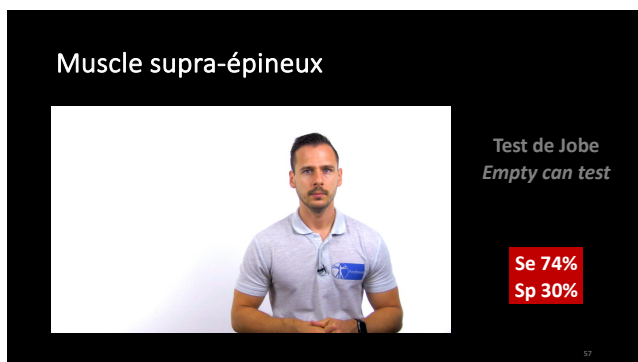
54



55



56



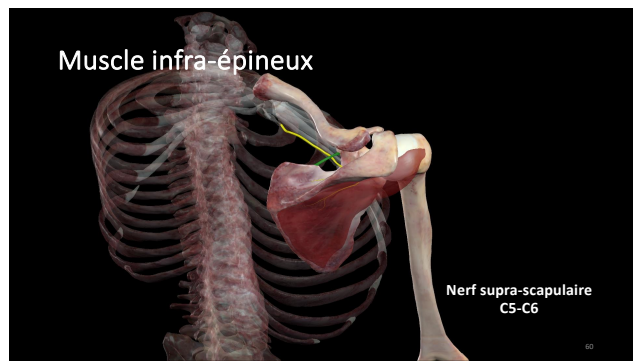
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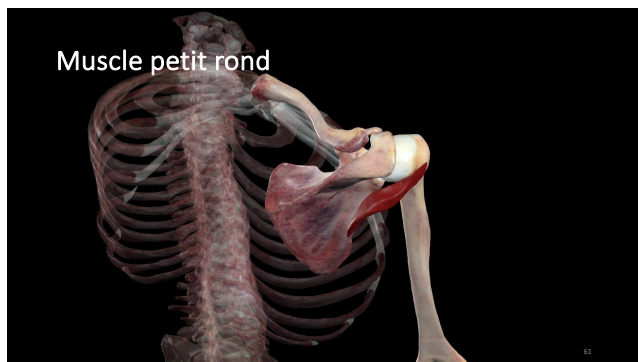
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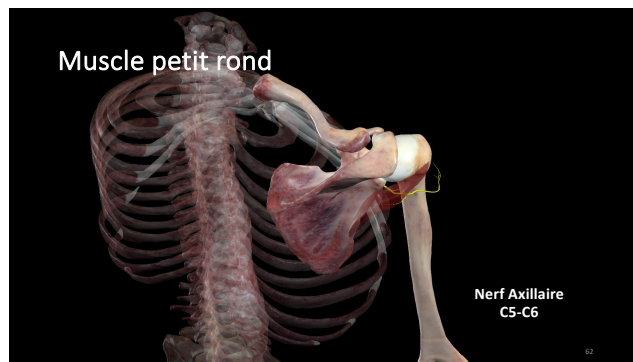
59



60



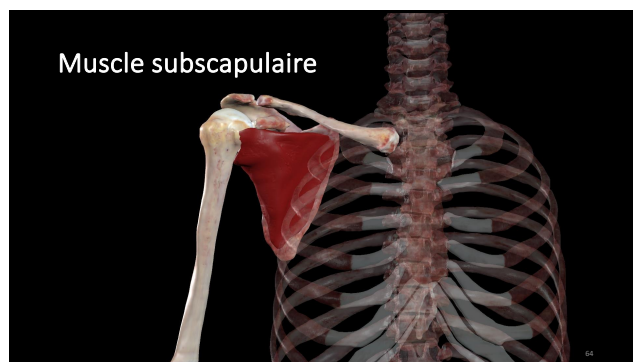
61



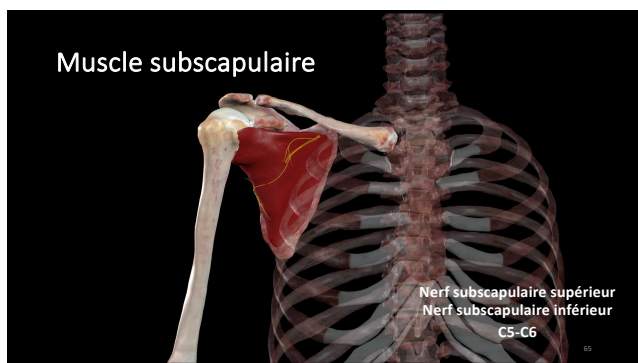
62



63



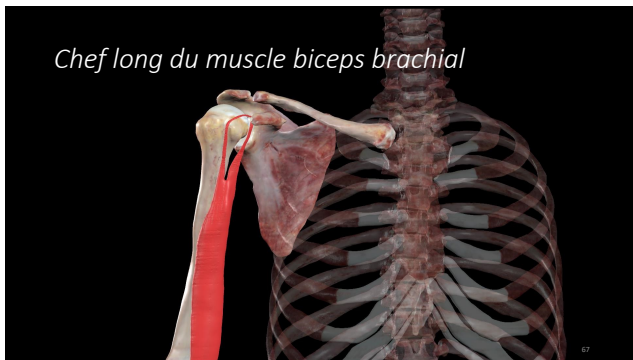
64



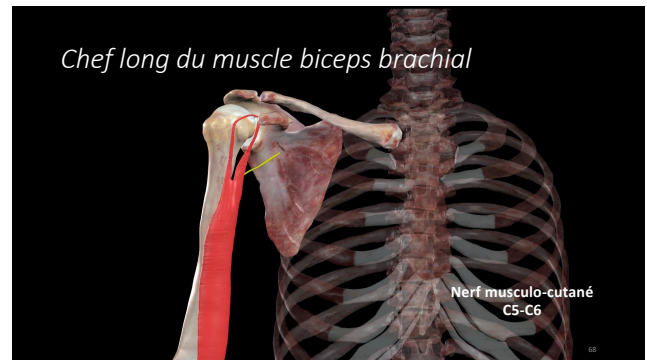
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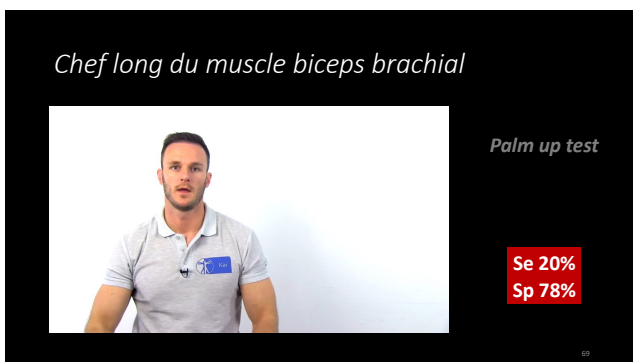
66



67



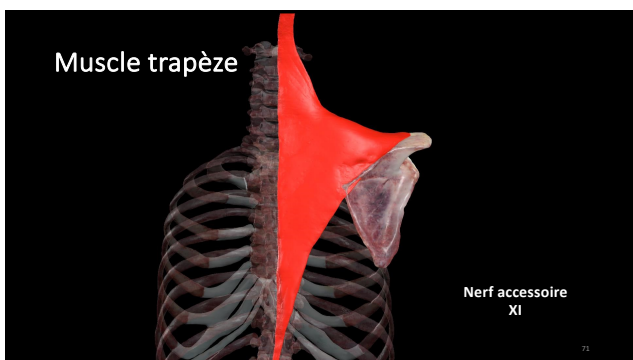
68



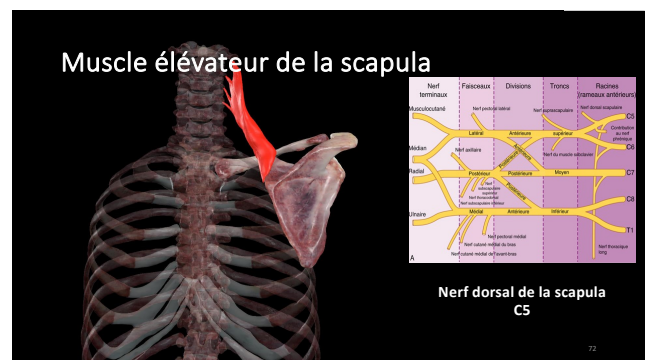
69



70

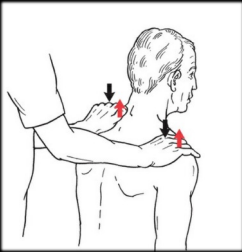


71



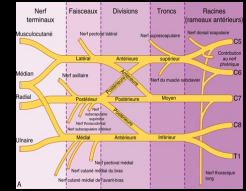
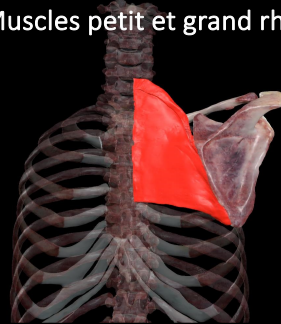
72

Muscles trapèze et élévateur de la scapula



73

Muscles petit et grand rhomboïdes



Nerf dorsal de la scapula
C5

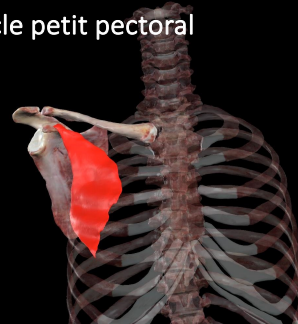
74

Muscles trapèze et rhomboïdes



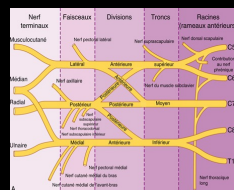
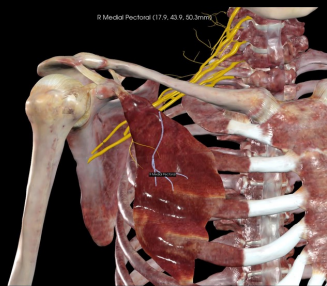
75

Muscle petit pectoral



76

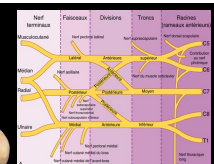
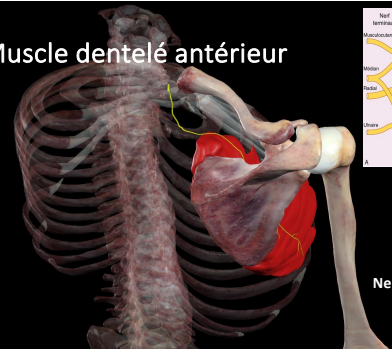
Muscle petit pectoral



Nerf pectoral médial
C8-Th1

77

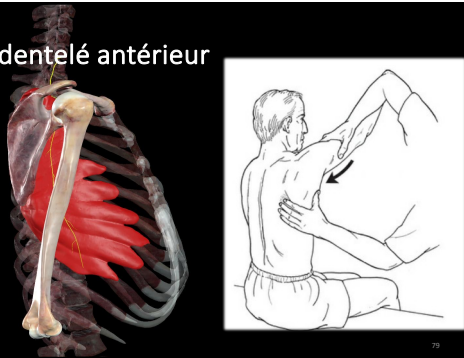
Muscle dentelé antérieur



Nerf thoracique long
C5-C6-C7

78

Muscle dentelé antérieur



79

Muscles petit pectoral et dentelé antérieur



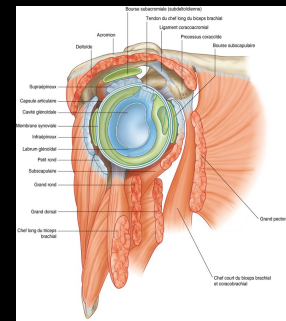
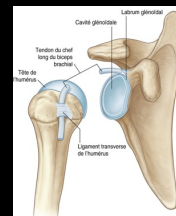
80

Le Labrum



81

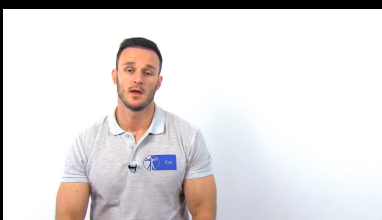
Labrum



82

SLAP lesions

Superior labrum anterior to posterior



Uppercut test

Se 73%
Sp 78%

83

Lésions postéro-inférieures



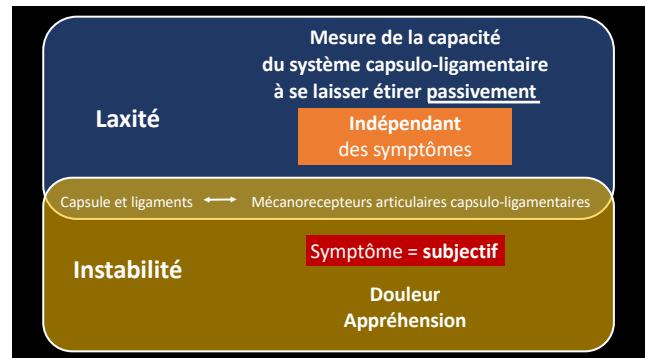
Jerk test

Se 90%
Sp 85%

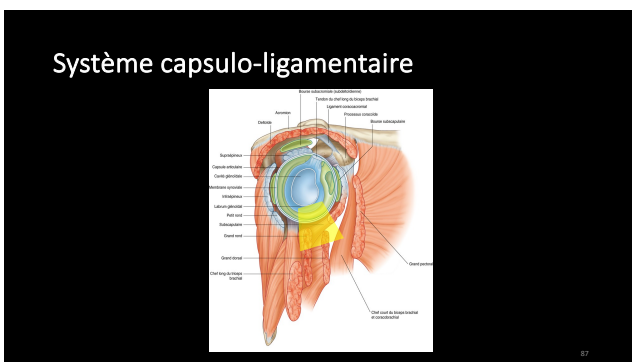
84



85



86



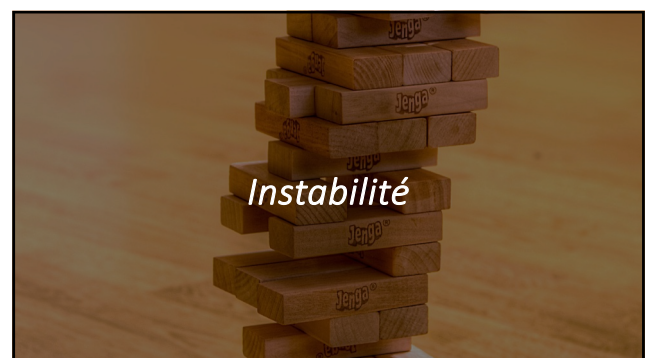
87



88




89



90

Instabilité antérieure



Test d'appréhension

Se	66%
Sp	95%

91

Instabilité antérieure



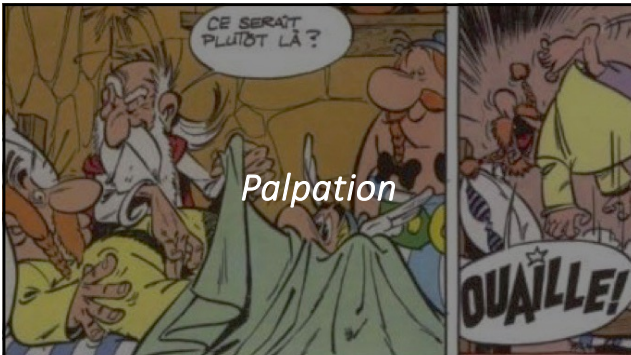
Relocation test

Se	65%
Sp	90%

Cluster

Se	81%
Sp	98%

92



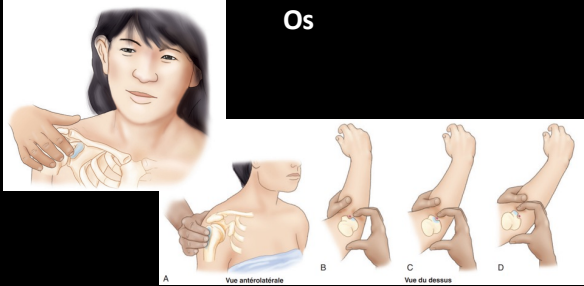
CE SERAIT PLUTÔT LÀ ?

Palpation

OUAILLE!

93

Os




A Vue antéro-latérale B C D

Vue du dessus

94

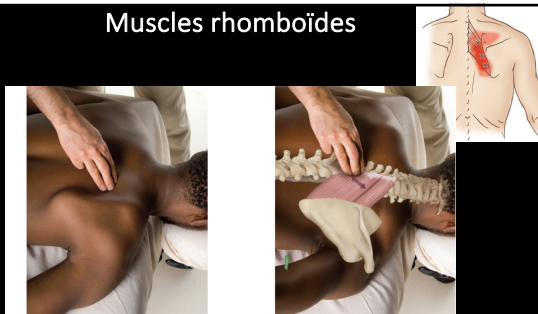
Muscle élévateur de la scapula



A B

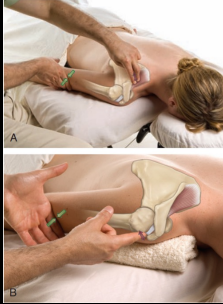
95

Muscles rhomboïdes



96

Muscle supra-épineux



97

Muscle subscapulaire



98

Muscle petit pectoral



99

Muscle coraco-brachial

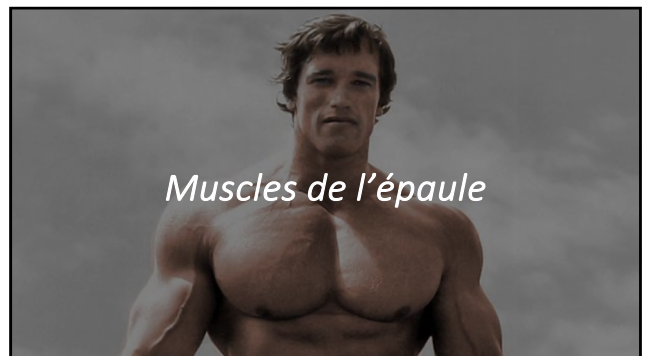


100

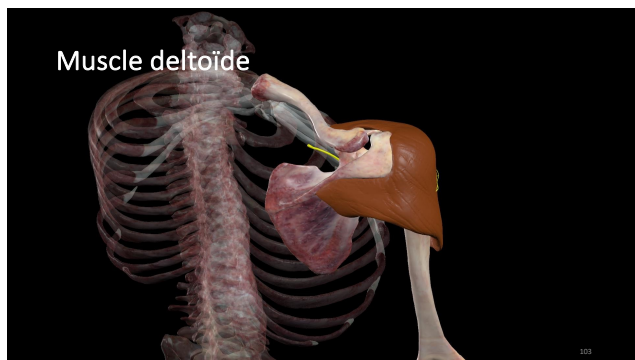
The End?

101

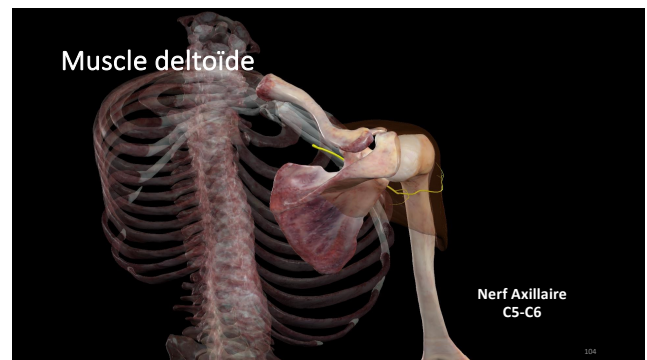
Muscles de l'épaule



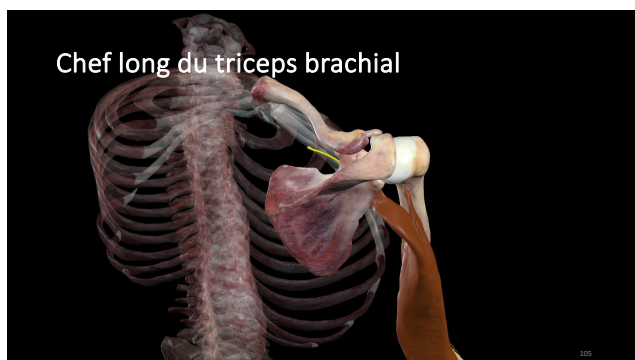
102



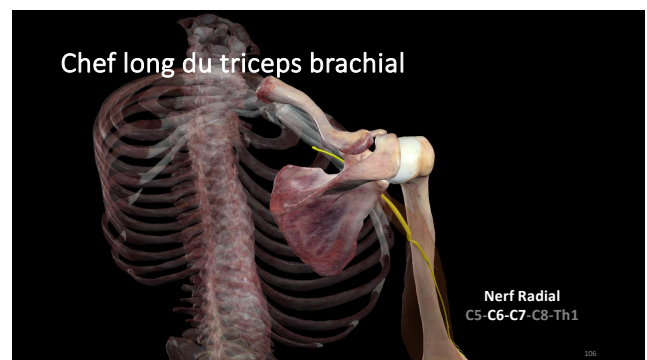
103



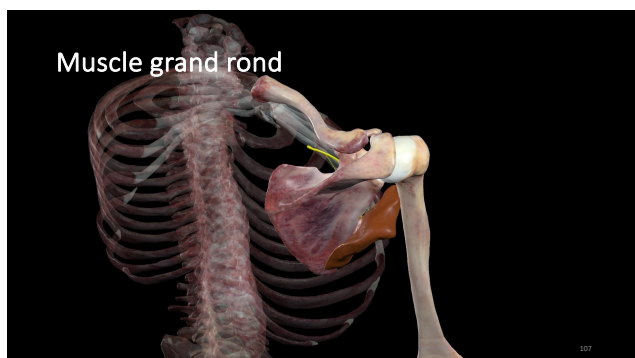
104



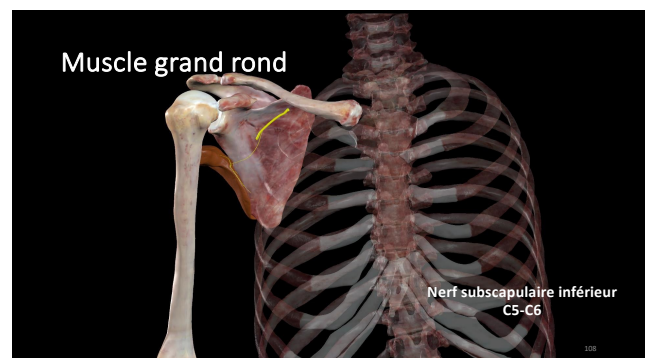
105



106



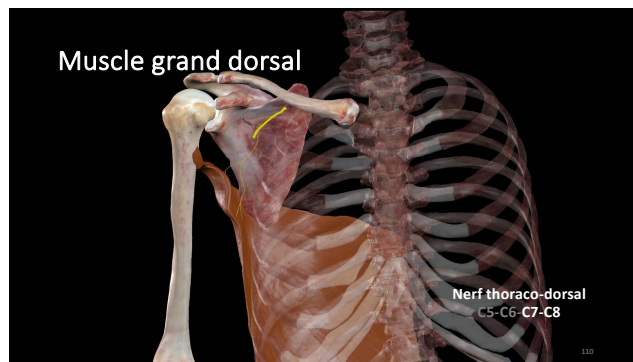
107



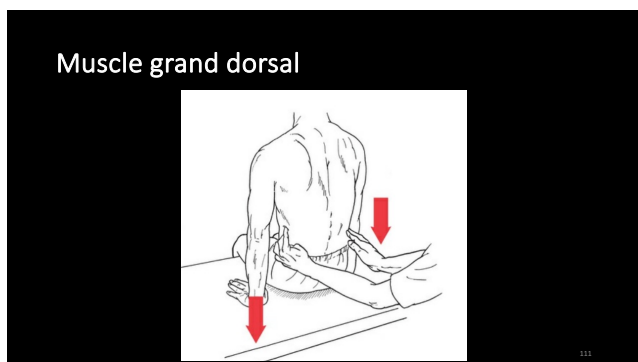
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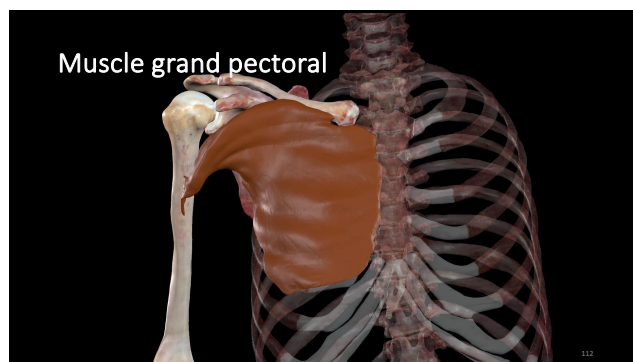
109



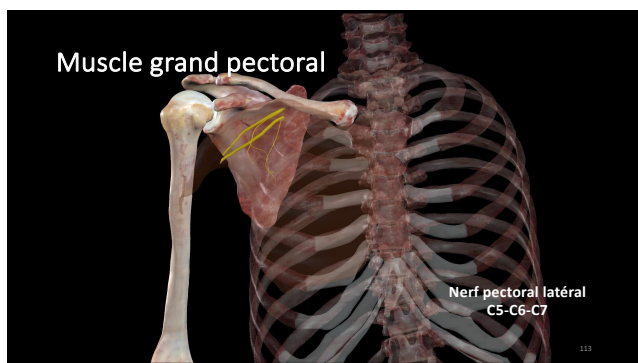
110



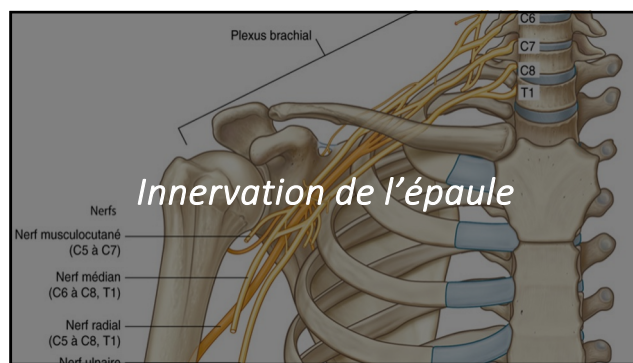
111



112



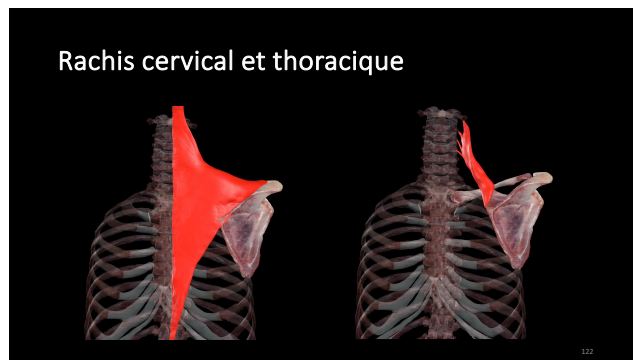
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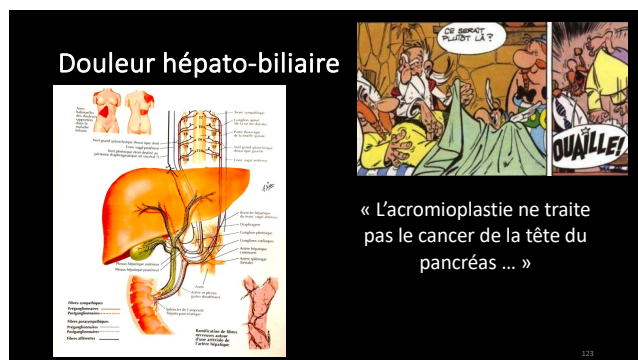
114



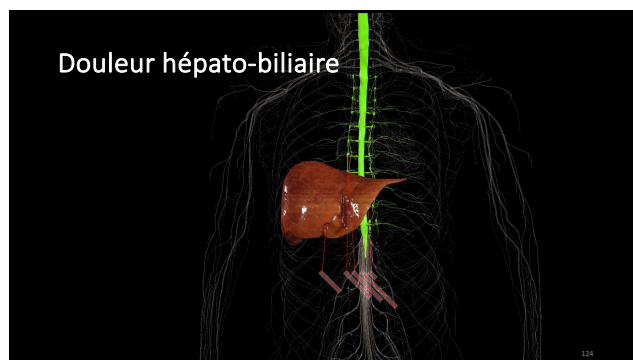
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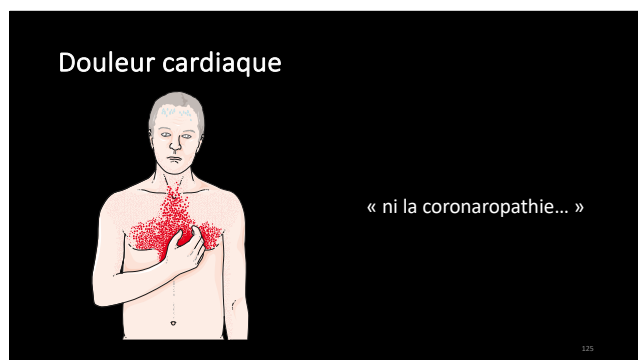
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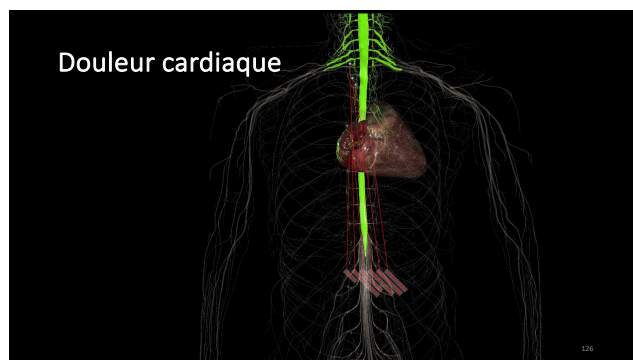
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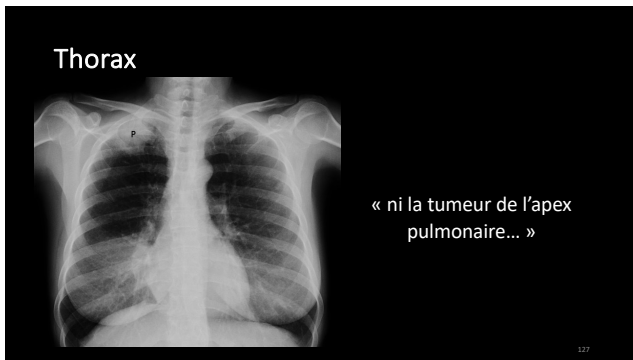
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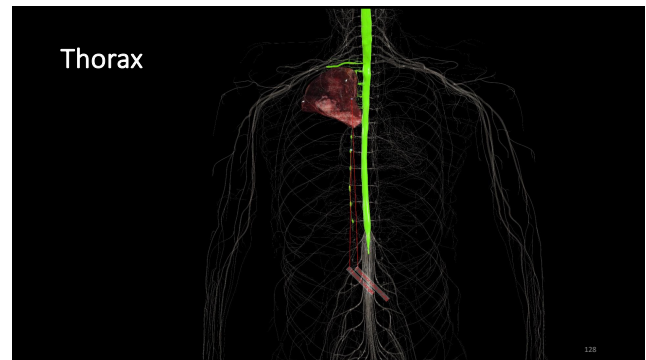
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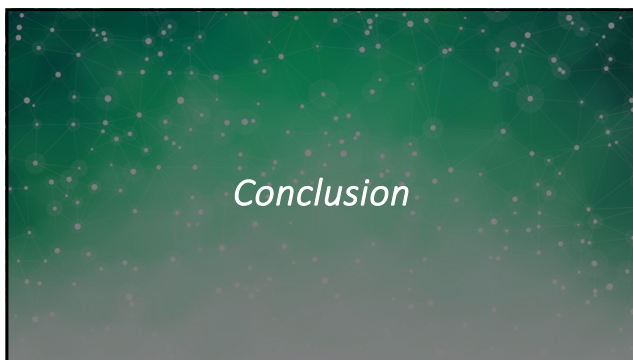
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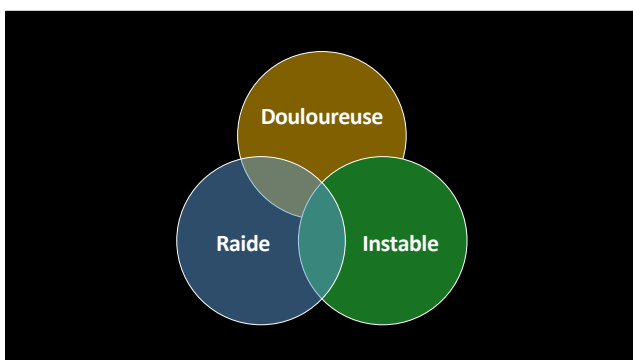


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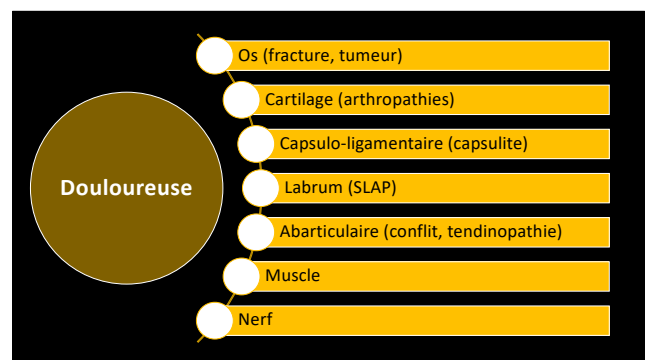
Inspection	Amyotrophie / Ecchymose / Tuméfaction / Déformation
Mobilités	Scapulo-humérales / Globales / Rythme scapulaire
Conflits	Antéro-latéral / Antéro-médial / Postérieur
« Testing » de coiffe	Supra-épineux / Infra-épineux Petit rond / Subscapulaire + LB
Racine du MS	Trapèze / Elev de S. / Rhomboides / Petit pectoral / Dentelé A
Labrum	SLAP / Labrum postérieur
Laxité	Antérieure / Postérieure / Inférieure
Instabilité	Antérieure et inférieure
Palpation	Os / Articulations / Tendons et muscles / Nerfs

Rachis cervical
Rachis thoracique
Hépatobiliaire
Cœur
Poumon

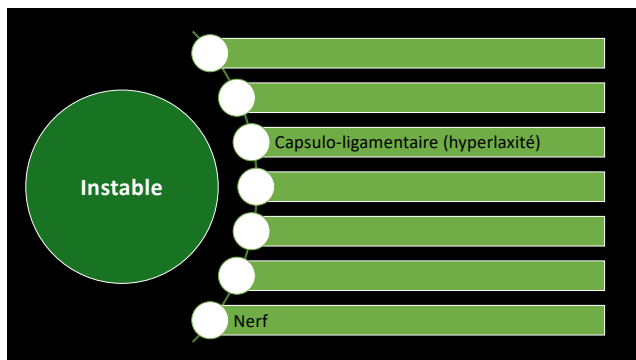
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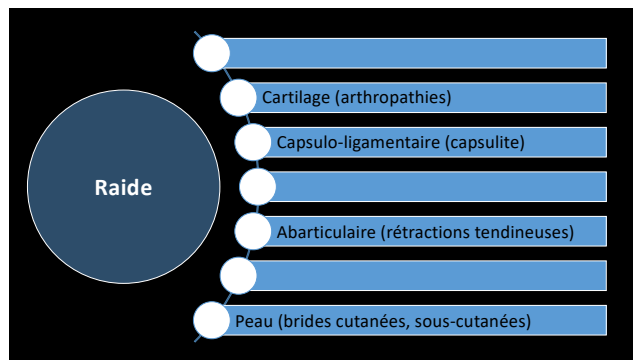
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132



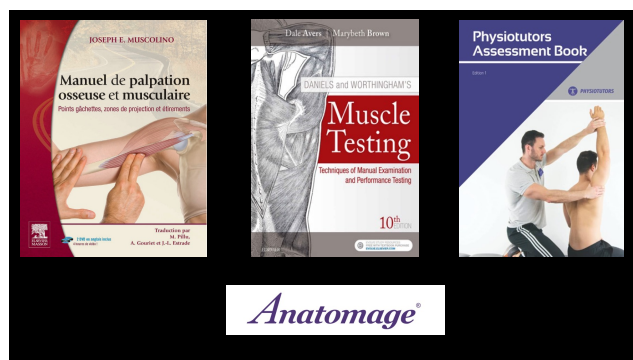
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