

Anatomy and Physiology Revealed

Anatomy and Physiology Revealed 是一個具有互動功能的人體解剖學習工具，可以隨時隨地的登錄使用，透過整個人體視圖的觀點、圖片及動畫，讓學習者可以得到有價值的解剖知識



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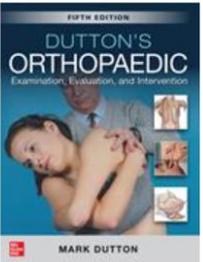
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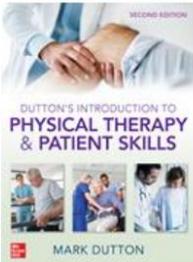
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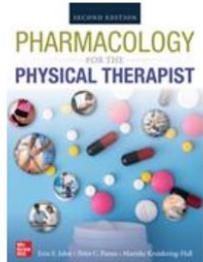
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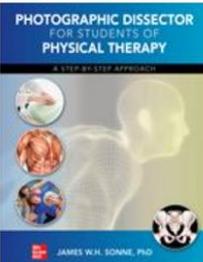
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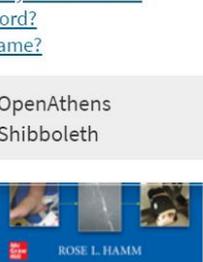
ELSEVIER HEALTH SCIENCES



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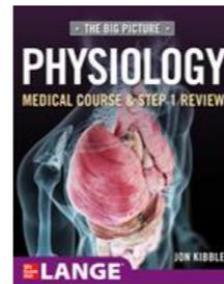
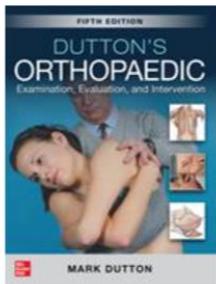
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This is an interactive cadaver dissection experience. This unique multimedia study aid is designed to help you explore human anatomy using cadaver specimens and master physiology concepts through animation. Digital dissections allow unlimited drill and practice - anytime, anywhere. Detailed information and audio pronunciations build anatomical knowledge, and comprehensive quizzing reinforces learning.



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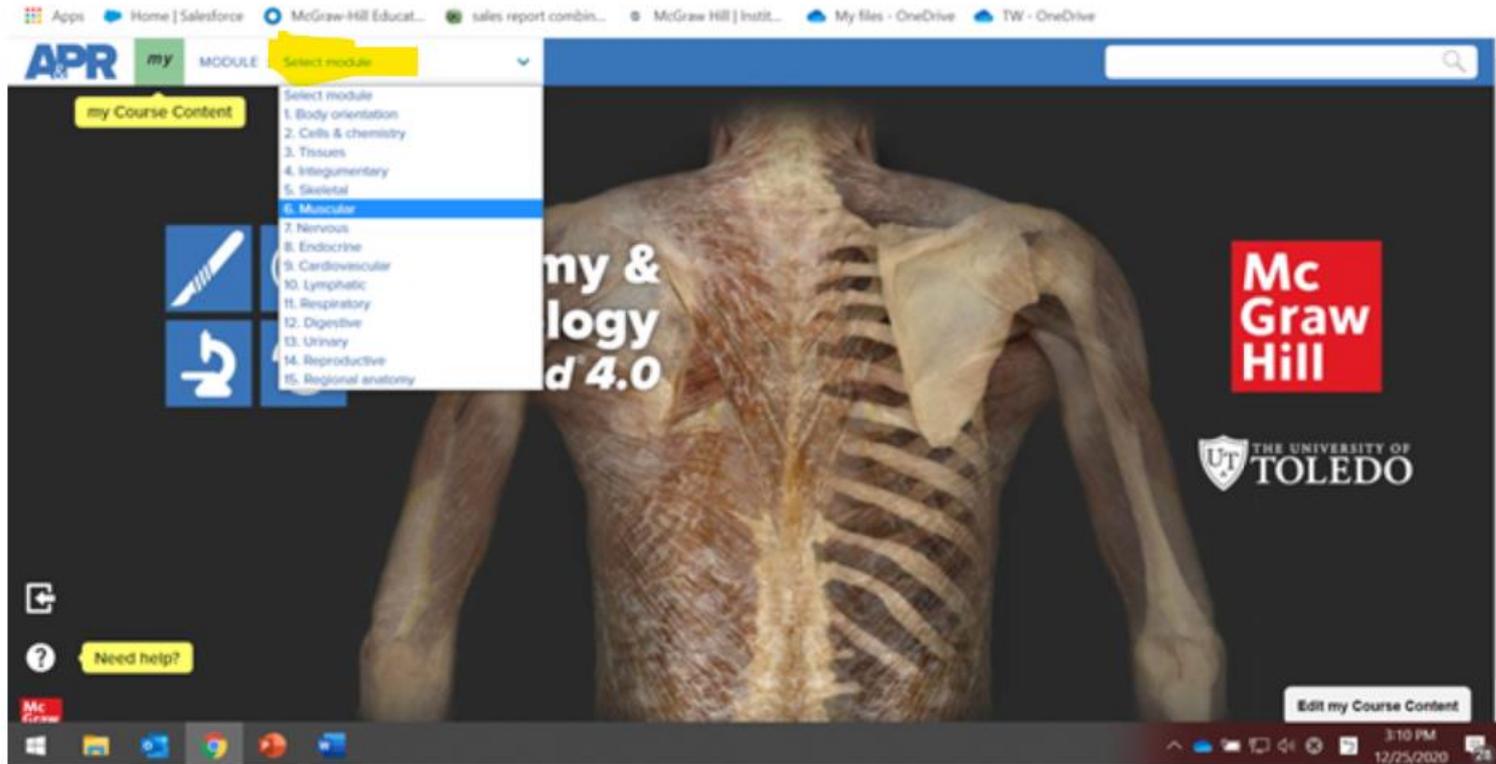
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STUDY AREA :
DISSECTION

7

選擇部位的定義與解釋

ALL : FOOT : PLANTAR

Lumbrical mm. of foot

Action:

- Flexion of toes at metatarsophalangeal (MP) joints
- Extension of toes at interphalangeal (IP) joints

Origin:

- Tendons of flexor digitorum longus

Insertion:

- Tendons of extensor digitorum longus to toes 2-5

	LAYER 1	LAYER 2	LAYER 3	LAYER 4	LAYER 5	LAYER 6
100%	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
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S K I N						S K E L E T O N



分為六層，可用手動調整不同層的呈現

3D模式

APR my MODULE : 6. Muscular

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TOPIC : Head and neck

+ Skeletal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
+ Nervous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
+ Cardiovascular	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
+ Muscular	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Change the visibility of structure groups to reveal deeper structures that might be hidden.

ROTATE MOVE VIEW Anterior SCALE



可移動並
調整前後
左右放大
縮小

動畫

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my

MODULE : 6. Muscular



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Anatomy & Physiology

Skeletal muscle

Skeletal muscle contraction (3D)

Neuromuscular junction

Sliding filament

Excitation-contraction coupling

Cross bridge cycle

Skeletal muscular contraction (Interactive)

1. The neuromuscular junction

2. Excitation-contraction coupling

3. Crossbridge cycling

Muscle actions

Head and neck

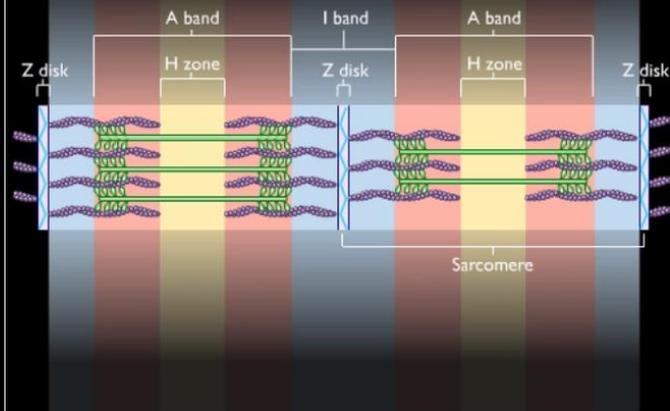
Lateral pterygoid m.

Medial pterygoid m.

Masseter m.

Sliding filament

Relaxed muscle



In a relaxed muscle, actin and myosin myofilaments lie side-by-side and the H zones and I band are at maximum width.



00:00 / 00:31



組織學圖片



APR & my MODULE : 6. Muscular

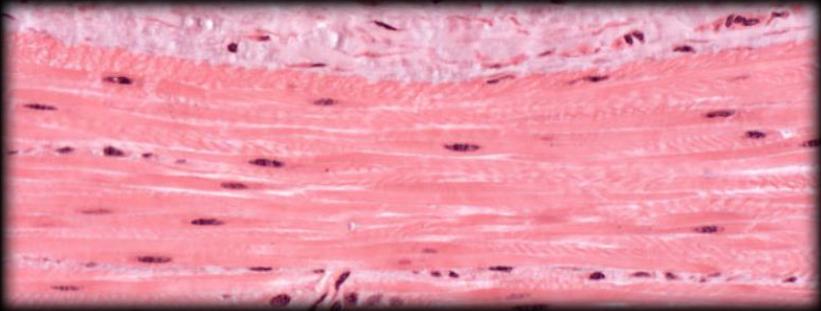
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TOPIC : Smooth muscle

VIEW : LM: Low magnification

Longitudinal smooth muscle fiber

Smooth muscle fiber



問題練習自
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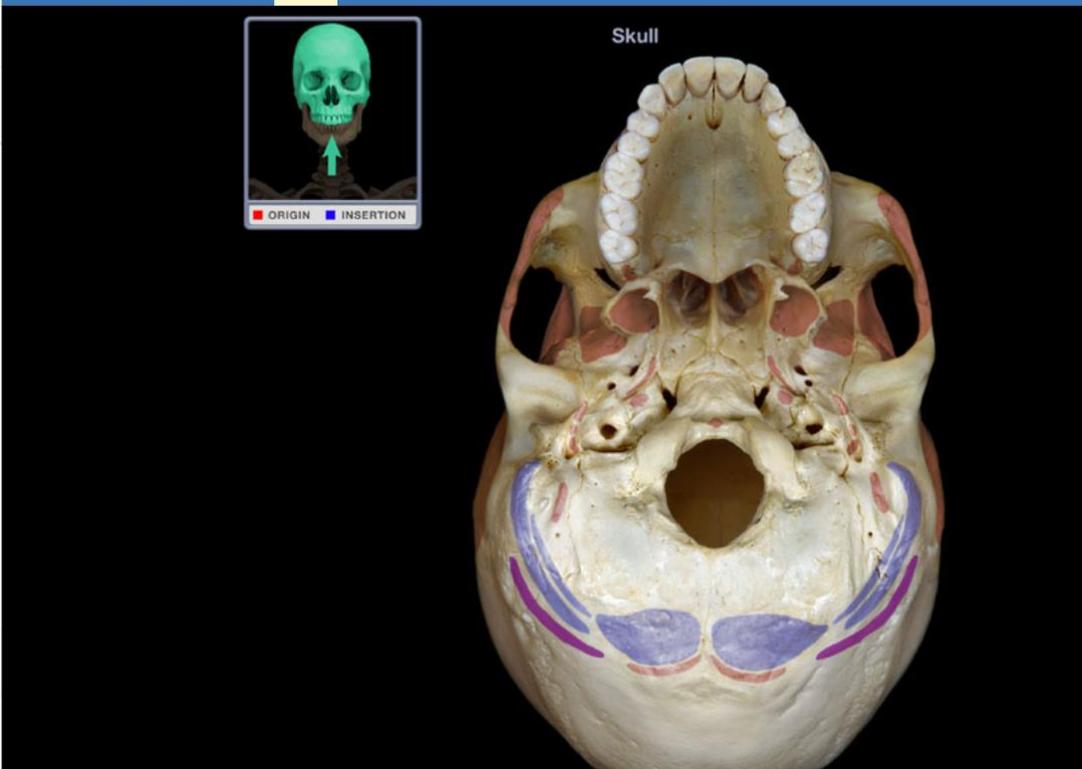
ALL STRUCTURES : HEAD AND NECK : MULTIPLE CHOICE

What structure is highlighted?

- A. Origin of occipitalis m.
- B. Origin of levator veli palatini m.
- C. Origin of tensor tympani m.
- D. Origin of lateral pterygoid m.
- E. Origin of superior pharyngeal constrictor m.

Next Question

End Quiz Now



Thank You!



Jason Lee / Sr. Sales Manager



jason.lee@mheducation.com



0933-722504



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