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Due to the growth in the use of our products, Primal Pictures must upgrade its servers and firewalls to increase the capacity of our systems. This will affect all our web sites on **Sunday, October 9th, from 10:00 am until 4:00 pm British Standard Time.**

Product Quizzes

Systemic Anatomy Systemic Edition	Regional Anatomy Human Anatomy Regional Series: ✔ Head & Neck ✔ Spine ✔ Shoulder ✔ Hand ✔ Thorax & Abdomen ✔ Pelvis ✔ Hip ✔ Knee ✔ Foot Primal Interactive Human: Other titles by Region: Essential Regional Anatomy ✔ Regional Study Guide	Speciality titles ✔ 3D Head: basic neuroanatomy 3D Head: pediatric comparisons Dentistry 3D Real-time Dentistry ✔ Hand 2/e Radiology: Thorax, Trunk Urology ✔ Spine: Clinical ✔ Spine: Chiropractic Pelvic Floor Disorders
Sports & therapy ✔ Acupuncture Anatomy for Exercise ✔ Anatomy Trains - Second Edition ✔ Functional Anatomy ✔ Hand Therapy Pilates ✔ Sports Injuries: Foot 2/e Resistance Training ✔ Sports Injuries: Knee 2/e ✔ Sports Injuries: Shoulder 2/e	Surgery Axilla ✔ Knee ✔ Knee Arthroplasty ✔ Hip Arthroplasty ✔ Podiatric Medicine	

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模組區份



- **區域**
 - 按人體的各部位做模組的呈現
 - Ex. 頭、頸、手、足……等九個部位
- **主題**
 - 按特定主題呈現解部位
 - Ex. 3D頭部、牙科、脊椎……等10個主題
- **手術**
 - 針對手術的主題獨立出來，共計**5**個主題
- **運動、治療**
 - 針對治療及運動傷害所獨立出來的主題
 - Ex. 針灸、皮拉提斯……等共計**10**個主題

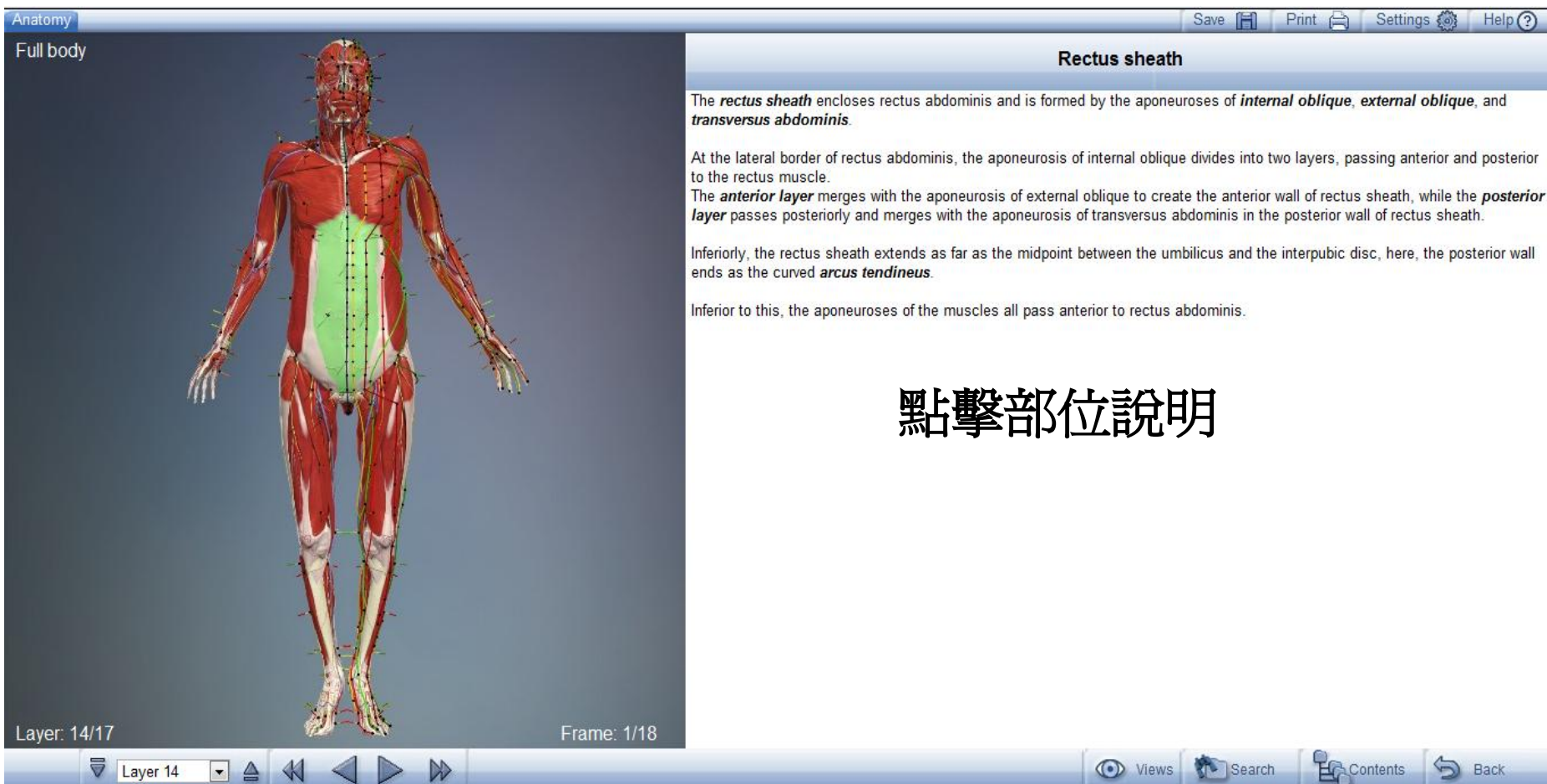
運動醫學 — 針灸



全身圖示

Anatomy

Full body



Rectus sheath

The **rectus sheath** encloses rectus abdominis and is formed by the aponeuroses of **internal oblique**, **external oblique**, and **transversus abdominis**.

At the lateral border of rectus abdominis, the aponeurosis of internal oblique divides into two layers, passing anterior and posterior to the rectus muscle. The **anterior layer** merges with the aponeurosis of external oblique to create the anterior wall of rectus sheath, while the **posterior layer** passes posteriorly and merges with the aponeurosis of transversus abdominis in the posterior wall of rectus sheath.

Inferiorly, the rectus sheath extends as far as the midpoint between the umbilicus and the interpubic disc, here, the posterior wall ends as the curved **arcus tendineus**.

Inferior to this, the aponeuroses of the muscles all pass anterior to rectus abdominis.

Layer: 14/17

Frame: 1/18

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點擊部位說明

轉換部位



Anatomy Full body

Save Print Settings Help

File: TE14

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 - Referred pain patterns

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Layer 14

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部換方向及層次

部位變換

針位說明



Anatomy

Head and neck

Save Print Settings Help

Acupuncture needle: TE14

肩隅

穴位說明

Chinese name
Jianliao.

Acupuncture point position
Posterior and inferior to the lateral extremity of the acromion of the [scapula](#), in the depression between the middle and posterior fibres of [deltoid](#).

Needle track
Between the fibres of deltoid, into infraspinatus.

Target structure
[Infraspinatus](#) or [teres minor](#).

Notes
The traditional description involves needling TE14 with the arm abducted to 90 degrees and the palm facing down, angling the needle towards the centre of the axilla - in this position the needle track may include teres major and latissimus dorsi. An alternate angulation is inferior oblique towards the elbow - with this angulation the needle track may include teres minor and the long head of [triceps](#).

WARNINGS
Nil.

Layer: 14/17 Frame: 4/18

Layer 14 Views Search Contents Back

筋絡說明

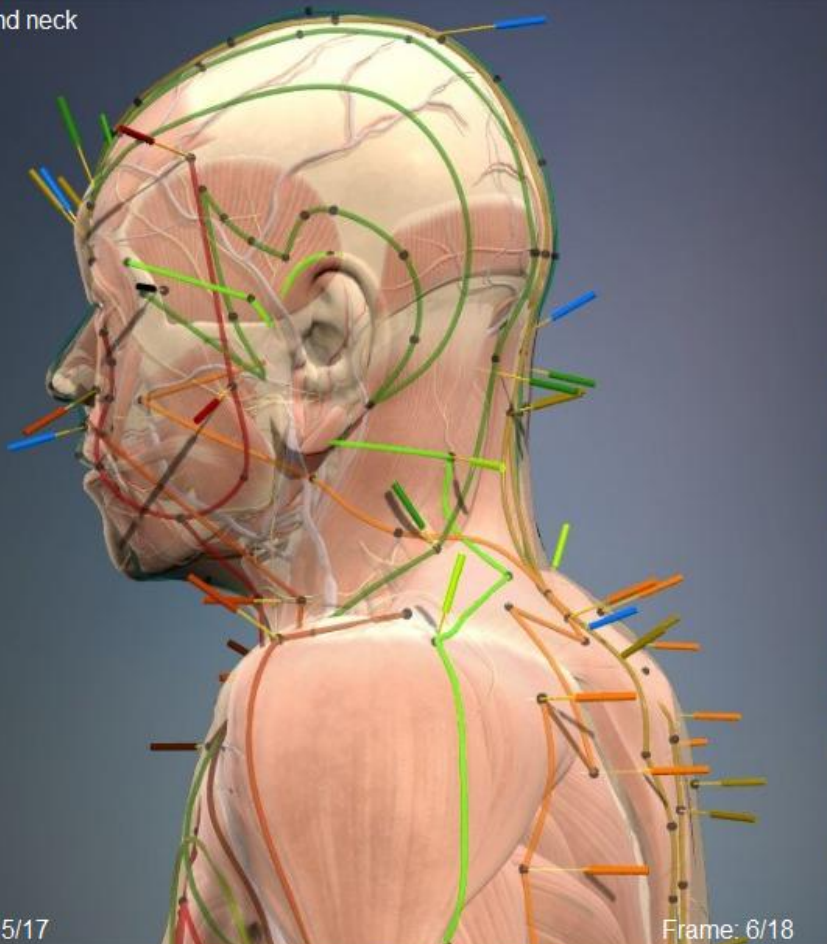


www.anatomy.tv/atv2/mainwindow.aspx?ref=0&titleid=26&svrid=0&App=acupuncture#

Anatomy

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Head and neck



Triple Energizer Meridian

筋絡說明

This structure is the *triple energizer meridian*.

Twelve *principal meridians* are symmetrically arranged on each side of the body, with the *yin* meridians traversing the anterior surface of the body and the *yang* meridians its posterior surface.

The principal meridians are the most important in clinical practice. The *Spiritual Axis* (circa 200 BC) states that "it is because of the twelve principal meridians that people live, disease is formed, and people are treated."

There are also 8 *miscellaneous meridians*, two of which have been shown here; the *Governing Vessel* and the *Conception Vessel* meridians. They are usually included with the twelve principal meridians due to their clinical importance.

The meridians are perceived to course in the myofascial layer of the body and course through the trunk and limbs, and also penetrate the body cavities to connect with the organs. The traditional theories of the organs and meridians are interwoven such that they are not considered independent entities, but rather the focus of traditional theory has been on their functional interrelationships. This is the reason that each of the meridians bears the name of an organ.

The modern concept of *myofascial meridians* is supported by independent anatomic evidence of the meridians. These myofascial meridians are anatomical lines that transmit strain and movement through the body's myofascia around the skeleton. Myofascial meridians are postulated to occur along body paths where connective tissues (including myofascia, tendons, and ligaments) not only have anatomical continuity but also exhibit only a gradual change in tissue orientation (i.e. direction and/or depth of connecting fiber structures). This anatomical configuration conceptually allows strain to be transmitted across the structures in a given myofascial meridian. Some of the myofascial meridians extend the entire length of the body, whereas others are regional (e.g. from chest to fingers). The distributions of these myofascial meridians strongly correlate with the distributions of meridians.

In this program the meridians are only shown on the left side of the model, but if necessary the image can be flipped by using the 'Show zoom and flip controls' option in the 'Settings' window.

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Frame: 6/18

Layer 15

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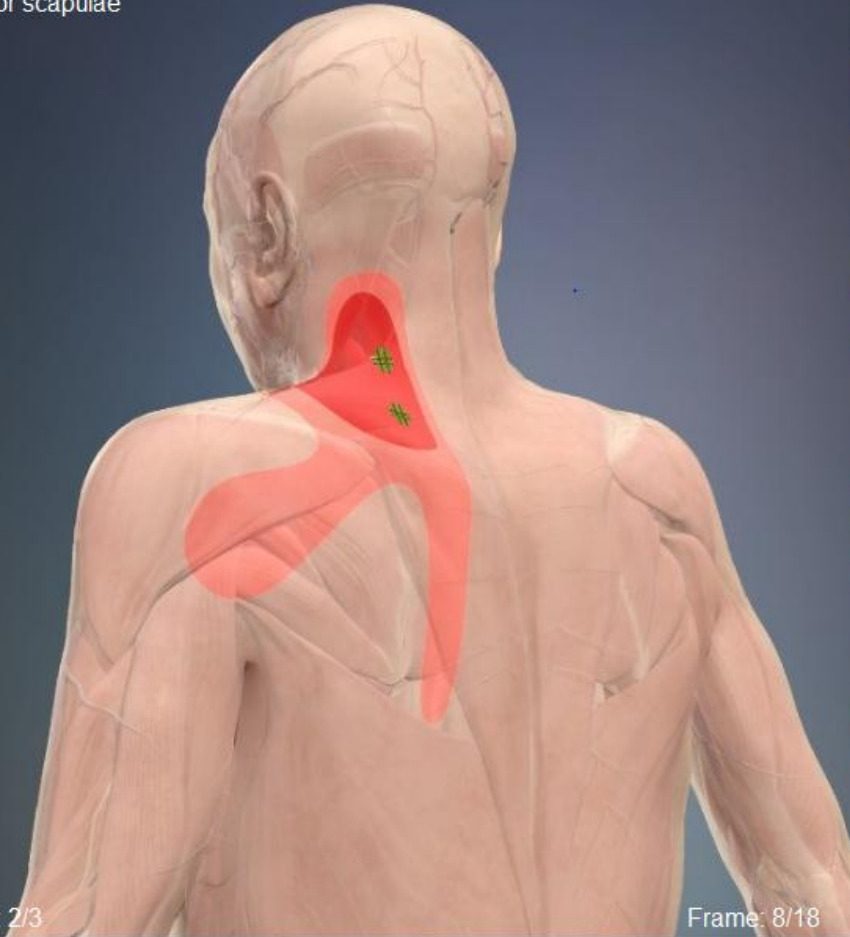
疼痛觸發點



Anatomy

Save Print Settings Help

Levator scapulae



Trigger point: Levator scapulae

Trigger points in the [levator scapulae](#) are probably the second most commonly seen in clinical practice, and cause pain at the base of the neck with stiffness that limits neck rotation to the involved side.

Location

One common trigger point region of the levator scapulae is in its mid-portion at approximately the C7-T1 spinal level where this muscle literally twists, and the other common trigger point region for this muscle is near the superior angle of the scapula where it inserts.

Myofascial referred pain pattern

Its myofascial referred pain pattern is concentrated from the posterior mid-cervical region extending to the superior angle of the scapula and some posterolaterally to the area overlying the shoulder joint, and the lower trigger point may also produce referred pain medial to the scapula to the level of its inferior angle. Clinical involvement of this trigger point region may produce a presentation that is similar to that of torticollis.

Acupuncture point

The acupuncture point [SI14](#) enters the lower trigger point region of the levator scapulae muscle.

Meridian

The distribution of the [small intestine](#) principal meridian corresponds well with the myofascial pain pattern of the levator scapulae over the nape of the neck to the posterior shoulder joint region, and the small intestine sinew channel distribution encompasses all of the levator scapulae myofascial referred pain distribution.

Regional pain indications

The clinical indications of SI14 for shoulder and scapular pain as well as neck rigidity with inability to turn the head correspond well with the levator scapulae lower trigger point region's regional pain indications.

Layer: 2/3

Frame: 8/18

Layer 2

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運動醫學 - 手功能訓練



Interactive Anatomy: Interactive Hand - Therapy Edition - Google Chrome

www.anatomy.tv/start.asp?app=handtherapy...ewwin=&framesize=&h=768&w=1366&GuideResId=&GuideIndex=&isStudent=

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Therapy Text

- Ligament Testing
 - MP Joint - Testing Collateral Ligament Stability
 - MP Joint of the Thumb - Ulnar Collateral Ligament Injury
 - Testing Stability of the First CMC Joint
 - PIP Joint - Ligament Testing
 - Testing Intrinsic Tightness
 - DIP Joint - Ligament Testing
 - Thumb IP Joint - Ligament Testing
 - Testing Dorsal/Volar Metacarpal Play
 - Volar Plate Testing
 - Testing the ORL
 - Ulnar Collateral Ligament of the Elbow - Testing
 - Radial Collateral Ligament of the Elbow - Testing
- Joint Stiffness
 - MP Joint - Stiffness
 - PIP Joint - Stiffness
 - DIP Joint - Stiffness
- Arthritis
 - MP Joint - Rheumatoid Deformities
 - CMC Joint - Rheumatoid Deformities
 - Thumb IP Joint - Rheumatoid Deformities
 - PIP Joint - Common Rheumatoid Deformities
 - DIP Joint - Rheumatoid/Osteoarthritis Deformities
 - Rheumatoid Deformities of the Wrist
 - Distal Ulna - Rheumatoid Deformities
 - CMC Joint - Osteoarthritis
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 - De Quervain's Tenosynovitis
 - Flexor Tenosynovitis
 - Extensor Tenosynovitis in Rheumatoid Arthritis,
- Retinacular Level
 - Manual Muscle Testing
 - Manual Muscle Testing, Pronator Teres
 - Manual Muscle Testing, Flexor Carpi Radialis

Volar Plate Testing

MP Joint

Stabilize the metacarpal (movie) and passively hyperextend the MP joint. It should not go further nor be more painful than the other MP joints in the same individual.

PIP Joint

Stabilize the proximal phalanx (movie) and push the middle phalanx toward hyperextension. The joint should have a non-painful, secure end point equal to that of the other uninjured fingers.

DIP Joint

Stabilize the middle phalanx (movie) and passively hyperextend the DIP joint. It should not go further nor be more painful than other DIP joints in the same individual.

Thumb IP Joint

Stabilize the middle phalanx (movie) and passively hyperextend the thumb IP joint. It should not go further nor be more painful than other thumb IP joints in the same individual.

[Jump to Top of Text](#)

手功能訓練手法說明

下午 06:35
2011/10/5



www.anatomy.tv/start.asp?app=handtherapy&startres=00000&newwin=&framesize=&h=768&w=1366&GuideResId=&GuideIndex=&isStudent=

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Manual Muscle Testing
Manual Muscle Testing, Pronator Teres
Manual Muscle Testing, Flexor Carpi Radialis


Volar Plate Testing

MP Joint
Stabilize individual.

PIP Joint
Stabilize the other

DIP Joint
Stabilize individual.

Thumb IP
Stabilize same indi



other nor be more painful than the other MP joints in the same

joint should have a non-painful, secure end point equal to that of
Levator scapulae

the second most 在要痛區域的四周範圍游標
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its

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erally to the area overlying the shoulder joint, and [Jump to Top of Text](#)
medial to the scapula to the level of its inferior angle.

produce a presentation that is similar to that of

搭配影片作教學

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Regional pain indications
The clinical indications of SI14 for shoulder and scapular pain as well as neck rigidity with inability to turn
the head correspond well with the levator scapulae lower trigger point region's regional pain indications.



圖像的說明

www.anatomy.tv/start.asp?app=handtherapy&startres=00000&newwin=&framesize=&h=768&w=1366&GuideResId=&GuideIndex=&isStudent=

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 - Manual Muscle Testing, Flexor Carpi Radialis

MP Joint - Stiffness

MP joint stiffness (image) creates a pattern of extrinsic flexion of the IP joints. It is commonly seen in traumatic hand injuries where a combination of edema and immobilization are present.

These conditions create a stiffening of the volar plate such that it can no longer fold "out of the way" during flexion of the joint. Thus immobility of the volar plate can contribute to difficulty in regaining flexion. Unlike the PIP joint, regaining extension is usually not problematic due to the less extensive check rein ligament portion of the MP volar plate.

Edema reduction is mandatory before any techniques can be effective to regain MP joint motion.

Appropriate splinting (Slide 1 (image) , Slide 2 (image)) is necessary to regain flexion as the primary flexors of the joint (the intrinsic muscles) are not strong enough to regain the ligament length needed in flexion.

Appropriate MP joint splinting, palmar view. - Google Chrome

www.anatomy.tv/slideviewer.asp?slideres=37100620

LABEL
MOVE
NO ZOOM
EXIT
Zoom 77 % GO



測試題庫

Question: 1 of 5
Easy Level

The answer is: First metacarpal

- First metacarpal
- Second metacarpal
- Third metacarpal
- Trapezium
- Fourth metacarpal

REVEAL



0 1

NEW QUIZ

Navigation icons: back, forward, search, and a dropdown menu showing 'Palm Model' and 'Low Quality'.

Navigation icons: zoom in/out, a 'DEEP' button, a dropdown menu showing 'Layer 1', and a 'SUPERFICIAL' button.

運動醫學 — 運動傷害



運動傷害造成說明及治療影片

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 - Gait analysis and biomechanical examination
- techniques
 - Pelvis, hip, and leg examination
 - Knee and lower leg examination

Passive movements

This should assess range of movement at the [ankle \(movie\)](#), [subtalar \(movie\)](#), [midtarsal \(movie\)](#), and [metatarsophalangeal \(MTP\) joints \(movie\)](#).

Dorsiflexion at the ankle can be assessed more effectively on standing. Limitation of dorsiflexion may be due to tightness of the [Achilles tendon \(labeltext\)](#) / calf muscles or due to a bony block at the front of the ankle.

The passive range of movement of a single joint may vary depending on the position of an adjacent joint. The range of movement of the [subtalar joint \(movie\)](#) is best assessed with the ankle in maximal dorsiflexion. This locks the wider part of the [talus \(labeltext\)](#) into the ankle joint. The range of movement of the ankle also depends on whether the ankle is [supinated or pronated \(topictext\)](#).

The [range of movement of the first MTP joint \(movie\)](#) is dependent on the position of the ankle joint. More dorsiflexion of the MTP joint occurs when the ankle is plantarflexed. Maximal dorsiflexion of the first MTP joint (i.e. with the ankle plantarflexed) should ideally be about 90 degrees for classical dancers and about 60 degrees for runners. Significant limitation of dorsiflexion in these two activities will increase the risk of injury to the joint and elsewhere in the foot and leg.

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搭配圖文說明運動傷害造成的因素



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 - Active rehabilitation of fractures
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 - Injuries to joints
 - Acute/trauma injuries
 - Lower leg and ankle
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 - Medial ankle ligament sprains
- Foot
 - Talar fractures
 - Talar fractures: overview
 - Fractures of the talar neck
 - Fractures of the talar body
 - Fractures of the lateral process of the talus

1. A transverse fracture can be caused by direct violence, accompanied by local tissue damage or by avulsion of a muscle insertion. (Slide 1 (image) , Slide 2 (image))
 2. An oblique or spiral fracture is usually caused by a twisting force applied at a distance. Soft tissue damage may occur at a site distant from the fracture. (Slide 1 (image) , Slide 2 (image) , Slide 3 (image))
 3. A greenstick fracture occurs in the more yielding bones of children which have more connective tissue matrix and less mineral than adult bones. The bone does not break completely i.e. an incomplete fracture occurs. (Slide (image))
 4. A crush fracture occurs in cancellous bone as a result of direct compression. (Slide (image))
 5. A comminuted (image) fracture has more than two fragments. Gross comminution occurs as a result of direct violence. (Slide (image))
 6. A pathological fracture occurs from trivial violence through bone that is already weakened by disease such as metastatic carcinoma, osteomalacia, osteoporosis and Paget's disease etc. **Closed and open fractures**
A closed fracture (syn. simple fracture) has no communication between the site of the fracture and the external environment.
An **open fracture** (image) (syn. compound fracture) has a wound in the skin surface which communicates with the fracture site and multiply as time goes by. Therefore, the treatment of an open fracture cannot be achieved without thorough cleaning and covering with sterile dressing until formal surgical debridement is carried out. These patients require broad spectrum antibiotics and previously been immunised or human antitetanus globulin for those who had not received immunisation.
- ### Stress fracture
- A stress fracture can arise from repeated abnormal cyclical loading of normal bone (fatigue fracture). A common example is the **march stress fracture** (image) of the second metatarsal in unaccustomed running in athletes.
- See also: *Metatarsal stress fractures* (topic text)
- ### Fracture healing
- The aim of fracture healing is to restore the integrity of the damaged bone, thereby allowing functional use of the limb. The stages of fracture healing are:
1. Stage of inflammation.
 2. Stage of callus formation.
 3. Stage of consolidation.





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ANATOMY CONTENTS QUIZ INJURIES HOME

PRIMAL



Talus

Anatomy Text

The talus is the second largest bone of the tarsus and forms the summit of the foot. It articulates superiorly with the tibia and fibula at the ankle joint, and inferiorly with the calcaneus at the [talocalcaneal joint \(image\)](#). Anteroinferiorly it forms a further articulation with the calcaneus and navicular at the [talocalcaneonavicular joint \(image\)](#). The talus is a short bone which consists of a head, neck and body. A number of ligaments attach to the talus, but no muscles or tendons are attached to it.

[Jump to Top of Text](#)

搭配解剖位置的說明

Navigation icons: back, forward, search, and a dropdown menu showing 'Ankle' and 'Low Quality'.



DEEP

Layer 2

SUPERFICIAL



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手術：針對各式手術提供文字影像的說明



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此網頁為 英文 您要翻譯網頁內容嗎？ 翻譯 不需要 永遠不要翻譯英文 選項

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Podiatry

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 - Hallux valgus: presentation and diagnosis
 - Hallux valgus: treatment
 - Surgical procedures for hallux valgus
 - General considerations for surgery to correct hallux valgus
 - Silver bunionectomy
 - Chevron/Austin osteotomy
 - L/Reverdin/Green osteotomy
 - Osteotomy of the first metatarsal shaft (Gudas-Scarf)
 - Osteotomy of the Hallux (Akin)
 - Keller arthroplasty for hallux valgus
 - Post operative recovery after hallux valgus surgery
 - Lesser metatarsal surgery
 - Deformities/injuries
 - Lesser metatarsal deformities/injuries
 - Treatment for lesser metatarsal deformities/injuries
 - Conservative treatment for lesser metatarsal deformities/injuries
 - Surgical procedure
 - General considerations for lesser metatarsal surgery
 - Weil osteotomy
 - Tailor's bunion
 - Tailor's bunion
 - Surgery for Tailor's bunion

hallux valgus

- Silver bunionectomy
- Chevron/Austin osteotomy
- L/Reverdin/Green osteotomy
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- Keller arthroplasty for hallux valgus
- Post operative recovery after hallux valgus surgery

Lesser metatarsal surgery

- Deformities/injuries
 - Lesser metatarsal deformities/injuries
 - Treatment for lesser metatarsal deformities/injuries
 - Conservative treatment for lesser metatarsal deformities/injuries
 - Surgical procedure
 - General considerations for lesser metatarsal surgery
 - Weil osteotomy
 - Tailor's bunion
 - Tailor's bunion
 - Surgery for Tailor's bunion

Silver bunionectomy

Occasionally patients present with a painful and prominent first metatarsal medial eminence but no significant first MTP joint pain. Other patients complain of pain over the union area but are not concerned or troubled by the deviation of the hallux. In diabetic and rheumatoid patients there may be a history of repeat ulceration over the first MTP joint or recurrent bursitis and in the elderly, the medial eminence may be continuously painful due to pressure from shoes and associated atrophic skin. In these patients with specific needs, a simple bunionectomy may alleviate symptoms.


Note : this procedure does not address the underlying pathology in true hallux valgus and is therefore not indicated for the management of hallux valgus. This procedure is also inadequate where an increased intermetatarsal angle dictates that an osteotomy is required.

Surgical technique

1. The medial metatarsal eminence is approached via a [dorsomedial incision \(movie\)](#) .
2. The wound is deepened through layers with small venules tied off or coagulated.
3. With a power saw the [medial eminence \(movie\)](#) is resected and the bone rasped smooth.
4. The dorsomedial margin of the metatarsal head is [rounded \(movie\)](#) to provide a smooth contour and to prevent excessive amount of the medial eminence in an attempt to achieve a narrow foot.

Post operative recovery

Patients can expect to be back into wide footgear after two weeks but delay in wearing shoes until patients this simple procedure can bring great pain relief allows for early mobility.





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- Lesser metatarsal surgery
 - Deformities/injuries
 - Lesser metatarsal deformities/injuries
 - Treatment for lesser metatarsal deformities/injuries
 - Conservative treatment for lesser metatarsal deformities/injuries
 - Surgical procedure
 - General considerations for lesser metatarsal surgery
- Deformities/injuries
 - Surgical procedure
 - General considerations for lesser metatarsal surgery
- surgery
 - Weil osteotomy
 - Tailor's bunion
 - Tailor's bunion
 - Surgery for Tailor's bunion
 - Digital surgery
 - Deformities
 - Hammer toe/mallet toe

Silver bunionectomy

Occasionally patients present with a painful and prominent first metatarsal medial eminence but no significant first MTP joint pain. Other patients complain of pain over the \square union \blacklozenge area but are not concerned or troubled by the deviation of the hallux. In diabetic and rheumatoid patients there may be a history of repeat ulceration over the first MTP joint or recurrent bursitis and in the elderly, the medial eminence may be continuously painful due to pressure from shoes and associated atrophic skin. In these patients with specific needs, a simple bunionectomy may alleviate symptoms.

Note : this procedure does not address the underlying pathology in true hallux valgus and is therefore not indicated for the management of hallux valgus. This procedure is also inadequate where an increased intermetatarsal angle dictates that an osteotomy is required.

Surgical technique

1. The medial metatarsal eminence is approached via a **dorsomedial incision (movie)**.
2. The wound is deepened through layers with small venules tied off or coagulated and the capsule and periosteum are reflected from the bone.
3. With a power saw the **medial eminence (movie)** is resected and the bone
4. The dorsomedial margin of the metatarsal head is **rounded (movie)** to provide an excessive amount of the medial eminence in an attempt to achieve a narrow

Post operative recovery

Patients can expect to be back into wide footgear after two weeks but delayed patients this simple procedure can bring great pain relief allows for early mobility

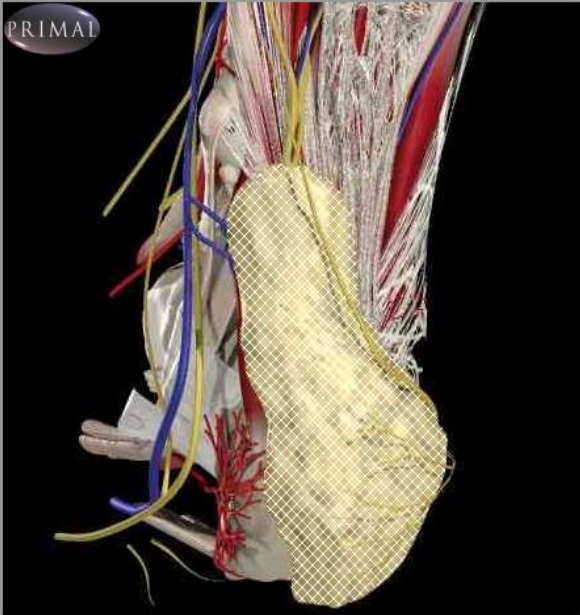


針對該領域的題庫



ANATOMY CONTENTS QUIZ PODIATRY HOME

PRIMAL



Question: 1 of 5
Easy Level

The answer is: Fibro-Fatty Tissue of the Heel

- Fibro-Fatty Tissue of the Heel
- Flexor Retinaculum
- Medial Plantar Nerve
- Dorsal Metatarsal Veins
- Sural Nerve

REVEAL

0 1

NEW QUIZ

00:00:05

Heel Model (close up) Low Quality

DEEP Layer 16 SUPERFICIAL

Regional Anatomy



3D畫面區



文字說明區



目錄結構區

We are Here Because of You!

文字說明



Muscles of the pelvic floor

點選立體影像之部位，於文字區會呈現相關說明

Levator ani: pubococcygeus

Pubococcygeus forms the most anterior component of levator ani, constituting the main part of the pelvic floor.

Origin
Hip bone: body of pubis.
Hip bone: ischial spine.
Fascia covering obturator internus.

Insertion
Coccyx.
Central tendon of the perineum.
Anal canal.
Anococcygeal ligament.

Innervation
Pudendal nerve
Sacral plexus (S3 to S4)

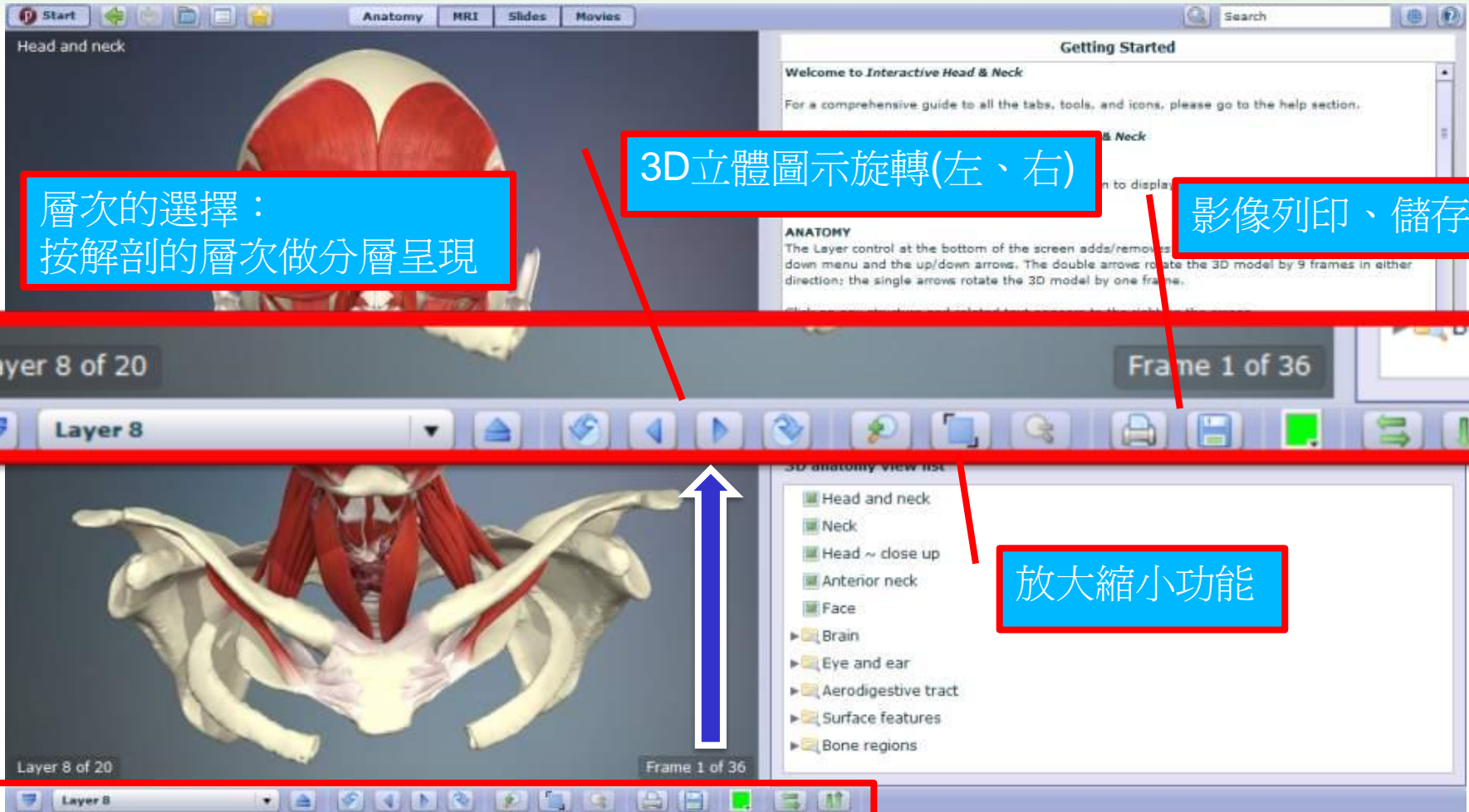
可選擇字體大小、列印、儲存!

3D Views Struct

- Pelvic contents ~ main
- Pelvic contents ~ tumble
- Neurovascular supply
- Median section
- Pudendal canal
- Obturator foramen
- Muscles and fascia
- Reproductive system
- Urinary and digestive systems

Layer 6 of 10 Frame 16 of 18

3D互動



層次的選擇：
按解剖的層次做分層呈現

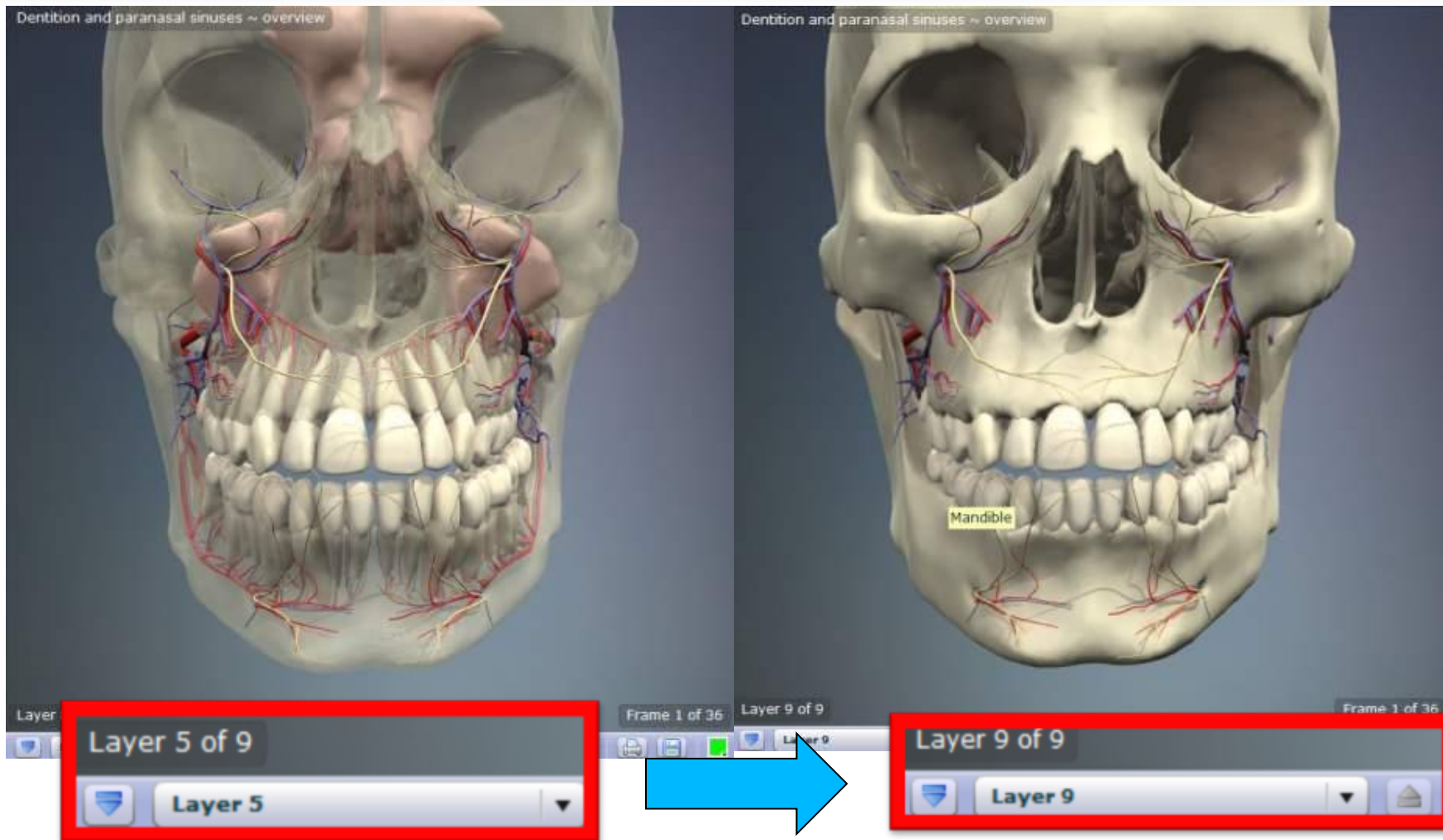
3D立體圖示旋轉(左、右)

影像列印、儲存

放大縮小功能

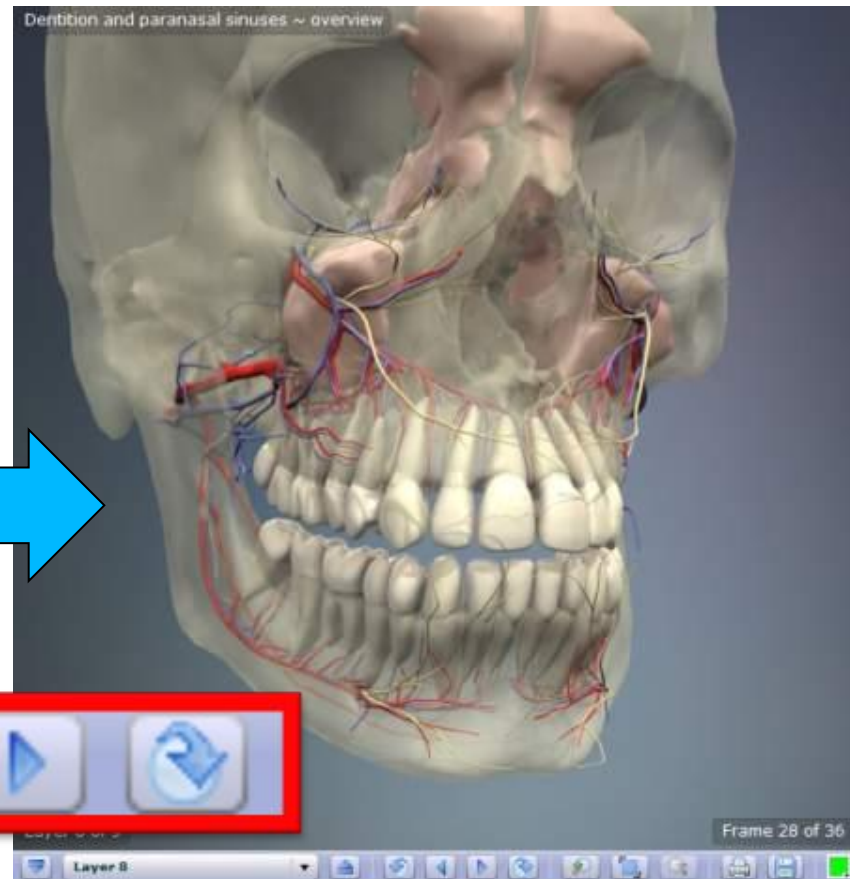
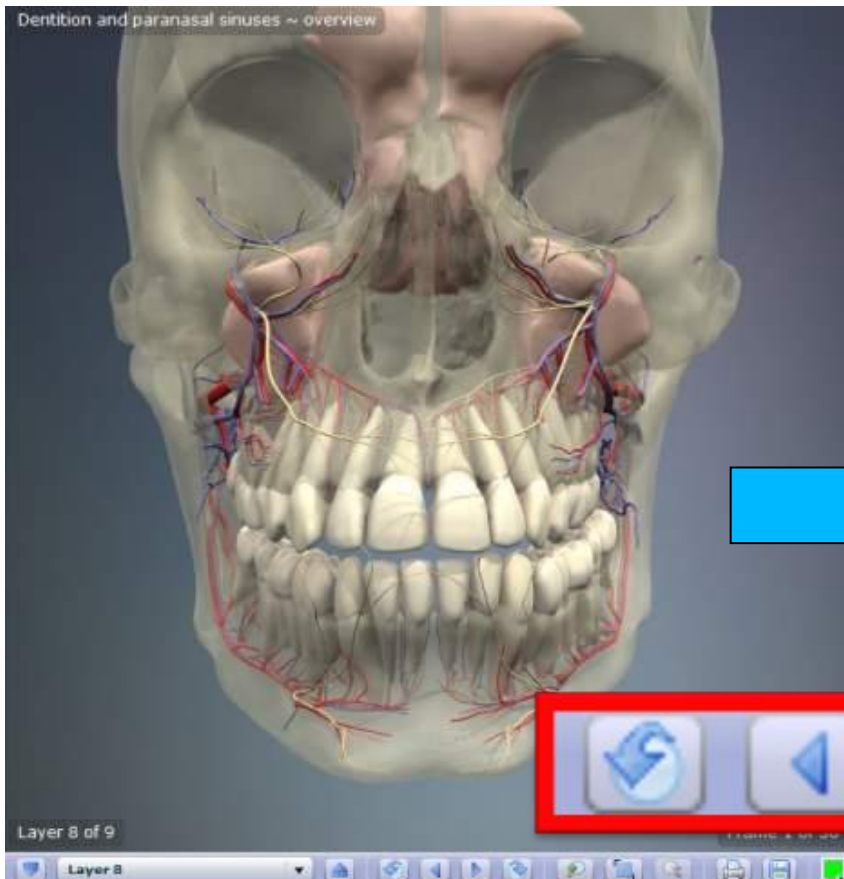
3D互動功能鍵

不同的層次



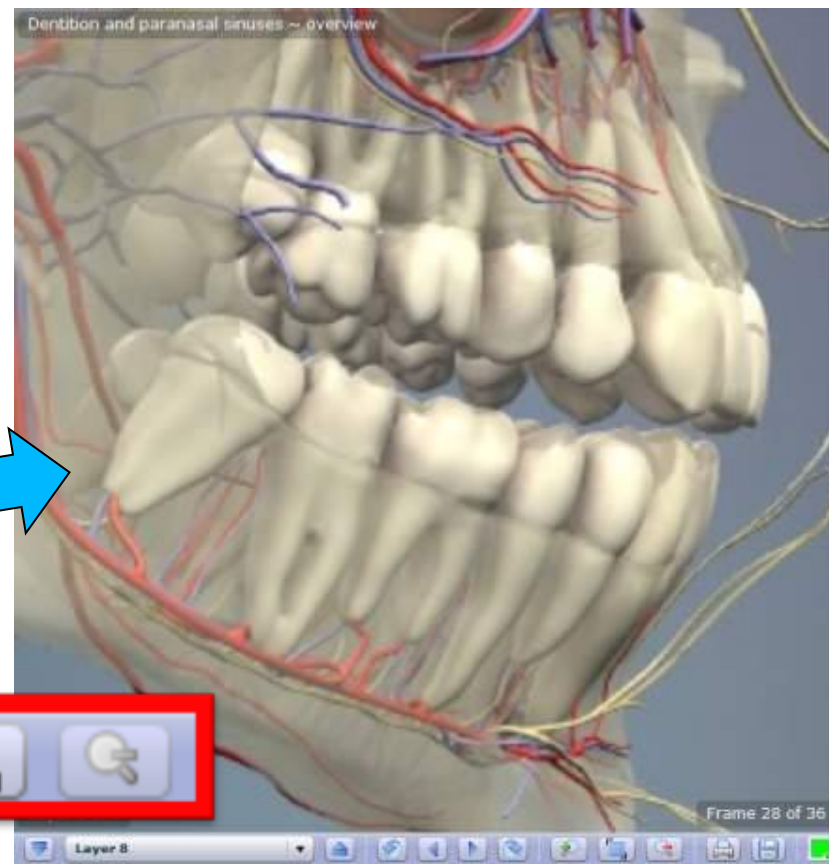
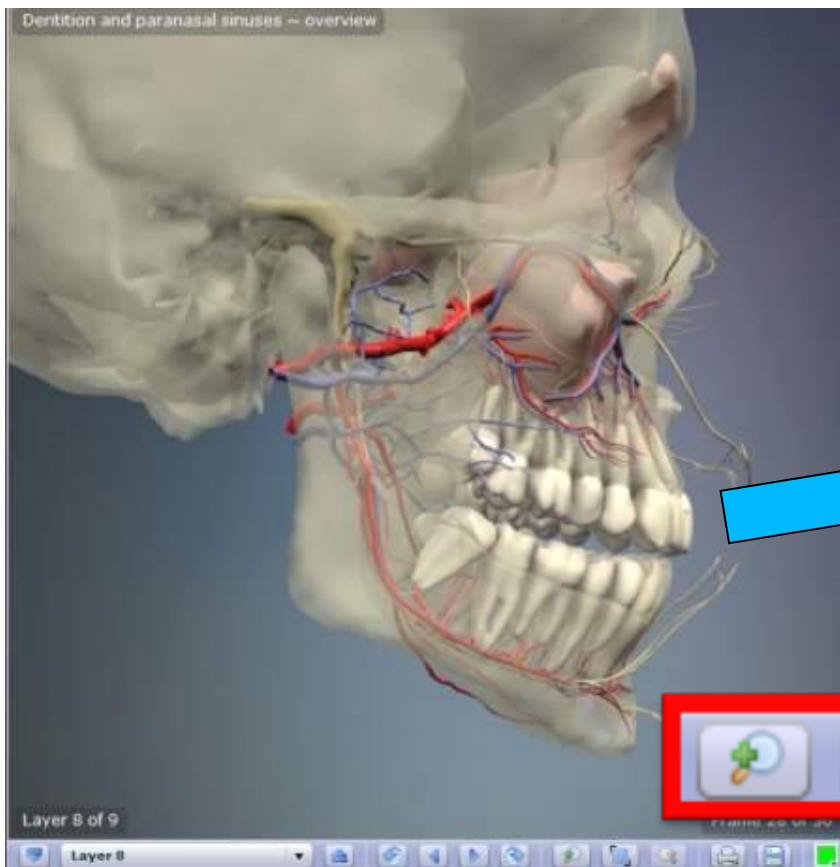
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不同的角度



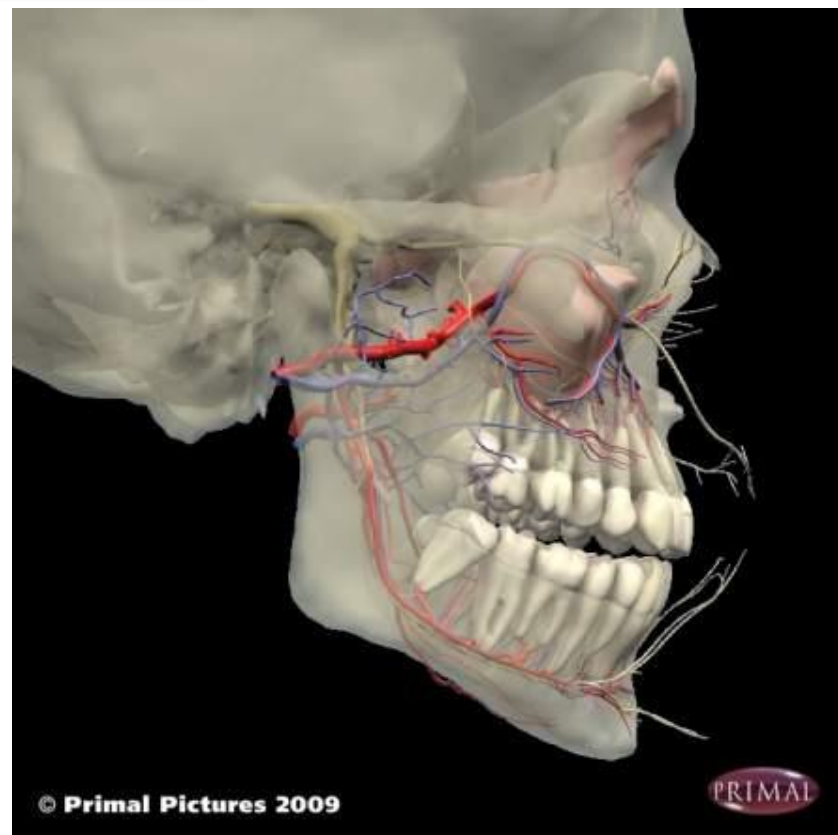
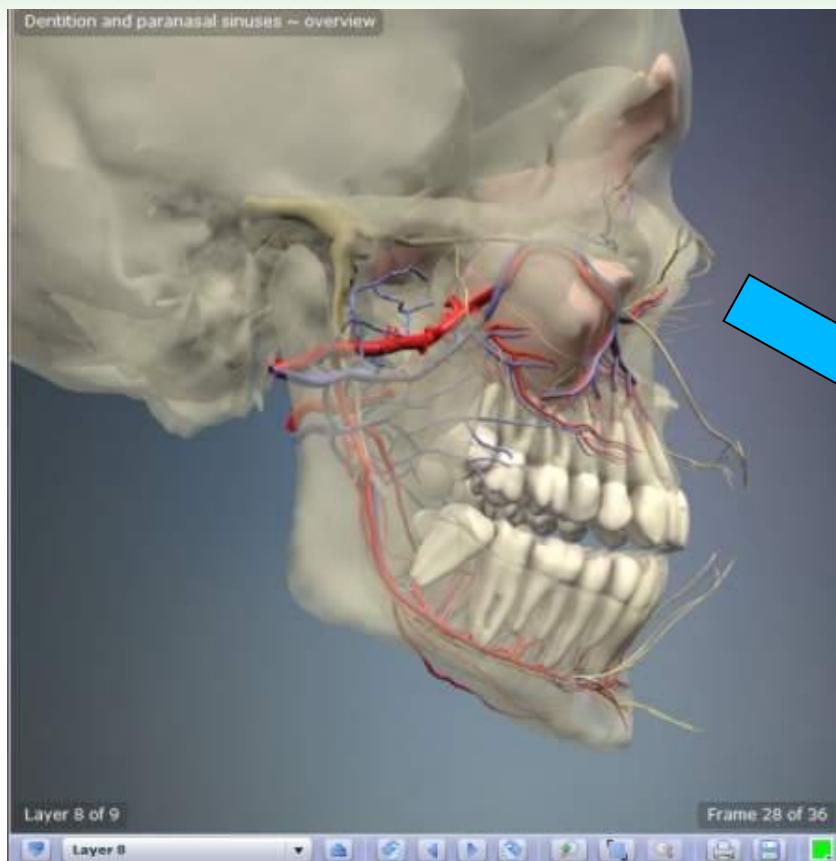
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放大、縮小



We are Here Because of You!

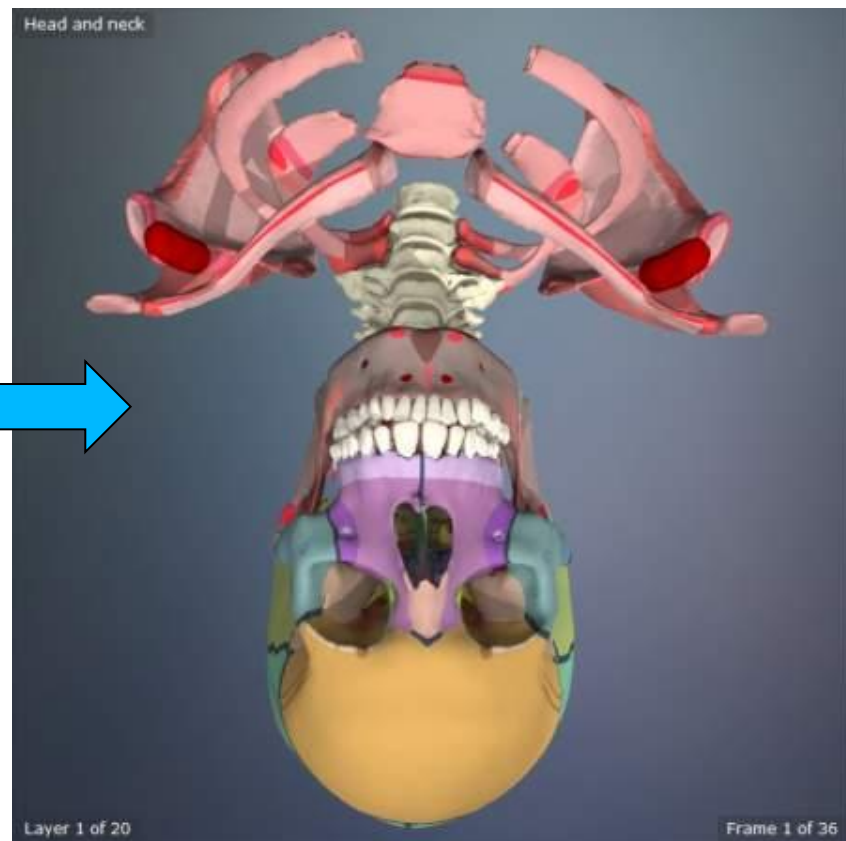
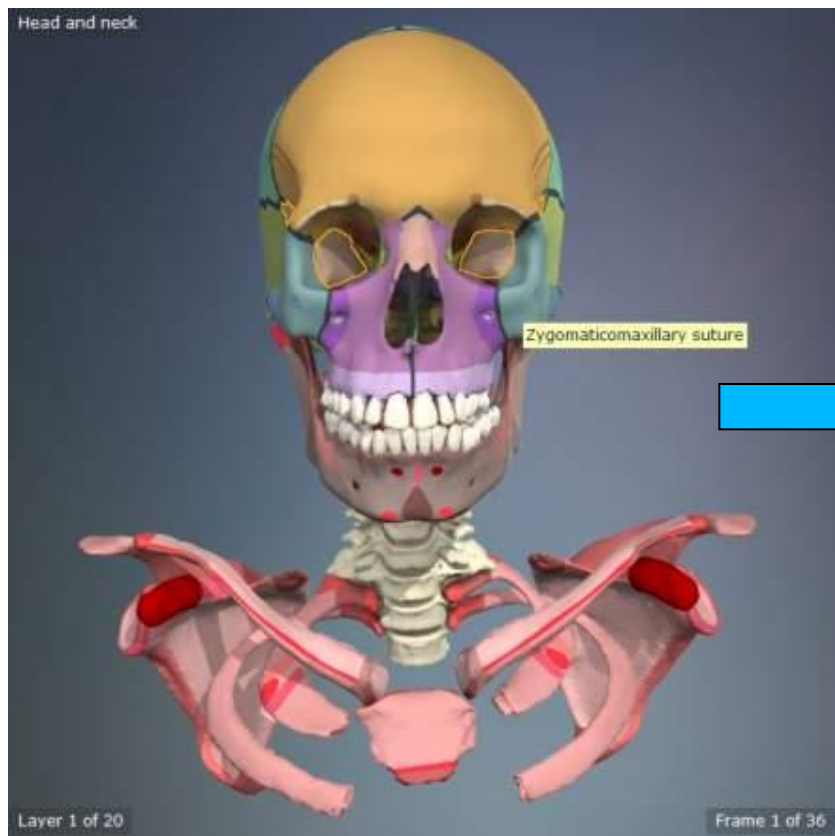
圖片儲存、列印



系統會自動將您的圖片加上來源!

We are Here Because of You!

上下、左右顛倒呈現



We are Here Because of You!

文字說明



Head and neck

Getting Started

Welcome to *Interactive Head & Neck*

For a comprehensive guide to all the tabs, tools, and icons, please go to the help section.

QUICK START GUIDE TO USING *Interactive Head & Neck*

3D VIEWS
Click on the 3D Views tab to the right of the screen to display a list of all available 3D views. This tab is used to quickly navigate around the product.

ANATOMY
The Layer control at the bottom of the screen adds/removes layers of anatomy by using the drop-down menu and the up/down arrows. The double arrows rotate the 3D model by 9 frames in either direction; the single arrows rotate the 3D model by one frame.

Click on any structure and related text appears to the right on the screen.

Click on Save or Print at any time.

3D Views Structures

Face

- Brain
- Eye and ear
- Aerodigestive tract
- Surface features
- Bone regions

Layer 8 of 20

Frame 1 of 36

Layer 8

直接點選3D 圖像，有關圖像之文字說明會呈現於右側文字區中。

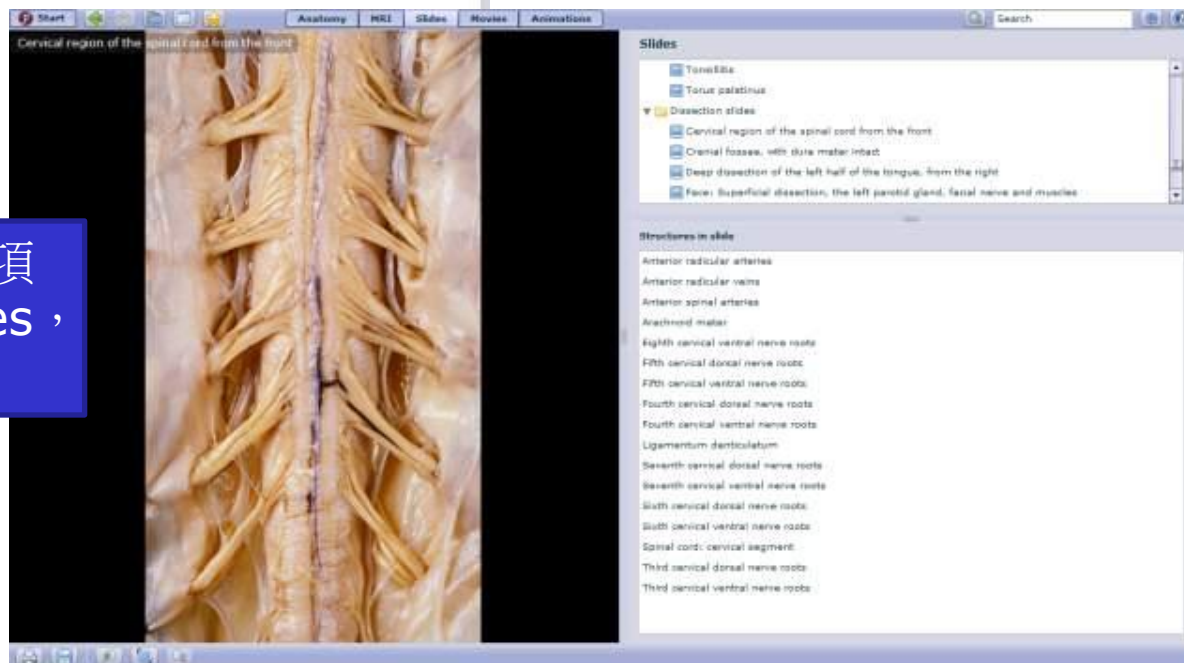
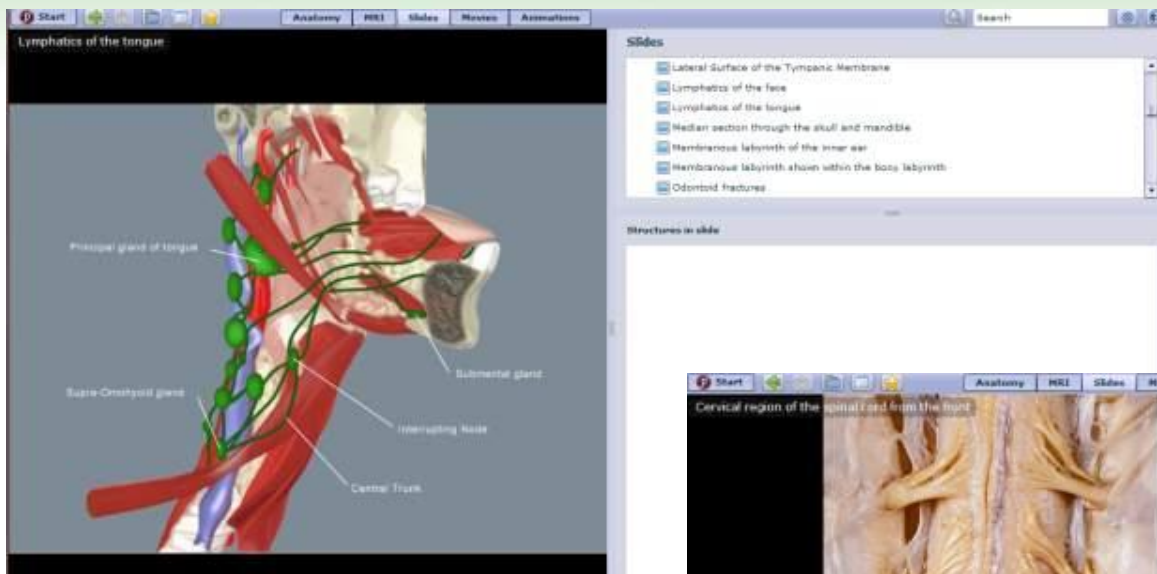
Anatomy子模組



子模組	功能
Anatomy	3D立體影像
MRI	MRI切片
Slides	圖片資源(包含大體圖片、教科書切片...等)
Movies	動畫資源(搭配真人的運動來呈現)
Animations	動畫資源(由描圖動畫來呈現)

We are Here Because of You!

圖片資源



除了從文字區的連結可取得各項資源外，您亦可直接進入Slides，進入取得圖片資源!!

動畫資源



Buccinator: compresses the cheeks

Movies

- ▶ Biomechanics animations
- ▶ Movement Animations for export to PowerPoint
- ▼ Surface anatomy videos
 - ▶ Buccinator: compresses the cheeks
 - ▶ Corrugator: supercili pulls the eyebrows together
 - ▶ Frontalis: elevator of the eyebrow
 - ▶ Masseter: closes the jaw
 - ▶ Orbicularis occuli: closes the eyelids
 - ▶ Orbicularis oris: closes the mouth and lips
 - ▶ Platysma: Tenses the fascia on the anterior and lateral sides of the neck and upper chest
 - ▶ Trapezius/mastoid: one muscle will produce side flexion of the head to the same side

Buccinator compresses the cheeks

Contralateral rotation of the head and cervical spine

Animations

- ▶ Movements of the cervical spine
 - ▶ Contralateral rotation of the head and cervical spine
 - ▶ Flexion/extension of the cervical spine
 - ▶ Flexion/extension of the head and cervical spine
 - ▶ Flexion/extension of the head on the neck
 - ▶ Ipsilateral rotation of the head and cervical spine
 - ▶ Lateral flexion of the head and cervical spine I
 - ▶ Lateral flexion of the head and cervical spine II
- ▶ Movements of the eye
- ▶ Movements of the face
- ▶ Movements of the larynx/pharynx
- ▶ Movements of the TMJ

Anatomy.tv提供真人動畫或電腦
動畫來呈現肌肉收縮呈現!

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MRI



Stomach: body

The body is the midportion of the stomach and is the largest part; the adult stomach varying from 15 to 25 cm long, with its diameter and volume dependent on how much food it contains. It is continuous superiorly with the *fundus* and inferomedially with the *pyloric antrum*. The lateral border of the body is formed by the *greater curvature*, the medial border by the *lesser curvature*.

Blood supply
Gastric arteries
Gastro-epiploic arteries.

Trunk Thorax Abdomen Female Pelvis CT Female Pelvis MRI Male Pelvis

Axial Sagittal Coronal

CT - Lungs CT - Bonns CT - Soft Tissue CT - Shaded

Trunk ~ axial section

Trunk~Axial~CT~Lungs

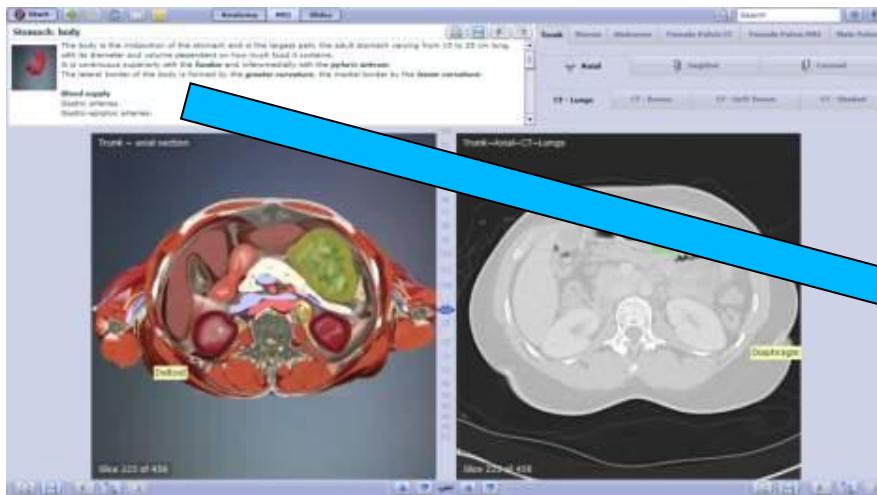
Diaphragm

Slice 225 of 458

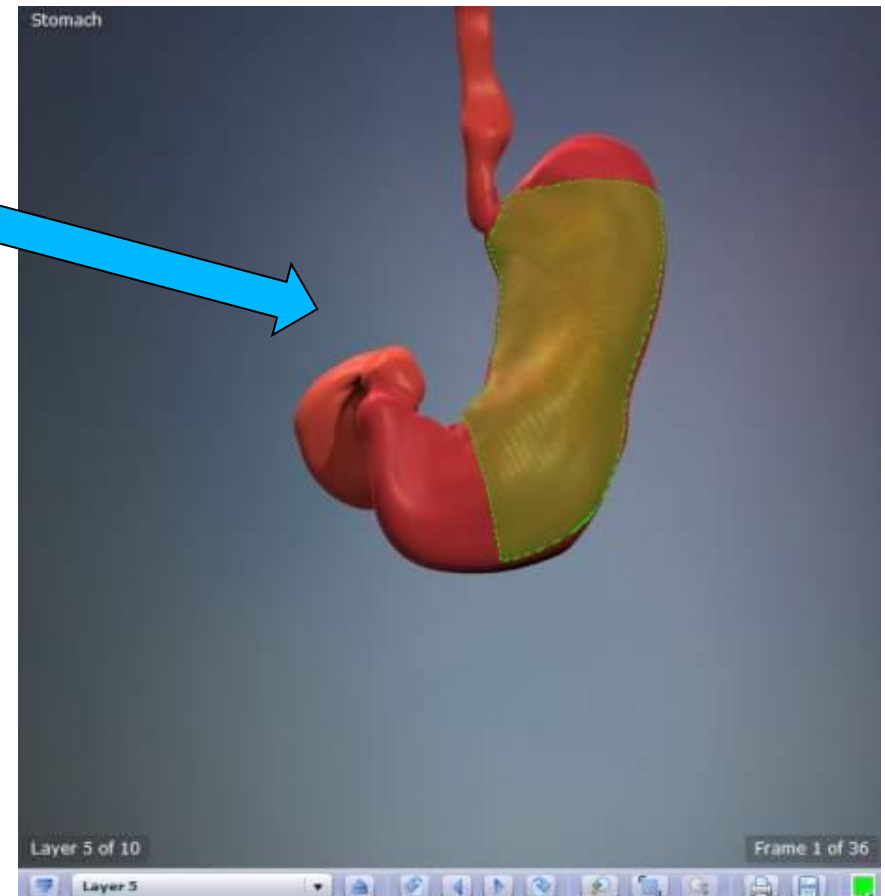
Slice 225 of 458

點選部位，會於MRI影像上標示出來，並於上方文字說明區會呈現相關說明文字

資料的串連



點選左上角的小圖示，即可串連至3D
立體影像模式；從另外的角度切入!!



資料搜尋



可直接輸入您的關鍵字做搜尋，系統會將搜尋結果，關鍵字存在的類別做分類呈現。

MRI



Stomach: body

The body is the midportion of the stomach and is the largest part; the adult stomach varying from 15 to 25 cm long, with its diameter and volume dependent on how much food it contains. It is continuous superiorly with the *fundus* and inferomedially with the *pyloric antrum*. The lateral border of the body is formed by the *greater curvature*, the medial border by the *lesser curvature*.

Blood supply
Gastric arteries
Gastro-epiploic arteries.

Trunk Thorax Abdomen Female Pelvis CT Female Pelvis MRI Male Pelvis

Axial Sagittal Coronal

CT - Lungs CT - Bones CT - Soft Tissue CT - Shaded

Trunk ~ axial section

Trunk~Axial~CT~Lungs

Deltoid

Diaphragm

Slice 225 of 458

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 L1 L2 L3 L4 L5 S1 S2 S3 S4 S5 S6

可以選擇MRI切面的位置，並且讓立體影像與MRI做即時對照!!

MRI:不同切面、型式



Stomach: body

The body is the midportion of the stomach and is the largest part; the adult stomach varying from 15 to 25 cm long, with its diameter and volume dependent on how much food it contains.

Trunk Thorax Abdomen Female Pelvis CT Female Pelvis MRI Male Pelvis

Axial Sagittal Coronal

CT - Lungs CT - Bones CT - Soft Tissue CT - Shaded

Deltoid

Diaphragm

Slice 225 of 458

Slice 225 of 458

您可依照您要所觀察的切面位置或型式做任意的選擇!!

Quiz



ANATOMY.TV

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Product Quizzes

Systemic Anatomy

- Systemic Edition

Sports & therapy

- Acupuncture
- Anatomy for Exercise
- Anatomy Trains
- Functional Anatomy
- Hand Therapy
- Pilates
- Resistance Training
- Sports Injuries: Foot 2/e
- Sports Injuries: Knee 2/e
- Sports Injuries: Shoulder 2/e

Regional Anatomy

Human Anatomy Regional Series:

- Head & Neck
- Spine
- Shoulder
- Hand
- Thorax
- Pelvis
- Hip
- Knee
- Foot

Other titles by Region:

- Essential Regional Anatomy
- Regional Study Guide

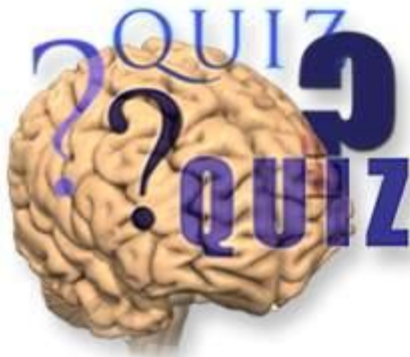
Surgery

- Axilla
- Knee
- Knee Arthroplasty
- Hip Arthroplasty
- Podiatric Medicine

進入Quiz

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Anatomy Quiz



依照部位、功能來選擇您所要測驗的題目!

This web site uses pop-up windows to ease navigation. Please ensure that your web browser allows pop-ups for www.anatomy.tv before proceeding.

Regional Anatomy

Human Anatomy Regional Series:

- ✓ Head & Neck
- ✓ Spine
- ✓ Shoulder
- ✓ Hand
- ✓ Thorax & Abdomen
- ✓ Pelvis & Perineum
- ✓ Hip
- ✓ Knee
- ✓ Foot

Functional Anatomy

- ✓ Functional Anatomy



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Quiz:



3D Human Anatomy Quiz

In this section you will be able to test your knowledge of anatomy. Here are some simple instructions and tips to get you going:

Number of questions
You can choose how many questions are to be featured in your quiz. The minimum number of questions is five.

Question type
There are two types of quiz questions: 'Where is' and 'What is'.

'Where is' questions will ask you to identify an anatomical structure in the 3D model. For example, if the question is 'Where is the femur?' you will need to find the femur in the 3D model and click on it.

'What is' questions will ask you to name the anatomical structure highlighted in the 3D model. You will be given a choice of five anatomical structures, of which only one is correct.

Question difficulty
You will also have the choice to take easy or hard questions. Easy questions will test you on the basic functional anatomy of the chosen area, such as major muscles, ligaments and neurovascular supply. Difficult questions will test you on less obvious anatomical structures, such as divisions of musculature and detailed neurovascular supply.

Choosing views
You can also choose which 3D view to be tested on. You have the option to set the quiz on all or a subset of views.

Review
During the quiz, you may want to consolidate your knowledge of a particular area of anatomy. This is facilitated by clicking on the Review button, which will open up the relevant product title in a new tab or window. Please note that once you have clicked on the Review button, subsequent clicks will refresh the currently opened tab or window, which may be displayed behind the Quiz window.

For in-depth information on Quiz functionality and features, please click on the help file. *Good luck!*

Number of questions
10

Question type
 What is
 Where is
 Mixed

Question difficulty
 Easy
 Hard
 Mixed

Include views: All views

Selection

- Head and neck
- Brain
- Eye
- Larynx

Start quiz

選擇題目：

1. 數量
2. 類型
3. 難易度
4. 區域

題目類型之一：Where is it ?



Head and neck

Where is Inferior root of ansa cervicalis?

Find and click on the structure in the 3D model to answer the question.

由右手邊的題目，於左手邊的影像上選出正確的位置!

Incorrect - You selected Epicraniius: frontal belly of occipitofrontalis (Syn. frontalis).
The Inferior root of ansa cervicalis will be shown if you click on the Reveal button.
Please click on the Review button to review your knowledge in this area.

Pass Reveal Review Mark Next

Question 2 of 10
Correct: 0 Incorrect: 1 Passed: 1

Layer 11 of 20 Frame 33 of 36

題目類型之一：What is it



Eye

What is highlighted?

- Inferior tarsal muscle
- Inferior oblique
- Superior tarsal muscle
- Superior oblique
- Medial rectus

Layer 8 of 12

Frame 36 of 36

Layer 8

Pass

Reveal

Review

Mark

Next

Question 1 of 10

Correct: 0 Incorrect: 0 Passed: 0

由右手邊的題目，於左手邊的影像上選出正確的位置!

Quiz 功能



The correct answer is Basal nuclei: putamen.

答案文字說明區

Pass

Mark

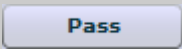
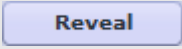


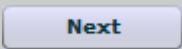
Reveal

Review

Next

Question 2 of 10

Correct: 0 Incorrect: 0 Passed: 2

按鈕	功能
	略過此題目
	取得答案
	連結回Anatomy.tv再次觀察
	確認所選取之答案
	下一題



Thank You!



We are Here Because of You!