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ACLAND' S VIDEO ATLAS OF  
HUMAN ANATOMY  
阿克兰人体解剖视频集

图书馆 吴丽丽

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2023-11-21

# 数据库简介

- 提供**超过300个配有解说的视频**，范围包括上肢、下肢、躯干、头颈和内脏器官
- 全面 **3D 视频集**展示颜色自然的新鲜解剖标本；**360 度**标本视图，辅以清晰的解说和标记结构
- 解剖学家**罗伯特·阿克兰医生**（路易斯维尔大学医学院外科名誉教授）展示并解释每个身体部位的解剖学运动方式——涵盖了**骨骼、肌肉、肌腱、器官**等等
- 可反复独立观看，进行回顾、自我评估以及**实践考试**准备——还可使用**交互式问答**和**定时或复习测验**跟踪自己的成绩

# 主要内容

- **视频内容** 分为5个部分：
  - **上肢**The Upper Extremity
  - **下肢**The Lower Extremity
  - **躯干**The Trunk
  - **头颈**The Head and Neck
  - **内脏器官**The Internal Organs
- **自测题** Self assessment examinations
- **词汇表** (含拉丁文、希腊文或阿拉伯语起源) Glossary of structures with Latin, Greek or Arabic origin of name
- **A-Z索引** A-Z Index of Structures: Browse or Search

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- VOLUME 1 The Upper Extremity
- VOLUME 2 The Lower Extremity
- VOLUME 3 The Trunk
- VOLUME 4 The Head and Neck
- VOLUME 5 The Internal Organs

### Exams

VOLUMES	LAST SCORE
Volume 1: The Upper Extremity	--- Not Started --- 30 Questions
Volume 2: The Lower Extremity	--- Not Started --- 84 Questions
Volume 3: The Trunk	--- Not Started --- 92 Questions
Volume 4: The Head and Neck	--- Not Started --- 80 Questions
Volume 5: The Internal Organs	--- Not Started --- 78 Questions

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VOLUME 1  
The Upper Extremity

VOLUME 2  
The Lower Extremity

VOLUME 3  
The Trunk

VOLUME 4  
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VOLUME 5  
The Internal Organs

+ The Spine

+ The Musculoskeletal Structures of the Thorax

+ The Musculoskeletal Structures Around the Abdomen

+ The Musculoskeletal Structures of the Pelvis

- The Spine

3.1.1 The vertebral column, features of a typical vertebra (4:45)

3.1.2 Cervical and thoracic vertebrae (5:01)

3.1.3 Lumbar vertebrae, sacrum (3:35)

3.1.4 Ligaments of the vertebral column, intervertebral disks (4:41)

3.1.5 Intervertebral joints (0:47)

3.1.6 Review of bones, joints, and ligaments of the vertebral column (1:45)

3.1.7 Paravertebral muscles (4:54)

3.1.8 Spinal cord (cross section), spinal meninges, dural sac (3:11)

3.1.9 Spinal cord (from behind), nerve roots (4:22)

3.1.10 Review of paravertebral muscles and spinal cord (1:20)

+ The Musculoskeletal Structures of the Thorax

+ The Musculoskeletal Structures Around the Abdomen

# ACLAND解剖图谱：浏览

Volume 3: The Trunk > The Spine

TRANSCRIPT EMAIL

## 3.1.1 The vertebral column, features of a typical vertebra

JUMP TO

- Vertebral column
- Coccyx
- Typical vertebra (T6)
- Vertebral body
- Neural arch;  
Vertebral foramen
- Vertebral canal
- Lamina;  
Pedicle
- Spinous process;  
Transverse process
- Articular processes;  
Intervertebral (posterior) joints;  
Intervertebral foramen

twelve thoracic vertebrae,  
and five lumbar vertebrae.

12 thoracic vertebrae

Up Next 3.1.2 Cervical and thoracic vertebrae

Previous Video Next Video

See Also coccyx | intervertebral foramen | pedicle | spinal canal | spine | spinous process of vertebra | transverse process of vertebra | vertebrae

# ACLAND解剖图谱：解说稿

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Volume 3: The Trunk > The Spine

## 3.1.1 The vertebral column

[Menu Icon] JUMP TO

- Vertebral column
- Coccyx
- Typical vertebra (T6)
- Vertebral body
- Neural arch;
- Vertebral foramen
- Vertebral canal
- Lamina;
- Pedicle
- Spinous process;
- Transverse process
- Articular processes;
- Intervertebral (posterior) joints;
- Intervertebral foramen

**3.1.1**  
The vertebral column, features of a typical vertebra  
(4:45)

This tape describes the musculo-skeletal system of the trunk. We'll look at the trunk in four sections. In this first section we'll look at the spine, and the spinal cord. In the following sections we'll look at the thorax, the abdomen, and the pelvis.

The spine is known in anatomy as the vertebral column, or spinal column. In looking at it, we'll look first at the bones, then at the structures that hold the bones together, then at the main muscles which move it. After that, we'll add the spinal cord, and the spinal nerves to the picture.

Here's the vertebral column. It consists of twenty-four separate vertebrae, the sacrum, and the coccyx. There are seven cervical vertebrae, twelve thoracic vertebrae, and five lumbar vertebrae. The sacrum consists of five vertebral segments fused together. The coccyx - our vestigial tail - consists of three or four tiny segments.

The highest cervical vertebra articulates with the skull; the thoracic vertebrae articulate with the ribs; and the sacrum articulates with the two innominate bones to form the pelvis.

When seen from in front, the spine appears straight, but when we look at it from the side, we see that it's markedly curved. The lower cervical vertebrae form a forward curve, the thoracic vertebrae form a backward curve, the lumbar vertebrae curve forward again, and the sacrum curves sharply backward.

These pieces of material represent the intervertebral disks, which we'll be looking at shortly.

The vertebrae of each region are numbered from above down. Instead of using the words cervical, thoracic, lumbar, and sacral, we often just use the letters C, T, L, and S. For example, we'd call the fourth lumbar vertebra the L4 vertebra.

There are marked differences between vertebrae of different regions, but they all have some basic features in common. We'll look at a typical thoracic vertebra to see what these features are.

In front, this cylindrical mass of bone, the body of the vertebra, supports the weight of everything that's above it. Behind, there's a set of bony plates and projections which serve three functions: to protect the spinal cord; to give attachment to muscles and ligaments; and to articulate with the adjoining vertebrae.

This arch of bone, the neural arch, encloses the spinal cord. The space that's surrounded by the arch and

TRANSCRIPT [Email Icon] EMAIL

12 thoracic vertebrae

thoracic vertebrae, e lumbar vertebrae.

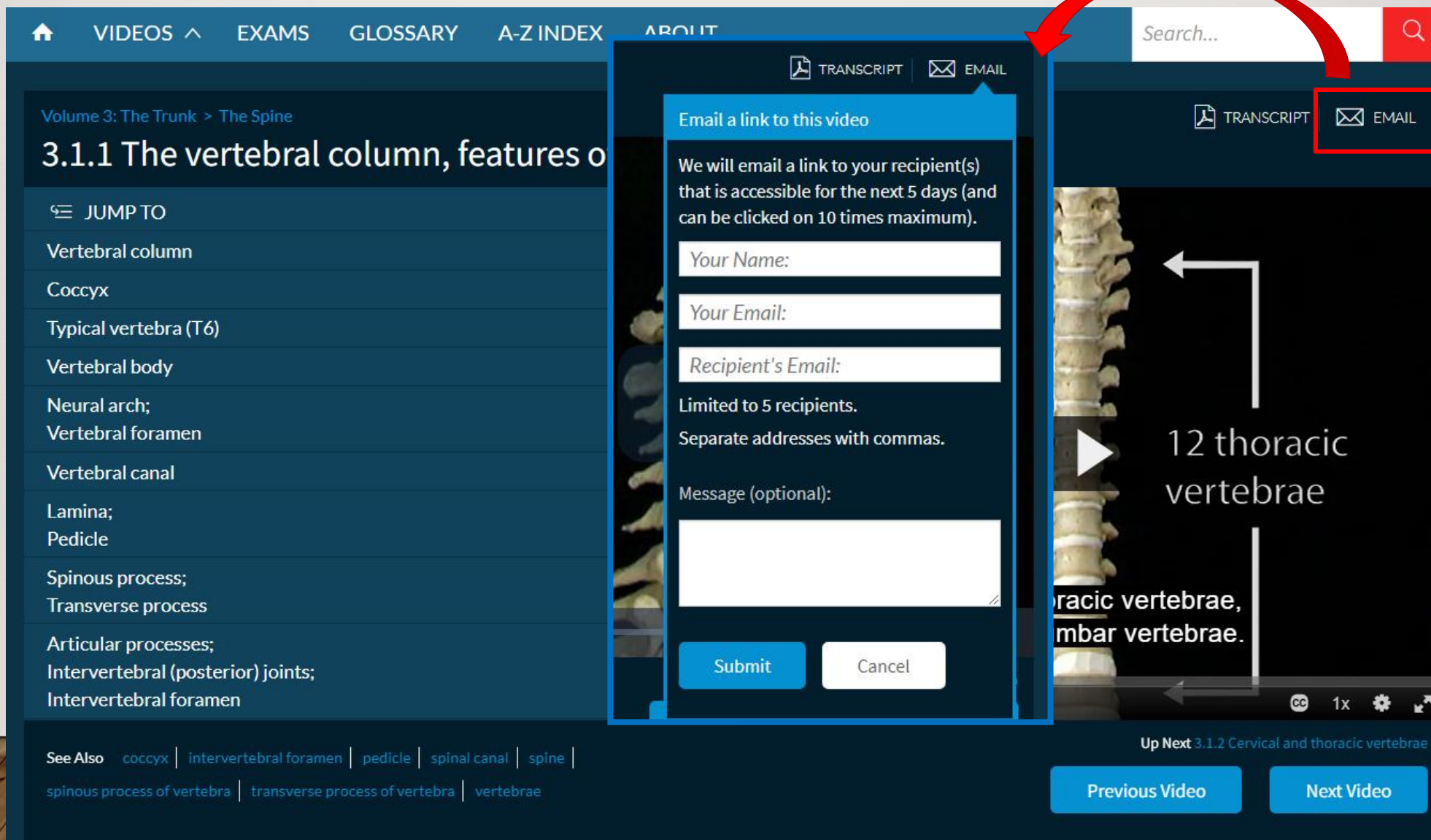
1:00 / 4:45 [CC] 1x [Settings Icon] [Full Screen Icon]

Up Next 3.1.2 Cervical and thoracic vertebrae

See Also [coccyx](#) | [intervertebral foramen](#) | [pedicle](#) | [spinal canal](#) | [spine](#) | [spinous process of vertebra](#) | [transverse process of vertebra](#) | [vertebrae](#)

Previous Video Next Video

# ACLAND解剖图谱：发送视频



The screenshot displays the ACLAND website interface. At the top, there is a navigation bar with links for HOME, VIDEOS, EXAMS, GLOSSARY, A-Z INDEX, and ABOUT. A search bar is located on the right side of the navigation bar. The main content area shows the video title "3.1.1 The vertebral column, features of" and a list of anatomical terms under the heading "JUMP TO". The video player is currently showing a close-up of the thoracic vertebrae, with a white arrow pointing to the 12th thoracic vertebra. A red box highlights the "EMAIL" button in the top right corner of the video player. A modal form is overlaid on the video player, titled "Email a link to this video". The form contains the following text and fields:

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Message (optional):

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At the bottom of the page, there is a "See Also" section with links to related terms: coccyx, intervertebral foramen, pedicle, spinal canal, spine, spinous process of vertebra, transverse process of vertebra, and vertebrae. There are also "Previous Video" and "Next Video" buttons at the bottom right.



# 视频内容标本形式多样

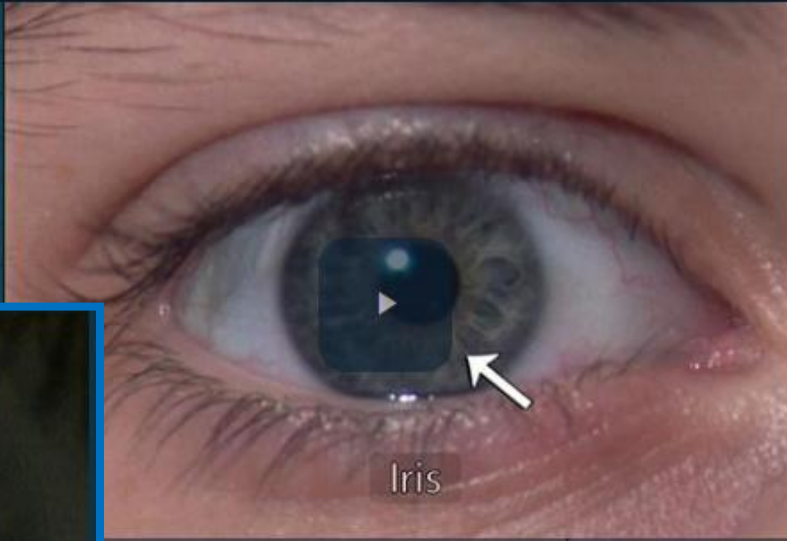
Volume 4: The Head and Neck > The Eye and its Surroundings

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## 4.10.2 The eye

JUMP TO

- Sclera
- Cornea
- Iris
- Pupil
- Lens



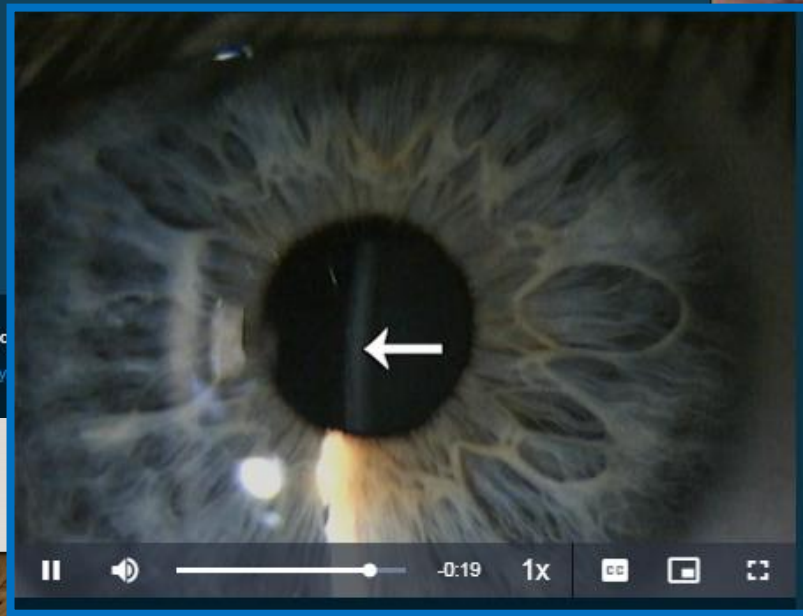
Iris

-2:00 1x

Up Next: 4.10.3 Extra-ocular muscles: recti

Previous Video Next Video


See Also: lens, cry



-0:19 1x

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## ligaments of the vertebral column



-1:43

Up Next: 3.1.7 Paravertebral muscles

See Also: ligaments | pedicle | spine

Previous Video Next Video

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## ACLAND'S VIDEO ATLAS OF HUMAN ANATOMY®

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pancreas

pancre

### Search Results for pancreas

Showing 1 – 14 of 14

5.2.19 **Pancreas** (1m 24s)

(1.24) The **pancreas** is a gland with endocrine and exocrine functions. It's closely applied to the posterior abdominal wall. To see it we'll look at a dissection in which all of the GI tract except the duodenum has been removed. Here's the **pancreas**. It's described as having a head, a neck, a ...

Tags: [tissue dissection](#), [pancreatic ducts](#), [pancreas](#)

5.2.22 Review of liver, **pancreas**, spleen (1m 16s)

(1.16) Let's review what we've seen of the liver, **pancreas** and spleen. Here's the liver, the left lobe, the right lobe, the quadrate lobe, and the caudate lobe. Here's the falciform ligament, and the ligamentum teres. Here's the coronary ligament, and the right triangular, and left triangular ...

Tags: [liver](#), [pancreas](#), [spleen](#)

5.2.25 Veins of the abdominal organs (2m 14s)

(2.14) Now we'll move on to look at the veins that drain the GI tract, the **pancreas** and the spleen. Now we'll move on to look at the veins that drain the GI tract, the **pancreas** and the spleen. The venous drainage of these organs is unlike that of the rest of the body. The arteries we've seen ...

Tags: [tissue dissection](#), [mesenteric vein](#), [portal vein](#), [splenic vein](#), [abdomen](#), [pancreas](#), [veins](#), [porta hepatis](#)

5.2.24 Arteries of the abdominal organs: superior and inferior mesenteric (4m 29s)

look at a dissection similar to the last one. Here's the **pancreas**, here's the celiac trunk, arising from the aorta. Here's the superior mesenteric artery. It arises up here beneath the **pancreas**. We'll remove this part of the **pancreas** to see it. Here's the origin of the superior mesenteric artery ...

Tags: [arteries](#), [acute abdominal pain](#), [anastomosis](#), [surgical](#), [tissue dissection](#), [inferior mesenteric artery](#), [superior mesenteric artery](#), [mesentery](#), [abdomen](#), [rectal artery](#)

Welcome Anne Chaney

Videos

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The Upper Extremity

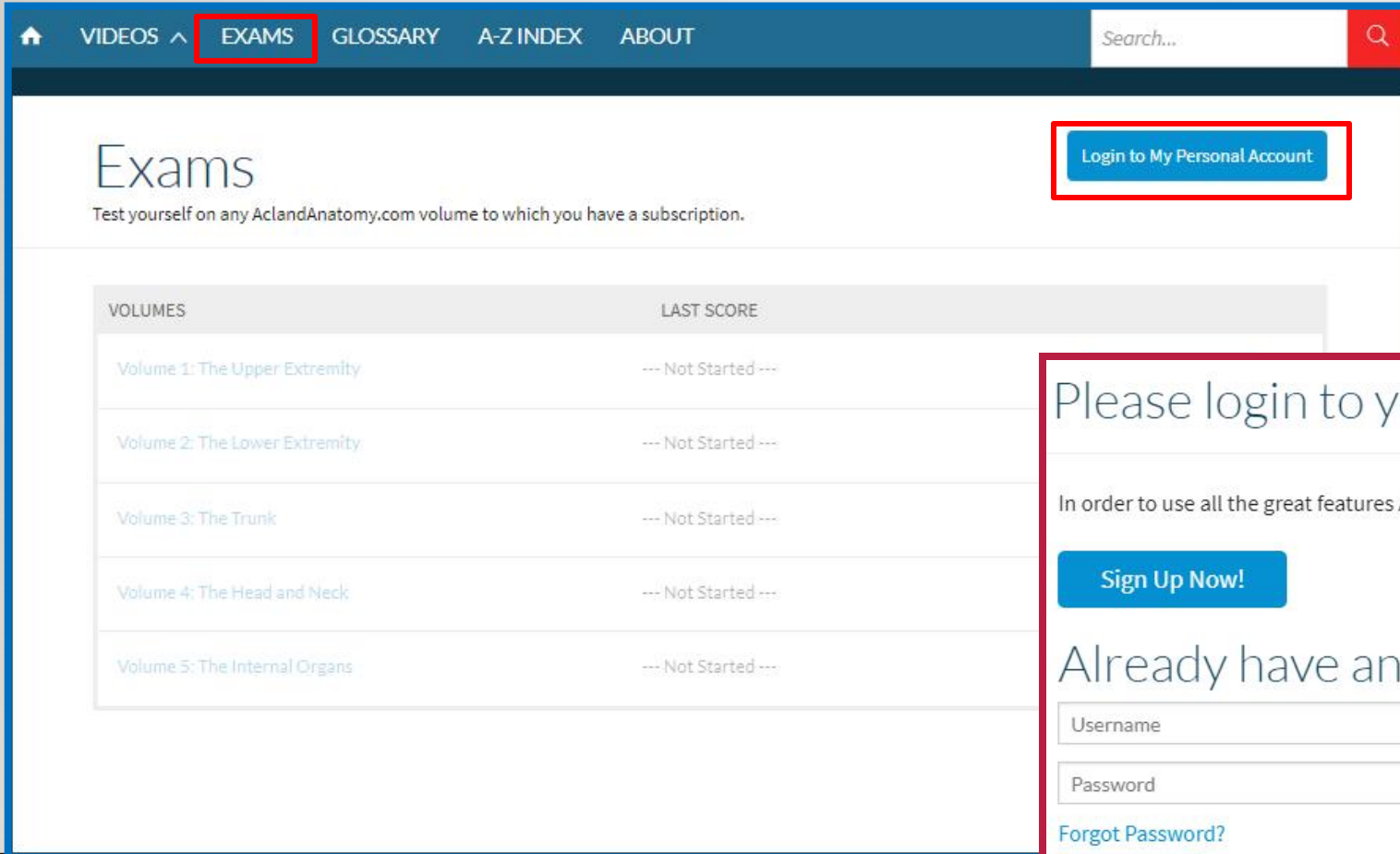
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The Lower Extremity

VOLUME 3  
The Trunk

VOLUME 4  
The Head and Neck

VOLUME 5  
The Internal Organs

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<a href="#">Volume 4: The Head and Neck</a>	--- Not Started ---
<a href="#">Volume 5: The Internal Organs</a>	--- Not Started ---

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
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
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VOLUME 3  
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The Internal Organs

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Volume 2: The Lower Extremity	--- Not Started ---	<input type="button" value="68 Questions"/>
Volume 3: The Trunk	--- Not Started ---	<input type="button" value="52 Questions"/>
Volume 4: The Head and Neck	<div style="width: 20%;"><div style="width: 20%;"></div></div>	<input type="button" value="60 Questions"/>
Volume 5: The Internal Organs	--- Not Started ---	<input type="button" value="70 Questions"/>

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Exams

Volume 4: The Head and Neck

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  seconds per question

Questions

/ 60 Questions

Target new questions

Target questions I got wrong

Review

Check my answers immediately

Review my answers after the exam

Start Exam

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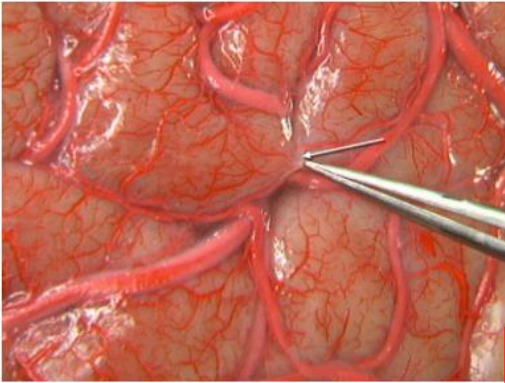
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Exams > Volume 4: The Head and Neck

## Volume 4: The Head and Neck

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1 Incorrect | 0 Correct | 59 Unanswered



In this view of the brain, identify the structure being lifted by the forceps.

- A Arachnoid mater
- B Diaphragma sella
- C Dura mater
- D Dural sinus
- E Pia mater

**Next Question**

Review the following clip for the correct answer:  
4-7-3-77 Arachnoid membrane (timestamp 01:24).

解析直接链接  
到相关视频

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Volume 4: The Head and Neck > The Brain and Its Surroundings

### 4.7.3 The meningeal layers: dura, arachnoid, pia

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JUMP TO

- Pia
- Arachnoid membrane
- Sub-arachnoid space
- Arachnoid cisterns
- Dura
- Openings in dura of middle cranial fossa



0:00 / 3:46

See Also [arachnoid mater](#) | [dura mater](#) | [middle fossa of cranial cavity](#) | [subarachnoid space](#)

Up Next 4.7.4 Lining of middle cranial fossa

Previous Video Next Video

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Volume 4: The Head and Neck		
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Exams

## Volume 3: The Trunk

LAST EXAM TAKEN

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52 NOT FINISHED

LAST SCORE

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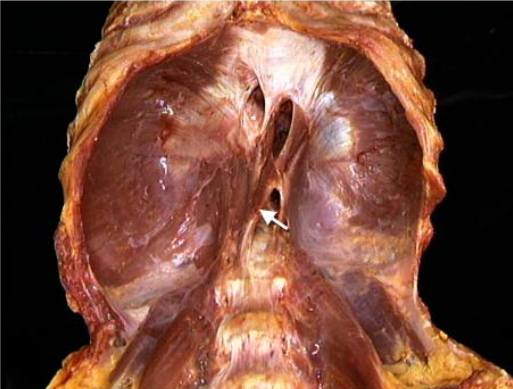
Resume X

Exams > Volume 3: The Trunk

## Volume 3: The Trunk

Save Exam & Review Later

2 Incorrect | 1 Correct | 49 Unanswered



Identify the structure indicated by the arrow.

- A Aortic hiatus
- B Esophageal hiatus
- C Median arcuate ligament
- D Right crus of diaphragm
- E Vena caval foramen

Submit & View Next Question Skip & Answer Later

Save Exam & Review Later

# ACLAND解剖图谱：词汇表

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## Glossary

Many anatomic structures are still known by names given when Greek, Arabic and Latin were languages of learning. There are no accepted translations for most anatomic names, so these interesting links with the past remain in service.

type to filter  Jump to **A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ↑**

A					
Abduct	LATIN	<i>ab, away + ducere, ꝥ</i>	Atlas	GREEK	<i>Atlas, mythical figure; Atlas supports the world on his shoulders.</i>
Acetabulum	LATIN	<i>acteam, vinegar + a</i>	Axis	GREEK	<i>axon, axle or pivot.</i>
Adduct	LATIN	<i>ad, towards + ducei</i>	Azygos	GREEK	<i>azygos, unyoked (not a pair) named for its asymmetry.</i>
Adrenal	LATIN	<i>ad, toward + ren, ki</i>	B		
Ala (alar)	LATIN	<i>ala, wing.</i>	Biceps	LATIN	<i>bi, double; caput, head.</i>
Alveolus (alveolar)	LATIN	<i>alveolus, small com</i>	Brevis	LATIN	<i>brevis, short.</i>
Ampulla	LATIN	<i>ampulla, flask.</i>	Buccinator	LATIN	<i>buccinator, trumpeter</i>
Ansa	LATIN	<i>ansa, handle.</i>	Bursa	LATIN	<i>bursa, purse.</i>
Antecubital	LATIN	<i>ante, in front; cubit</i>	Brachial	GREEK	<i>brachion, arm.</i>
Anular	LATIN	<i>anus, ring.</i>	Brachiocephalic	GREEK	<i>brachion, arm; kephale, head.</i>
Appendix	LATIN	<i>ad, toward; pender</i>	Basilic	ARABIC	<i>basilik, inner.</i>
Arcuate	LATIN	<i>arcus, bow.</i>	C		
Areola	LATIN	<i>areola, small area.</i>	Calcaneus	LATIN	<i>calcar, spur.</i>
Atrium	LATIN	<i>atrium, court or hal</i>	Callosum	LATIN	<i>callus, hard.</i>
Auricle	LATIN	<i>auricula, diminutive</i>	Calvaria	LATIN	<i>calva, bald.</i>
			Canaliculus	LATIN	<i>canaliculus, little canal.</i>



# ACLAND解剖图谱：A-Z索引

快速检索到所有  
相关视频

The screenshot displays the ACLAND A-Z Index website. The navigation bar includes links for VIDEOS, EXAMS, GLOSSARY, A-Z INDEX (highlighted), and ABOUT. A search bar is located in the top right corner. Below the navigation bar, the A-Z INDEX section is visible, with a search filter and a 'JUMP TO' menu containing letters A through Z. A red box highlights the 'A-Z INDEX' link in the navigation bar and the 'JUMP TO' menu. A red arrow points from the 'A-Z INDEX' link to the 'A-Z results for Aorta' section. The 'A-Z results for Aorta' section displays a list of videos with thumbnail images and titles:

- Volume 3: The Trunk > The Musculoskeletal Structures of the Thorax  
3.2.10 Ascending aorta, aortic arch and its branches (3:47)
- Volume 3: The Trunk > The Musculoskeletal Structures of the Thorax  
3.2.11 Internal thoracic artery, descending aorta (2:26)
- Volume 3: The Trunk > The Musculoskeletal Structures Around the Abdomen  
3.3.14 Arteries of the abdominal region (3:58)

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- [How the Atlas Was Made](#)
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- VOLUME 1**  
[The Upper Extremity](#)
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[The Lower Extremity](#)
- VOLUME 3**  
[The Trunk](#)
- VOLUME 4**  
[The Head & Neck](#)
- VOLUME 5**  
[The Internal Organs](#)

### Robert D. Acland, MBBS, FRCS (1941-2016)

Dr. Robert Acland gained his expertise in instructional video during his first career as a pioneer and teacher of microsurgical techniques. In his second career as a clinical anatomist, Dr. Acland established and directed the renowned Fresh Tissue Dissection Laboratory at University of Louisville School of Medicine, where he taught anatomy to students and surgeons and pursued anatomical research. Working with fresh, unembalmed cadavers, Dr. Acland pioneered new and highly effective techniques of anatomical videography that give the viewer a clear three-dimensional understanding of spatial relationships.

Robert D. Acland, MBBS, FRCS (1941-2016)

# 小结

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- 解说详细，配有解说稿
- 知识点较浅，内容偏少，与其他知识点的相关性不强（生理学、影像学、临床学等）