

e-Anatomy User Guide



www.imaios.com

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How the site works

The IMAIOS site comprises 3 major parts:

- e-Anatomy : Anatomy atlas
- e-Courses: Interactive educational program specialised in magnetic resonance imaging
- Clinical cases : Virtual workshops and bank of interactive clinical cases in medical imaging.

An extract of the three activities is displayed on the home page in the form of small icons. Next to each of them are two important indications for the user:

- A colour coding system.

A button that indicates whether the module is free or not

Online medical training for healthcare professionals

Popular anatomy modules	Latest clinical cases	Popular MRI courses
 <div style="border: 1px solid red; padding: 2px; display: inline-block; margin-top: 5px;"> Brain (MRI 3D) PREMIUM </div> <p style="font-size: small; margin-top: 5px;"> Images: 379 Anatomical parts: 524 Section: Head and Neck </p>	 <div style="display: inline-block; margin-top: 5px;"> Sigmoid volvulus FREE </div> <p style="font-size: small; margin-top: 5px;"> Series: 3 Images: 346 Section: Abdomen </p>	 <div style="display: inline-block; margin-top: 5px;"> Nuclear Magnetic Resonance FREE </div>
 <div style="border: 1px solid red; padding: 2px; display: inline-block; margin-top: 5px;"> Lower extremity (diagrams) FREE </div> <p style="font-size: small; margin-top: 5px;"> Images: 119 Anatomical parts: 690 Section: Limbs </p>	 <div style="display: inline-block; margin-top: 5px;"> Rectal obstruction due to endometriosis FREE </div> <p style="font-size: small; margin-top: 5px;"> Series: 9 Images: 491 Section: Abdomen </p>	 <div style="display: inline-block; margin-top: 5px;"> Sequences FREE </div>
 <div style="border: 1px solid red; padding: 2px; display: inline-block; margin-top: 5px;"> Brain (diagrams) PREMIUM </div> <p style="font-size: small; margin-top: 5px;"> Images: 64 Anatomical parts: 730 Section: Head and Neck </p>	 <div style="display: inline-block; margin-top: 5px;"> Cranioencephalic injuries, limb injuries,... FREE </div> <p style="font-size: small; margin-top: 5px;"> Series: 10 Images: 1187 Section: Emergency cases </p>	 <div style="display: inline-block; margin-top: 5px;"> NMR signal and MRI contrast FREE </div>

The colour coding system



There are three different levels:

- Green : « student »
- Yellow : « Intern »
- Red : « Expert »

Pricing system

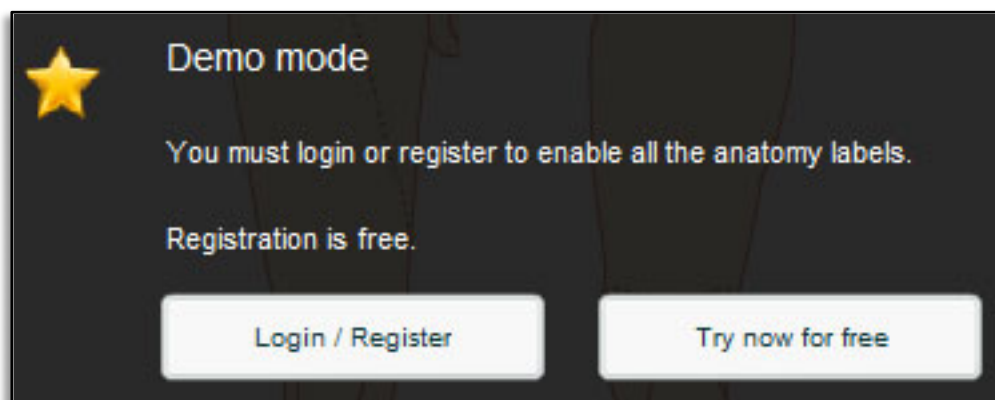
The applications on the site are free of charge with the exception of a few modules in the e-anatomy application, which require a “premium” subscription. This enables access to a wider range of functions.

The labels below are used to distinguish between them:



However, to access the entire content of the site, you must first register. To do this, you must create a user account (free) and log in. If you are not yet a member, you can still test the application but some of the information will be hidden.

It is not necessary to register and create a user account for institutional subscriptions via IP address when using e-Anatomy online. To use e-Anatomy on your iOS mobile (iPhone, iPad, iPod touch) or Android (phone or pad), if your access is via an institutional subscription using IP address authentication, you will need a user account.



Presentation

e-Anatomy is an interactive human anatomy atlas, developed on the IMAIOS website. It is designed for use by doctors, radiologists, students, and medical imaging specialists.

The application presents medical imaging examinations (CT scan, MRI, radiographs) with annotated anatomical structures and diagrams.

e-Anatomy has received numerous awards from the Radiological Society of North America, the European Congress of Radiology and the French Society of Radiology.

The application has been translated into 8 languages and attracts more than 160,000 visitors per month from 191 countries.

The modules

On the first page of the e-anatomy site, the modules are classified and presented as a function of the part of the body that they represent, i.e. "Head and neck", "Thorax, abdomen, and pelvis", "Spinal column and spinal cord", and "extremities".

Shortcuts are displayed on the right hand side of each web page using these same icons.

The "**head and neck**" section comprises the following modules ("*premium" indicates the modules that require a subscription fee):



Brain (MRI 3D) PREMIUM



Brain (MRI in axial slices) FREE



Brain (diagrams) PREMIUM



Cranial nerves (diagrams) PREMIUM



Autonomic nervous systems (diagrams) FREE



Petrous bone (CT) PREMIUM



Face and neck (MRI) PREMIUM



Face (CT) FREE

The “**Thorax, Abdomen, and Pelvis**” section comprises the following modules:



Lymph nodes (ganglia) (CT) PREMIUM



Visible Human Project PREMIUM



Thorax (CT) FREE



Abdomen – Pelvis (CT) FREE



Female pelvis (MRI) PREMIUM



Heart (illustrations) FREE



Coronary scan (CT) PREMIUM



Coronarography FREE



Chest anatomy (Illustrations) PREMIUM



Médiastinum (illustrations) PREMIUM



Thoracic wall-Breast (Illustrations) PREMIUM

The “**Spinal column and spinal cord**” section comprises the following modules:



Spine (diagrams) **FREE**



Spine (standard radiography) **FREE**



Spinal cord (diagrams) **FREE**

The “**Limbs**” section comprises the following modules:



Upper extremity (diagrams) **FREE**



Upper extremity (Radiographs) **FREE**



Upper extremity (MRI) **FREE**



Shoulder (MRI) **PREMIUM**



Elbow (CT arthrography) **PREMIUM**



Wrist anatomy (3T MR) **PREMIUM**



Lower extremity (diagrams) **FREE**



Lower extremity (radiography images) **FREE**



Leg: arteries-bones (3D) **FREE**



Lower extremity (MRI) **FREE**



HIP (3T MR) **FREE**



Knee (MRI) **PREMIUM**



Ankle - Foot (MRI) **PREMIUM**



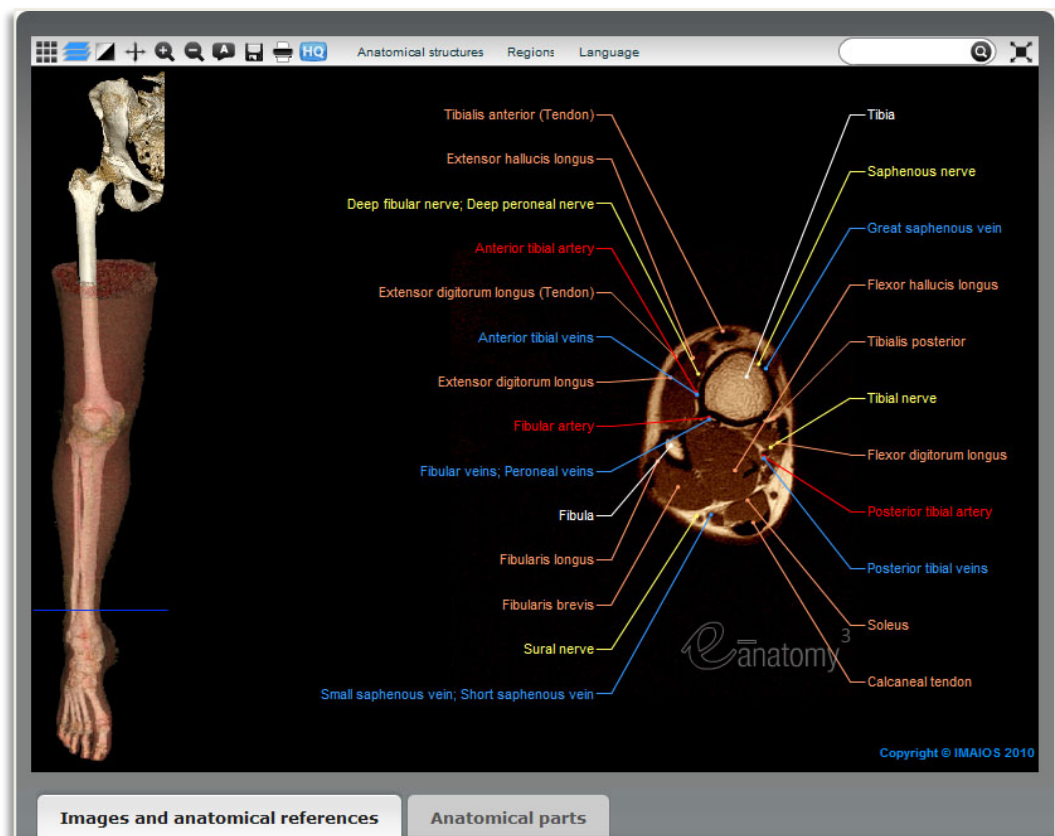
Planes and motions (diagrams) **FREE**

Description of a module

The interface

Each page of the module is subdivided into several tabs:

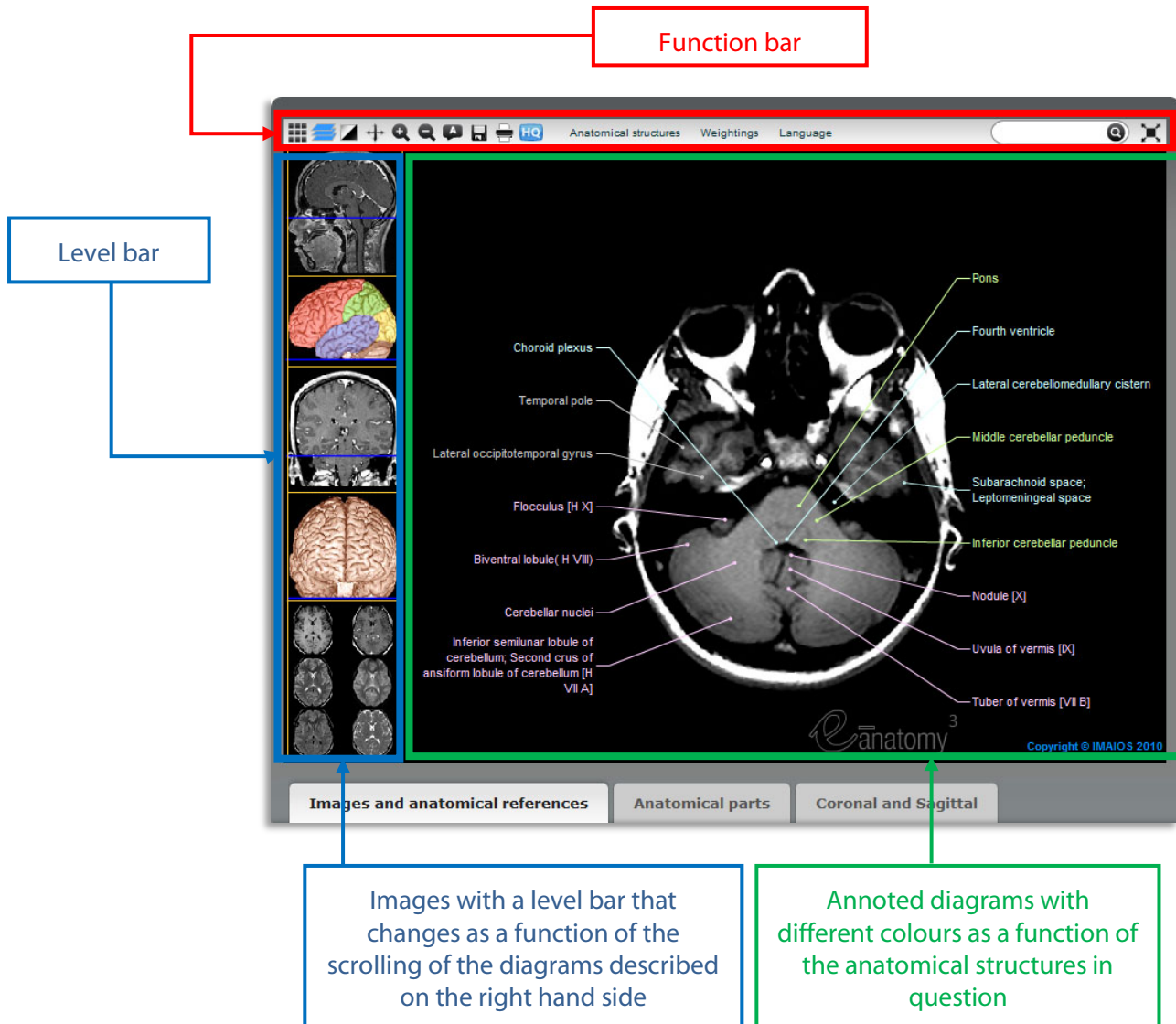
- The anatomy atlas itself in Adobe Flash® with its functions
- The sources of the images and anatomical references: references of the illustrations and the images used as well as the description of the procedure and software used to integrate them into the site.
- The anatomical structures: list of all of the legends of the module in anatomical terminology in the chosen language.
- Descriptive anatomy: some modules (notably that of the heart) comprise illustrated texts of descriptive anatomy, or useful classifications.



MRI anatomy of the lower extremity -
atlas of the human body using cross-sectional imaging

The anatomy atlas tab comprises:

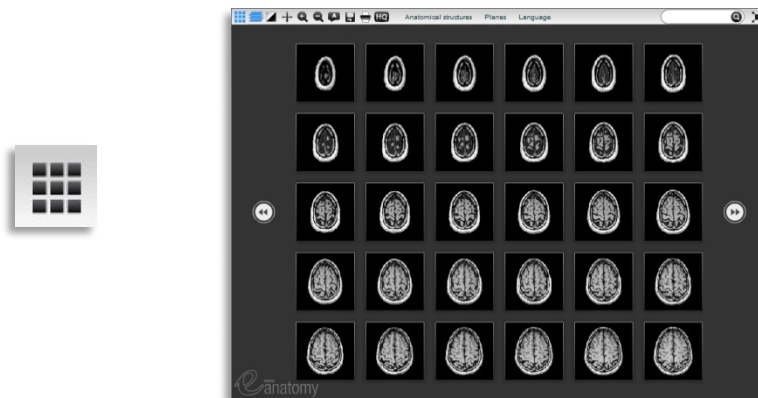
- A function bar at the top (in red);
- One or several images on the left, enabling orientation via cross-references (in blue);
- A series of images that can be scrolled by clicking and holding the left button of the mouse and moving the mouse up or down (in green).



The functions

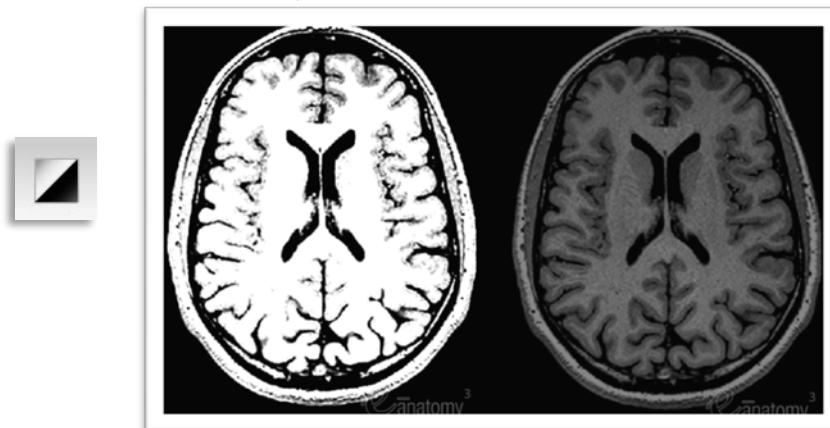
Some of these are only accessible to “premium” subscribers (in which case, the description includes a *).

Enables the presentation of all of the images in the module in the form of a mosaic (gallery). **FREE**



Click to return to the normal image display mode **FREE**

Allows you to change the contrast and brightness of the image by holding down the left button of the mouse and moving it up or down or from left to right **PREMIUM**





Allows you to move the image and corresponding legends by clicking and holding the left button of the mouse and moving it. **PREMIUM**



Click on this icon once to zoom in on the image **PREMIUM**



Click on this icon once to zoom out of the image **PREMIUM**



Click this icon to change the way in which the legends are displayed: standard display, hide legends, display as numbers for the quizzes

PREMIUM



Click this icon to export the image to the hard drive (in jpeg format or as a powerpoint slide). **PREMIUM**



Click to print the image **PREMIUM**



Click this icon to download the series of images in high definition

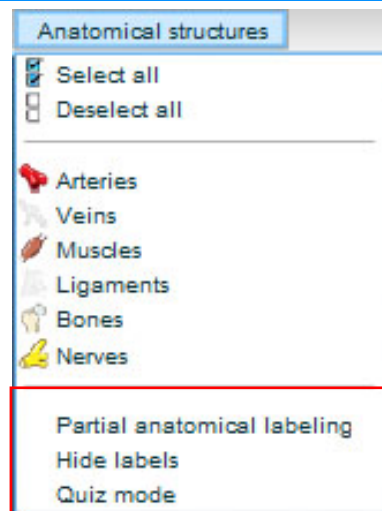
PREMIUM



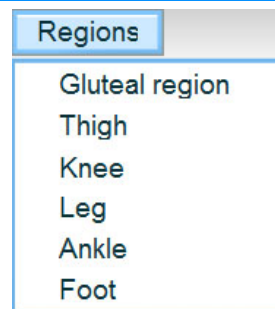
Click to display the module full screen **PREMIUM**



Image printing and export to JPEG, PNG or Powepoint format may not work with all computer settings. One alternative is to do a screen grab and then paste the image into your document, presentation or image editing software.

Anatomical structures FREE

The legends displayed on the images can be selected as a function of the type of anatomical structure. The bottom tabs, below, allow you to hide the legends with one click or display them in number format for the quizz mode:

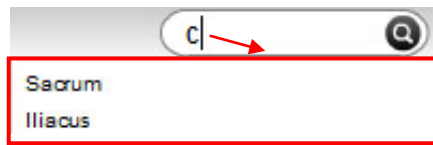
Region FREE

This function gives you direct access to a particular anatomical region or a series of images within the module

Language FREE

This function allows you to choose the language in which the legends are displayed.

The search engine FREE



The search engine enables you to find an anatomical structure and display it directly and individually within the images.

These functions are also available by clicking the right button of the mouse: This will give you a menu of the previously described functions, such as :

Fullscreen	←	Full screen display
Cine	←	Image scrolling mode
Contrast	←	change the contrast
Zoom +	←	Zoom in
Zoom -	←	Zoom out
Move	←	Move the image
Quiz	←	Quiz: This functions leaves the arrows of the legends but hides the text so that you can test yourself FREE
Mouse zone	←	Mouse zone (Pointer): a box replaces the pointer of the mouse and only displays the legends in this zone FREE
Labels	←	Labels: Hide or display the legends of the diagram FREE
Image gallery	←	Image gallery: Presents all of the images in the module in the form of a mosaic
Export	←	
Print image	←	Print the image PREMIUM
Flash WIN 10,0,2,54		
e-Anatomy v3.1.5		
Module lowerlimb_v3		
Afficher les zones de retraçage		
Débogueur		
Paramètres...		
À propos d'Adobe Flash Player 10...		
	←	Save the image PREMIUM

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