



Manual

Quick



Vesalii Anatomy 3D



About Vesalii

"Vesalii" the biggest medical library in the world, aims at assisting universities, students, healthcare professionals, and even patients in receiving quality and accurate medical information. It also provides different tools to easily view, study, and understand human anatomy of the male and female using 3D, virtual reality, and real CT scan models. We have the largest medically accurate content developed by our anatomy experts and doctors, offering more than 1,000 histology images, 50,000 landmarks, 20,000 traceable blood vessel and nerve paths, 500,000 CT images, and over 5 million medical words. Over 5 million medical words.



Vesalii Products

Our Products



Vesalii Anatomy 3D Explore the comprehensive structure of the female and male human body in a stunning 3D environment, covering every anatomical structure with full medical information for each



Vesalii Anatomy VR Explore the comprehensive structure of the female and male human body in an immersive virtual reality environment, covering every anatomical structure with full medical information for each.



Vesalii Dicom Converter 3D

Convert your DICOM files into a 3D model that can be used on your desktop computer or smartphone. allowing you to explore your DICOM images in a 3D environment

Vesalii Dicom Converter VR

Convert your DICOM files into a 3D model that can be viewed using virtual reality (VR) gear, allowing you to explore your DICOM images in a one-of-akind experience you never experience before.

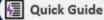


Vesalii Radiology 3D

Learn and understand how to read CT medical images, control tissue density, and body planes (axial, sagittal, coronal) on a stunning 3D model created from over 1 million CT images available for vou to study.

Vesalii Radiology VR

Learn and understand how to read CT medical images, control tissue density, and body planes (axial, sagittal, coronal) on a stunning 3D model viewed using immersive VR technology created from over 1 million CT images available for you to study







Button	Function
Male Body	Access 3D male body structure
Female Body	Access 3D female body structure
Multi Users	Create a session to get other users involved

esalii Anatomy (Online Interactive Lecture	 Schedule Meeting
Upcoming	Previous	
Pick a rar		
	There are no upcoming meetings to show.	
		Join Meeting
		Enter Meeting ID

Button	Function
Upcomi ng	To display the upcoming schedule meeting
Previous	To display a list of all finished meeting
Pick a range	To search for meeting within data range
Enter meeting ID	Enter the meeting address identifier to join meeting
Attendee Name	Enter the name of the session attendee, this option can be auto filled based on the server configuration
Join	To join a meeting
Schedule meeting	To schedule a meeting for upcoming time, by clicking on it we will see the below figure



esalii Anatomy Online Interactive Lecture			• • • • • • • • • • • • • • • • • • •
	Торіс	Schedule Meeting	
	Date and Time	Più dak and ine	
	Duration \ Min	30	
	Time Zone	GMT+3 ·	

Button	Function
Торіс	Enter meeting topic
Date and time	To set the start time for upcoming next meeting
Duration\ Min	To set the duration for upcoming meeting with maximum of four hour incremental by 30 minutes each step
Time Zone	The offset of time zone from GMT for the host
Create	To create the meeting

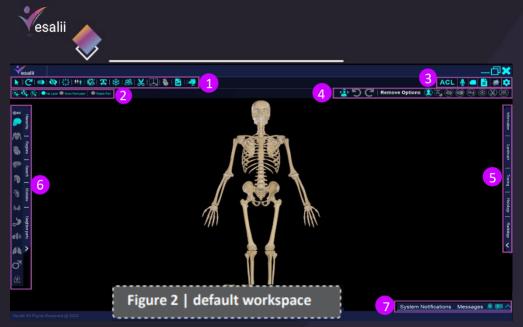


esalii Anatomy	Online Interactive Lect	lure			Schedule Meeting	×
Jpcoming	Previous					
Pick a n	ango					
meetro	2022-12-29 12-12	90 Mn	040504582	000		
					Join Meeting	
					Attendee Name	
					not	

Button	Function
Meeting ID	Enter meeting topic
Start Meeting	Enter meeting topic
🕜 Edit	Enter meeting topic
Delete	Enter meeting topic

	revious		
Pick a range	2022-12-29	17a357aa82	o de la color
Contraction of the second of t	12.12	() with the constant	
			Join Meeting
			Enter Meeting ID
			Join

Button	Function	
Delete	Delete the ended meeting	



Num.	Icon	Name	Function
1		Tools bar:	
1.1		Select	Select a single part/multiple/group to control it
	C	Reset	Reset single part/group to its original location
	▲	Fade	Fade the selected single part/group and see underlying layers
	I	Hide	Make the selected single part/group invisible
	513 1245	Explode	Expand the selected group to its primary segments
	ŤŤŤ	Isolate	Isolate the selected single part/group from the whole body
	8	Drawing	Draw lines in free-hand or directly on the model
	2	Sticker	Add a personalized sticker to any body part
	E de la companya de l	Discover	A lens that shows the visible underlying body layers
	*	Freeze	Make the selected part/group unaffected by Hide and Fade
	羅	Freeze All	Make all parts in the current view unaffected by Hide and Fade
	<u>8</u> 9	Duplicate	Make another copy of the selected part/view
	<u>₿</u>	Cut	Cut tool allow to dissect anybody as a single or multiple parts,
	↓	Transform Body	you can choose to cut up 🔛 or down 📽. Rotate the body in 3 axes
	3	Heart	Play\stop animation of the heart
1	2	Screenshot	Takes and saves a screenshot of your current view
		Screen Record	Play\stop animation of the heart



Num.	Icon	Name	Function
2		Tools option bar:	
2.1		Single selection	Select a single part from the 3D model
	e	Group selection	Select a group of parts from the 3D model
		Multiple selection	Select multiple parts from the 3D model
	No Label	No label	Select multiple parts from the 3D model
	Show Part Label	Show part label	Select multiple parts from the 3D model
	Rotate Part	Rotate part	Select multiple parts from the 3D model
	Type of sel	ection depends on the tool selec	ted (i.e if you select 🔕 only 🔍 🍭 will be active)
2.2	8	Duplicate Front	Place the duplicated single part in front of the original part
	88	Duplicate Beside	Place the duplicate single part on the left of
	8 _A	Duplicate all front	the original part Place the duplicated view in front of the
	泉泉		original view
	Ē	Duplicate all beside	Place the duplicate view on the left of the original view
3		Setting bar:	
3.1	ACL	ACL	The ACL button is only for the user that has created the session (host). It allows control over access permissions of other users.
	G	Access request	The Access Request button is for users who join a session created by someone else. This button allows users to request permission to speak.
3.1.1	Pind a group member 🔍 💥 Apply to All Users 👲 🗪 Aseridee Name 🔶 🕼 🔐	ACL	The ACL feature allows the host to control access permissions of other users.
		Q	Search: Search for a user in the session by name.
			Close: close the ACL window.
			Mute all: Mute sounds coming from all users in the
		(Apply to all users)	session
1		(Apply to all users)	Unmute All: Unmute sounds coming from all users in the session.



Num.	Icon	Name	Function
		(Apply to all users)	Grant partial access to all: Grant partial control to all users, i.e., all users can now freely control their own view of the scene and control the mouse cursor, allowing them access to change application settings.
		(Apply to all users)	Revoke partial access from all: revoke partial control from all users with this permission
			Unmute User: Unmute sound coming from the user microphone. Mute User: Mute sound coming from the user microphone. Grant partial access: Grant user partial access, i.e., the user can now freely control the view of the scene and control the mouse cursor, allowing the user access to change application settings.
		:	Revoke partial access: revoke partial control from a user. Full control: grant user full control over the model. All actions done will be seen by all other users.
]0 (:	Revoke full control: Revoke full control access from a user
3.1.2		Access request	The button allows users to request permission to speak if the user was muted by the host When users are muted by the host, the users cannot unmute themselves because the microphone icon will be disabled In this case, the Access Request con becomes active for the user; pressing the Access Request icon will send a notification to the host that the user is requesting access to speak.
3.2		Access request Notes Syllabus Show planes	Users can mute or unmute themselves through this button To list and manage all of the stickers you've added View available syllabuses Reveal lines for the three planes to be moved on the
		Help center Health Encyclopedia	body View product manuals, FAQs, setup guides, and more Medical Encyclopedia includes articles about diseases, Medicine, diagnostic test, health and beauty, pregnancy, children, birth and childhood, pre pregnancy and marriage life.

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General settings



Scene Setting:

Control the brightness of the model in the scene. Press C to reset brightness to default setting.

Background Color:

Change the color of the scene background. Press C to reset background to default setting



Control background music volume.

Text to speech: 😡

Control text-to-speech volume.

Select language:

Select the language for the application. Language change is application-wide, meaning that it affects all aspects of the application, including menus, bars, panels, and body structure names and description. There are 8 languages available now.

Save path:

Select the desired save path for screenshots and screen recordings taken through the application.

Time zone:

The offset of time zone from GMT for the host

English	
Deutsch	
English	
Türkçe	
español	
français	
português	
العربية	
漢語/汉语	

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ea	alli		
Num.	Icon	Name	Function
		Resolution	Resolution Quality:
		Settings 😑 Exit 🚱	Change resolution quality (Best, High, Med, or low).
		VBost (High (Med (Low) Texture Quality (High (Low)	Texture Quality:
		Ant Alasho VBost CHigh (Mod CLow) Resolution	Change the quality of textures (High or low).
		Fulscreen 1803-900~	Anti-Aliasing:
			Change anti-aliasing option (Best, High, Med, or low). The higher the setting, the smoother the edges of displayed objects in the scene become.
			Resolution:
			- Choose between running the application in full screen or windowed mode.
			- Change the resolution of the application.
		Reset	
		Settings 😑 Ext 🕞	Resets all options to the original
		Resetting to defaulte removes all of your custom settings.	setting.
		YES NO	
		Exit	
			Close the setting window.
		Exit 🕩	



			<u></u>
Num.	Icon	Name	Function
4		Edit & Reset Tool bar:	
4.1	<u> </u>	Navigation button	Show / Hide navigation
	Ċ	Undo	Revert last action
	C	Redo	Reapply last action (only activated after Undo function)
4.1.1	Navigation Ring		
		Zooming	Clicking on € or ○ buttons to zoon in/out of the view
	(⁰	Increase/Decrease camera depth	Use or buttons to increase or decrease camera depth
	K ↓ >	Directional Arrows	Used to move the entire 3D view up, down, left, or right
		Reset Camera	Used to reset the camera view to the original position
		Move	Used to move navigation ring on screen
	×	Close	Used to close current navigation ring
		Clicking on A I re	open the navigation ring
4.2	Remove options		
	2	Reset Body	Reset all parts to the default system
	2	Clear stickers	Remove all stickers
	<u>()</u>	Disable hide	Undo the hiding action
		Disable fade	Undo the fade action
	(it)	Exit isolate	Undo the isolate action
	*	Disable freeze	Disable freeze function on the selected part
		Reset cut	Undo the cut action
	8	Remove duplicate	Delete the duplicated part/view



Num.	Icon	Name	Function
5	Informati	Right side panel	Consists of five main tabs:
	- -		- Information
	andmark		- Landmark
	Tracing		- Tracing
	Histology		- Histology
	iogy R		- Radiology
	adology 🖌		By default, all tabs will be closed, click on 🔇 to expand the tab and see more options.
5.1	Cabvaria and Base of Skull Skull Skull Skull Skeletal System Performation Performat	Information	Contains the name of the selected part in English and Latin, in addition to information about the part. On the top, you can see the hierarchy path for the selected part to understand the anatomical structure of the human body.
5.2	Left Rib II Short All Landmarks Image: Short All	Landmark	Show landmarks and their names on the selected part. Clicking will show more information for the selected landmark. Click to show/hide landmark on the body part, each landmark is identified with a number (for example 1) that can be shown on the selected part as a red circle.

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Num.	Icon	Name	Function
5.3	Open Skiel Part Image: Control Sector Part (Sector Part) Nord Sector Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Sector Part (Sector Part) Open Part (Sector Part) Image: Control Part (Sector Part) Open Part (Sector Part) Image: Control Part (Sector Part) Open Part (Sector Part) Image: Control Part (Sector Part) Open Part (Sector Part) Image: Control Part (Sector Part) Open Part (Sector Part) Image: Control Part (Sector Part) Open Part (Sector Part) Image: Control Part (Sector Part) Open Part (Sector Part) Image: Control Part (Sector Part) Open Part (Sector Part)	Tracing	Allows following the path of a blood vessel or nerve on the 3D model to trace its path from the origin to the related part. • Select one or more systems to trace paths (cardiovascular, nervous, or lymphatic system) to see it on the 3D view. • When clicking on a path, its name will appear in addition to a full description of the path. It will also be highlighted in the 3D view.
5.4	Left Rb J Weight and the second seco	Histology	Browse histology images related to cell and tissue structure with their landmarks. Use image is to browse histology images and find image description for each one. The icon shows more information about the image, including description, tissue category, and tissues. Click on the image to maximize the view and see landmarks on it.
5.5	Left Ris 1 CT MRI XRAY MRI XRAY M	Radiology	View CT/MRI/X-ray images for the selected part in any of the three planes (Axial/Coronal/Sagittal). Use Use Use Use Use Use Use Use



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Num.	Icon	Name	Function	
6	Hearchy Re	Left Side Panel:	 Enables the user to show/hide anatomical structures in the 3D view by clicking on the desired system. 	
	ngon Seach Modes 愛 🖡 🖗 🖗 デ ス		Available systems (skeletal system, muscular system, cardiovascular system, nervous system, lymphatic system, joints system, endocrine system, digestive system, urinary system, respiratory system, reproductive system, skin system).	
	Neightor pa	You car	n press All to activate/disable all systems at once	
	etho 会社 で で		 Consists of five main tabs (Hierarchy, Regions, Search, Modules and Neighbor parts). 	
6.1	Hearchy → Solebal Dytem → Water Count → Water Count → Subset Count → Subset Count → Characterization → Characterizatio	Hierarchy	 Discover the systems and their parts and groups in a hierarchical form provides the ability to list the systems, displaying their relevant groups and parts. Enable/disable body system from the right side to show the hierarchy order for the related system. Deep dive to the next hierarchy level. a show/hide selected part in the 3D view. show/hide advanced parts in the 3D view. 	
6.2	Bask Regions Bask Regions	Regions	View body systems based on region. By clicking on the desired region, you can enable/disable it in the 3D view.	
		Basic	Activated by default for the body.	
		Advanced	Open advanced regions to access advanced body structures, allowing a more detailed view, for example, showing all parts of the nervous system.	
1	Advanced Basic		Default region view is basic view	



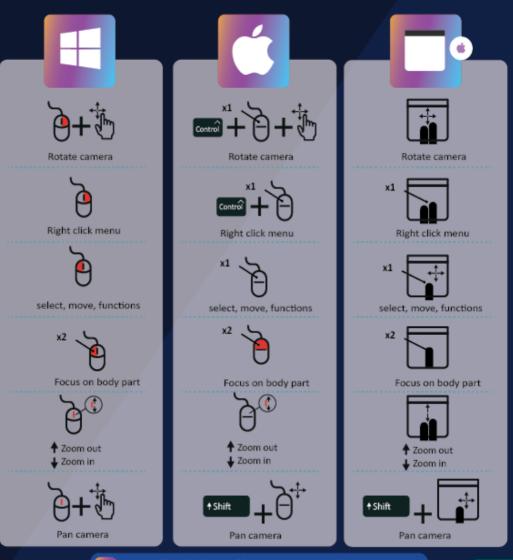
Num.	Icon	Name	Function
6.3	All A and A a	Search	Use group filter to search for a group of structure • use body system filter to search in a specific system • use part filter to search for a single part. • use group filter to search for a group structure In addition you can click on the logo to show/hide the searched part in 3D. This will disable the result in pagination structure 10 per each.
6.4	Ext Module Versit Module Ve	Module Create Module Vesalii Modules User Modules Exit Module Exit Module	View available modules and use a search function by module name. Use filter to search for any module based on system and/or region. Create customized modules where users can add a description to the created module, filter based on systems and/or region for an easier search View pre-created modules from Vesalii View Modules created and customized by the user. Close the module tab and remove the selected module from the scene. Take a snapshot for the module and save it as a module cover photo Delete the created module
6.5	Register pars Balact Part Spiterro Res Res Co Co Co Co Co Co Co Co Co Co	Neighbor parts Select Part	 Reveal the neighboring parts for any selected part from any other system (s). Select a part from the model Select the system (s) for the neighboring parts you wish to reveal Move the slider to reveal the neighboring parts in a radius around the originally selected part



	alli		
Num.	Icon	Name	Function
7			
7.1	System Notifications	System Notifications	This is the notification bar as it appears to the professor. The first notification the professor receives in a session will expand the notification bar into a tab .Pressing the will minimize the tab back into a bar. All subsequent notifications in the session will cause the notification bar to change color to red. Pressing the button on the notification bar will expand it and remove its red color
		2	To see how many notifications you have.
			No ti fications appearing on the notification bar include:
		Attendee Name is leaving the session	A notification that appears to the professor when a student leaves the session.
		Attendee Name is joining the session	A notification that appears to the professor when a student joins the session.
		Attendee Name 🥥 🛞	A notification that appears to the professor when a student requests access.
			Pressing the 🕑 button next to a student's name will unmute the student and enable their microphone button, allowing the student access to unmute and mute themselves freely until the student is muted again by the professor. Pressing the 🛞 button next to a student's name will remove the student from the list without giving them access to speak, i.e., nothing changes and the student's microphone remains muted.
7.2	Messages	Messages	This feature will send a direct message between all together.



Mouse + Mac touchpad Controls



Right-click for macOS users can be activated from: system preferences > mouse > secondary click activation