



"FORSINA" **the biggest medical library in the world**, aims to assist universities, students, healthcare professionals, and even patients in receive quality and accurate medical information, and it provides different tools to easily view, study, and understand human anatomy for male and female using 3D, Virtual Reality, and real CT scan models. We have the biggest medically accurate content written developed by our anatomy experts and doctors, offering more than 1000 histology images, 50000 landmarks, 20000 traceable blood vessel and nerve paths, 500000 CT images and over 5 million medical words.

Forsina Products

Forsina has created software that mainly focus on the anatomy of the human body and histology in addition to radiology and Dicom convertor for the purpose of learning and harnessing the best tools to facilitate and empower the learning and researching process

Our Products

RSINA



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Forsina Anatomy 3D

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

Forsina Anatomy VR

Explore the female and male human body comprehensive structure in an immersive Virtual reality environment covering every anatomical structure with full medical information for each one



Forsina Dicom Converter 3D

Convert your DICOM files into a 3D module to be used in your desktop or mobile, this will allow you to explore your DICOM images in 3D environment

Forsina Dicom Converter VR

Convert your DICOM files into a Virtual Reality module to be used using your VR tool kit, this will allow you to explore your DICOM images in one of a kind experience you have never had before



Forsina Radiology 3D

Learn and understand how to read CT medical images, control the body density and frontal planes (axial. Sagittal, coronal) in a stunning 3D module created from over 120000 CT images for your studies

Forsina Radiology VR

Learn and understand how to read CT medical images, control the body density and frontal planes (axial. Sagittal, coronal) in an immersive VR module created from over 1 Million CT images for your studies

🔁 Quick Guide



Button

Function

Male	Launch the application with male 3D model in VR environment as single user
Female	Launch the application with female 3D model in VR environment as single user

Customize your name and avatar by:

* Enter your name in the text

Name & Avatar Selection

Player No 5462 Select User Avatar Color

* Change your avatar color to be identified when entering LAN workshop

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Button

Create Session

Join Session

Back

Quit

Connect to VPN

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Accept

Function

Create a session to get other users involved.

After choosing this option, insert the following:

- ▶ Name of the session in the text field
- Select 3D body gender (Male or Female)
- Select accept by pointing at it with the laser using controller 1 and pressing A (trigger) to launch the application and start the session

Join a session over a VPN connection

- ► Enter the IP address of the server.
- ▶ Press Accept to join the session.
- Press back to go to the main menu

Close the application

The server can grant access to clients or revoke it by pointing to the avatar and pressing the trackpad button (thumb-stick). The server can also mute all sounds coming for a client's microphone.







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Button		Function			
Main Menu Brin		Bring	the user back to the main menu		
(F		(Figu	(Figure 1 Start Screen)		
Options		Displa	ay a set of options to set graphic details & resolution		
Tutorials Acce		Acces	ss video tutorials that fully explain how to use		
		Forsir	Forsina 3D Anatomy (Not available)		
Web Browse Surf		Surf t	the internet within the application		
Leave Forsina		Exit Forsina Anatomy VR			
Icon	Name		Function		
, ∎ t	Scale down		Reduce the size of the cube by 10% for each click		
	Undo		Revert last action		
Reset All	Reset All		Reset single part/group/multiple to its original location		
Clear Labels	Clear Labels		Remove all body part labels		
REDO	Redo		Reapply last action (only activated after Undo function)		
, př	Scale up		Used to enlarge the cube by 10% for each click		
			will revert the last action as it was taken a group it will revert all the group back)		
	(ii you		group it will revert all the group backy		



Rotation k

Select

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Explode

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~ Drawing

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Reset Hide

Selection Mode

Tools

Ø Hide

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Reset

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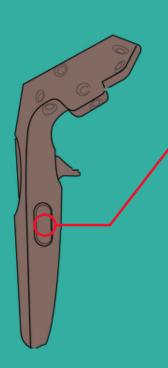
Reset Isolate

Rotation Tools	Viewing Settings				
Backward Toward	⊖ 100% €	Num.	Icon	Name	Function
		1		Transform Panel	By using the tools and buttons on this Panel you can move the body in the 3D scene
💠 < 🖻	Surgery Room		- <u>-</u>		ol the body by clicking at any arrow in gizmo
Move body into the front (Z axis)	Move the body to back (Z axis)	2	¢	Show Visual Gizmo	Showing visual (X,Y,Z) axes arrows on the body
Move the body up (Y axis)	Move the body down (Y axis)	3	Supery		The default VR room where application starts
-					ery room by clicking on it, you ckground color using ()
Move the body to the left (X axis)	Move the body to (X axis)	4	61	Real View	Allow you to see the human body in the actual room you are in
Zoom in to the body	Zoom out of the body		This will turn or	n the VR headse	et camera, so modules might not have this feature

e underneath layer
see underneath layer
segments
nel for the selected part
ion of it by showing label
whole body in VR view
position by clicking on it
l functions
/ view
directly on the model
e desires



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um.	Icon	Name	Function
2.1	Screenshot	Screenshot	Takes a screenshot for your current view
		(Use Grip button	on the controller as a quick snapshot shortcut)
	Nusic	Music	Play/stop background music
	Eye Tracker	Eye Tracker	Displays a black dot that represents the spot where the user is looking
3	Reset Hide	Reset hide	Undo the hiding action
	e Reset Isolate	Reset isolate	Reset all isolated parts to its orignal
	Reset Fade	Reset fade	Undo the fade action
	Reset Expolade	Reset Exploade	Undo the exploade action
	Disable Freez	Disable Freeze	Disable freeze function on the selected part
4	Single	Single selection	Allows select/Hide/fade/isolate a single part of the human body
	() Group	Group selection	Allows select/Hide/fade/isolate a group of the human body
	(8) Multiple	Multiple selection	Allows select/Hide/fade/isolate a multi parts of the human body
5	Sy#abus	Syllabus	Manage/edit your syllabus (comming soon)

Rotation Tools Viewing Settings	Num.	Icon	Name	Function
Basic Regions Body Systems R L Skeleton Muscles Nerves Cardio.v. Joints Lymphatic Back Back Digestive Respiratory Urinary Advance Basic	1	Basic Regions R L Back Back Advance Basic	Regions component Advance	A small sample of a dotted human body is displayed in order to turn on/off the dots to show/hide the human body regions in VR Open advanced region to activate advance body structure view in more deatils, for example (show all nerve system, blood vessels)
Hierarchy Landmarks Tracing	2	Body Systems Skeleton Muscles Nerves Cardio.v. Joints Lymphatic Digestive Reproductive Skin Endocrine	Body Systems component	Enables you to hide/show the human body systems in VR (Skeletal system, Muscular system, Cardiovascular system, Nervous system, Lymphatic system, Joints system, Endocrine system, Digestive system, Urinary system, Respiratory system, Reproductive system, Integumentary system)
 Sprinna Homody Homody Homody Homody Sprinn Sprinn Sprinn Sprinn Resprint Resprint Sprinn Resprint Cardowards Sprinn Resprint Unaway Sprinn Resprint Sprinn Resprint Sprinn Resprint Resprint Resprint Sprinn Resprint Resprin	3	Hierarchy	Hierarchy	Display the Hierarchy panel that allows the user to discover the systems and their parts and groups in a hierarchical list Allows to expand the hierarchial list Show/hide the part in VR



* 20 ×	Num. Icon	Name	Function
D Texts ■ Parts ■ Internation Image: Solution of the solu	4	Search	Search button is used to search for a specific part
A Second Processing Control of Control			or group or landmark
• •	Search		Filter search results (by Part/Group or System)
	5	Modules	Display the Modules panel which shows all
			available modules
₹ 12 15 × ≡ Mmu \$2 Models (There © Models (There		Create Module	ability to edit/create new module to be customized
		Forsina Modules	View pre-created modules from Forsina
Create Model	Modules	Users Modules	View Modules created and customized by the user
			Take a snapshot of the current view and save it as
			a module
		Û	Delete the created module
Kons Katelogy O in termination Constrain	6	Radiology	View CT/MRI/X-ray images for the selected part
The streme lies in the medication is a streme lies of the medication is a streme lies of the medication is a streme lies with the medication is a streme lies with the medication is a streme lies with the block of the streme lies and the streme lies are streme lies and the streme lies are streme lies a	Radiology		
Create All	×	Close	Close the current window
The relationship between the second of the s		Scale up	Increase the size of the window by %10
		Scale down	Decrease the size of the window by %10
		Pin	Pin down the current view on the wall
	ст	СТ	Browse CT images for the selected part
	MRI	MRI	Browse MRI images for the selected part
	XRAY	XRAY	Browse X-Ray images for the selected part
		Axial plane	Use to view the image in Axial plane
		Coronal plane	Use to view the image in Coronal plane
	ayatal	Sagittal plane	Use to view the image in Sagittal plane
	<	Medical image	Red dot shows the selected point as a landmark
		landmark	on the CT/MRI/Xray image
			al images will remain visibile in a dynamic manner all the slides that show the organ or structure
		Navigation	Use the < 🕨 to move between slices
		arrows	



