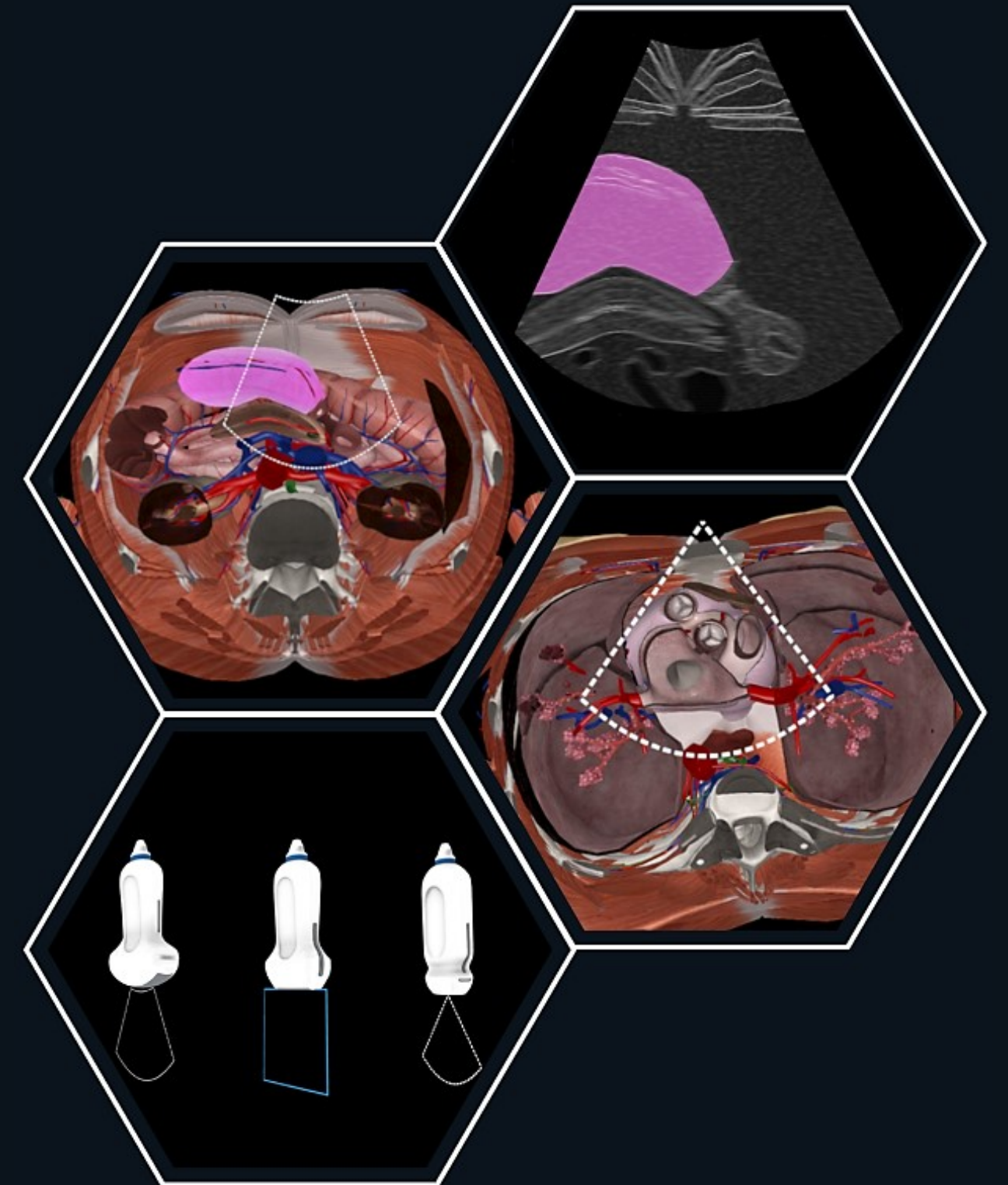


# 3D Organon XR User Manual      **Ultrasound** for Standalone & PC VR Headsets

**Available for:**

**Standalone VR headset:** Meta Quest 2 | Meta Quest 3/3s | Meta Quest Pro | Pico Neo 3 Pro | Pico 4E | Pico 4 Ultra E | HTC Vive Focus 3 | HTC XR Elite | Apple Vision Pro

**PC VR Headsets:** HTC Vive Pro/Pro 2/Pro Eye | HTC Vive Cosmos and Windows MR headsets



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## 1 Requirements

- For Hardware Requirements & Installation Instructions

PC VR headsets: click [here](#)

Standalone VR headsets: click [here](#)

- To log in, you must have an active **Subscription** which is provided to you with a License Key.

If you already have a Subscription then:

- ☐ Activate your 3D Organon account from the **Welcome to 3D Organon** email you received.
- ☐ Get your License key from the **Order confirmation | 3D Organon License key(s)** email you received.

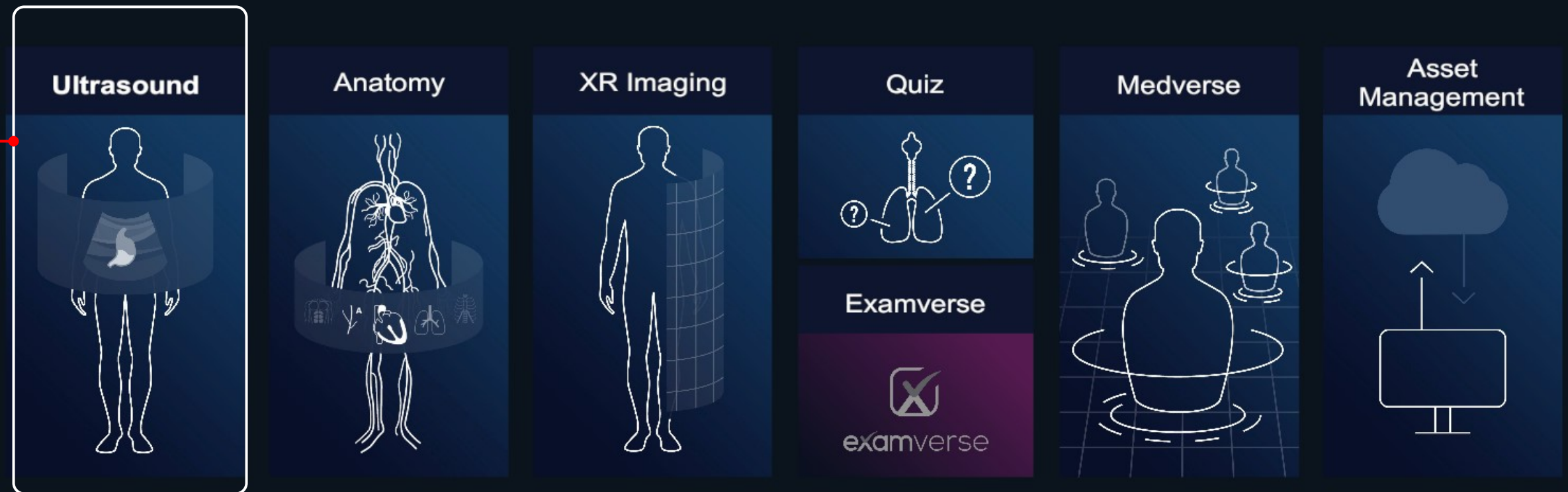
If you do not have a Subscription:

- ☐ Contact our Customer Development Team at [prosupport@3dorganon.com](mailto:prosupport@3dorganon.com)

## 2 The Lobby features

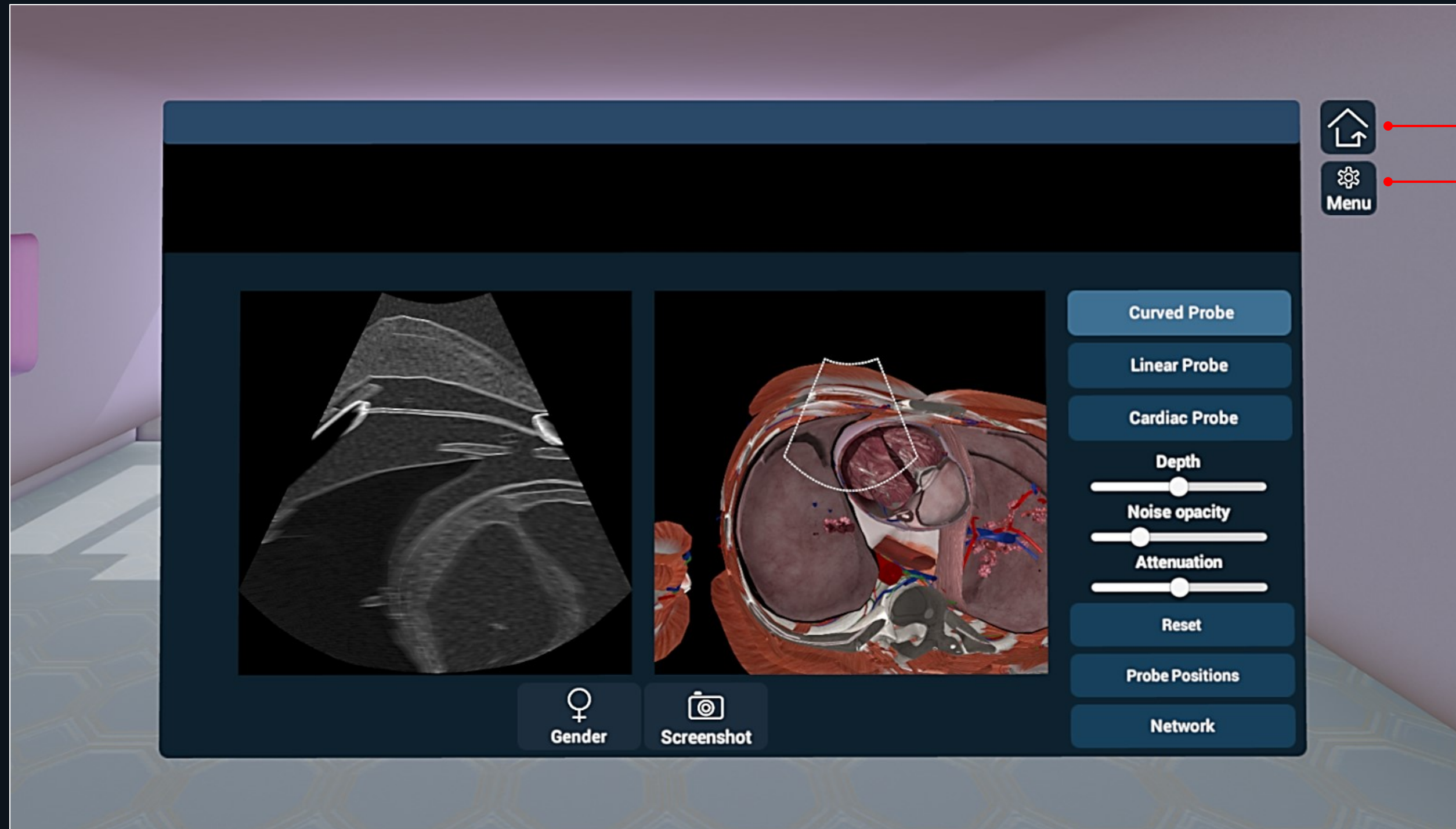
Select from the following modules:

- Ultrasound





## 3 How to exit the Ultrasound module



Click here to go  
back to the Lobby

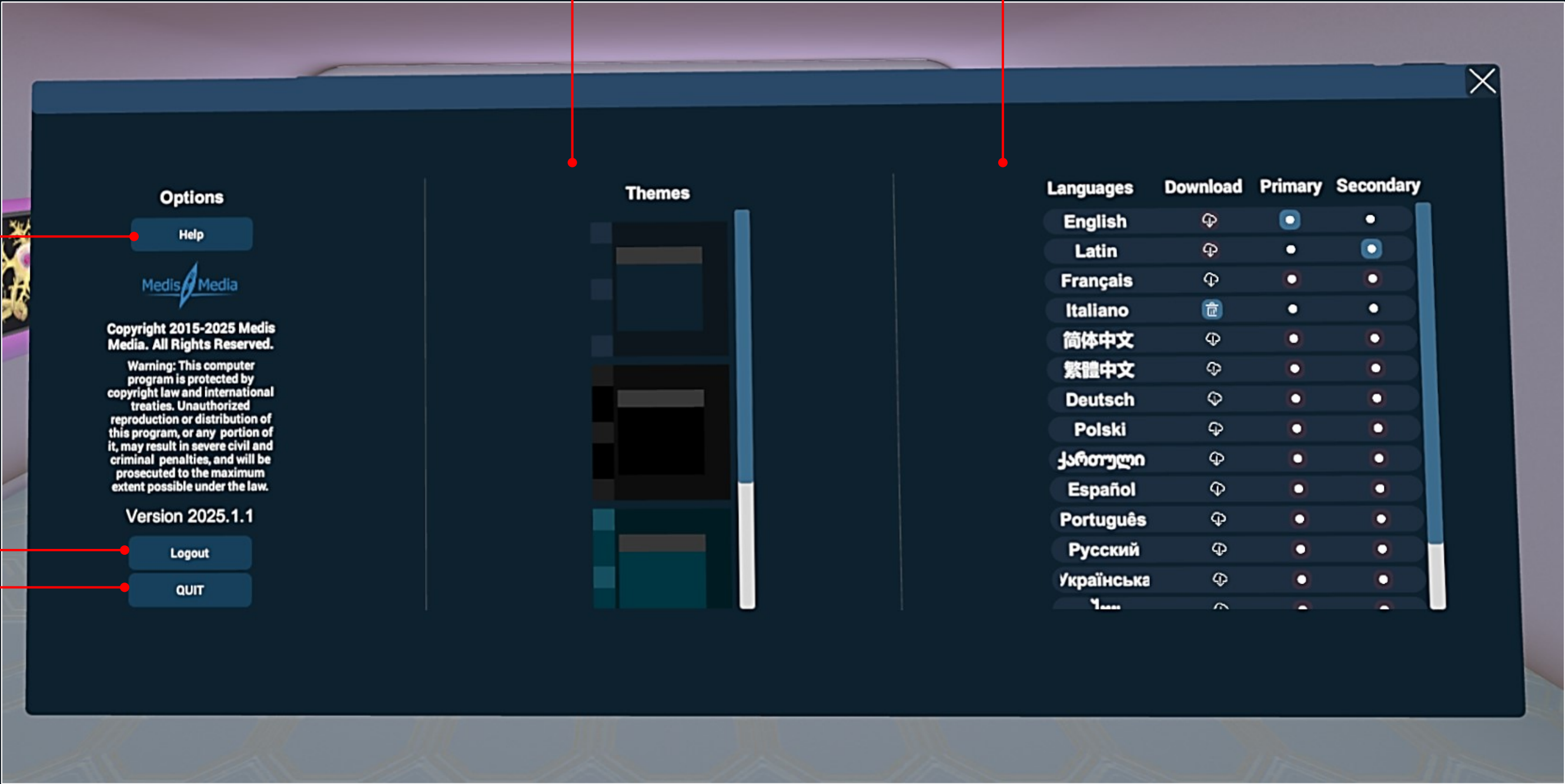
Settings

4 Settings

**Options**  
You can also access our user manuals and FAQs for more information by clicking on the 'Help' button.

**Logout**  
Press the 'Logout' button to shut down the app and remove your access credentials from autologin (recommended for public computers and libraries to avoid credentials from being stored in the device).

**Quit**  
Press the 'Quit' button to turn off the app (your credentials are stored locally. You do not have to insert them again when you log in the same device). Internet access at login is still required.



Themes Blue (default), Black, Green, White

Users can download additional languages.

Italiano



Once a language has been downloaded, you can uninstall it by clicking on the Bin icon.

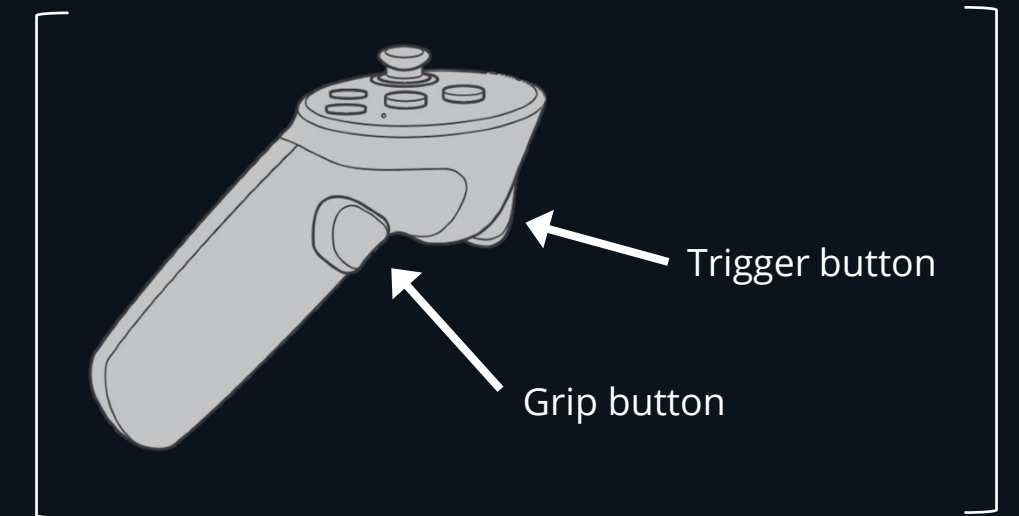
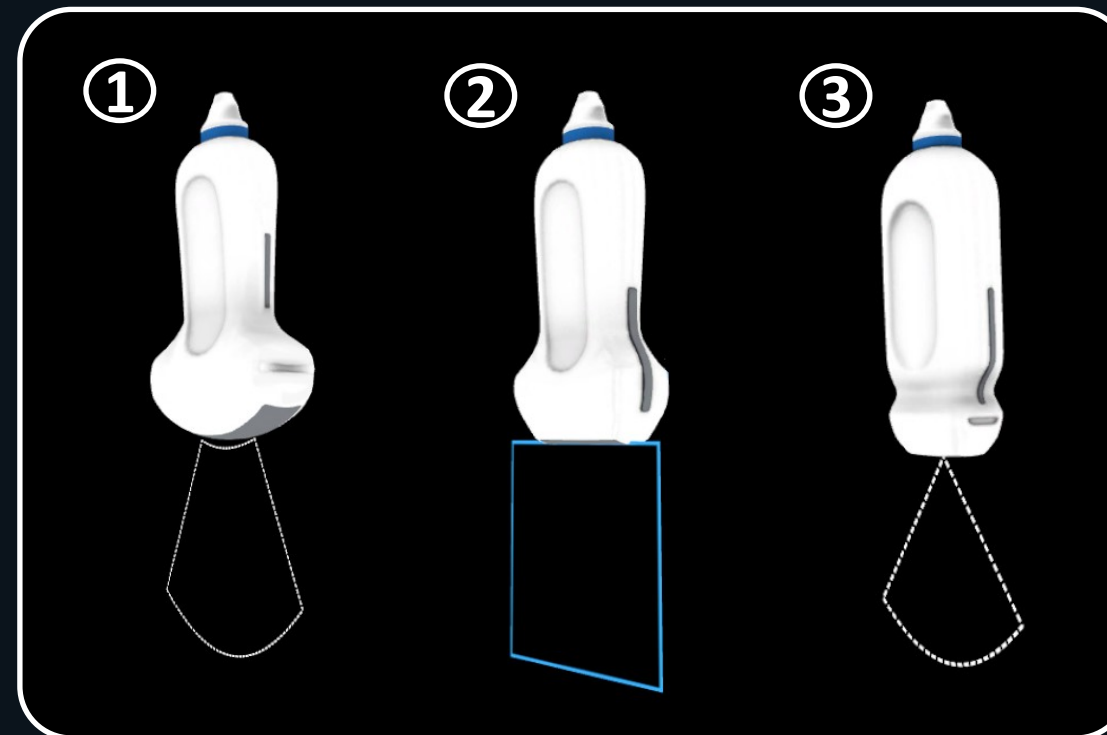
## 5 Ultrasound Probes

- Use the **Trigger button** to press virtual buttons and move scrollbars. It is also used for Labelling and Color Mapping.

The **Grip button** is used to grab and move the Probe.

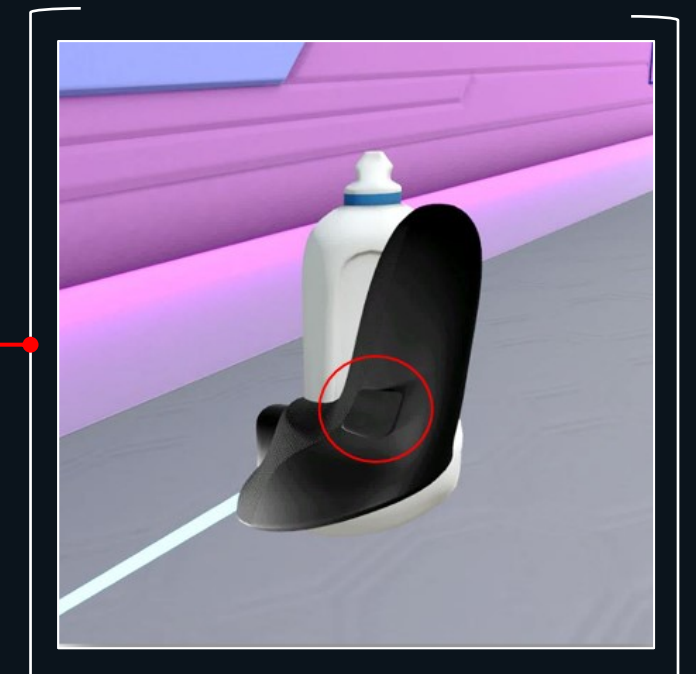
- There are three different Probes available:

1. Curved
2. Linear
3. Cardiac



## 6 How to use the Ultrasound Probe

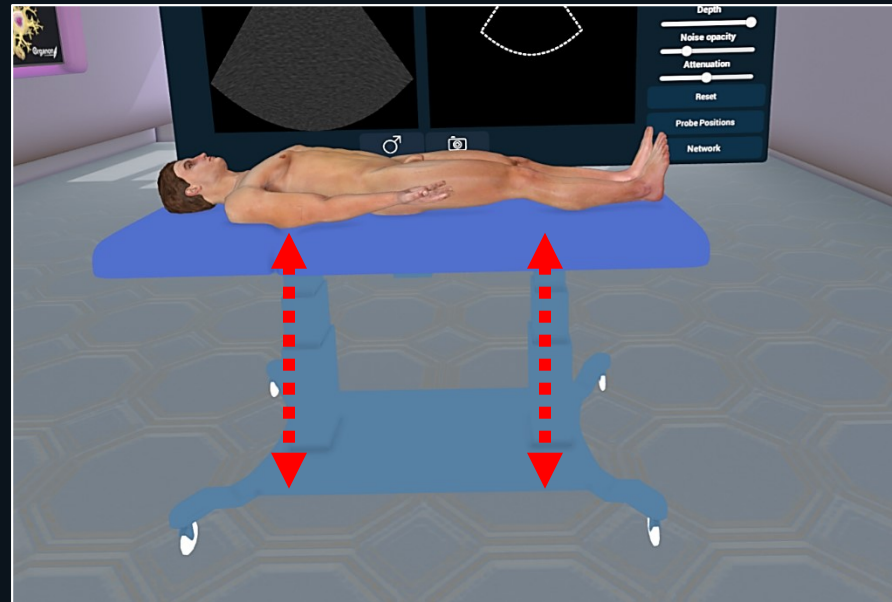
- Turn your controller facing downwards, click and hold the **Grip button** to simulate the way the probe is held and moved in real life.





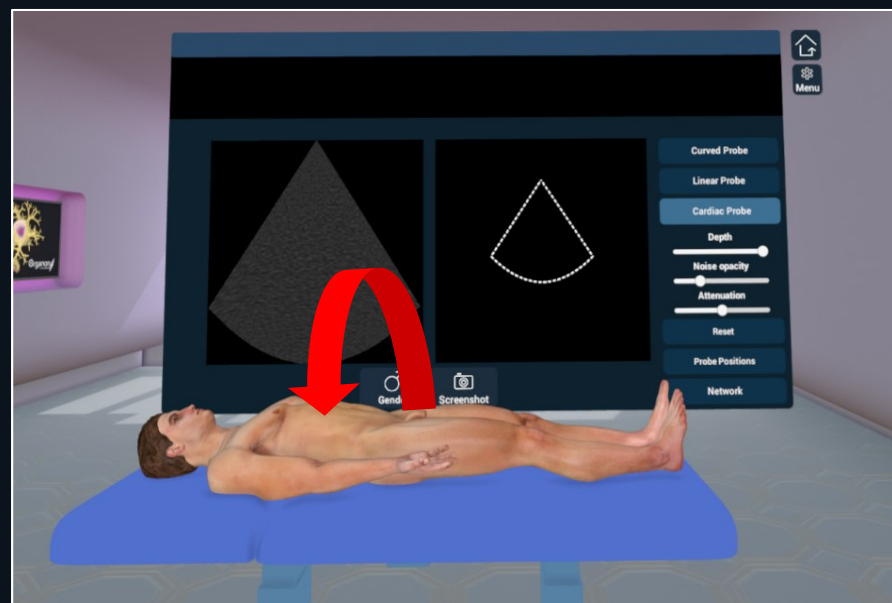
## 7 Adjusting the bed height

- To adjust the bed height, press the top or bottom side of the touchpad or thumbstick of the left controller.



## 8 Adjusting the Model Position

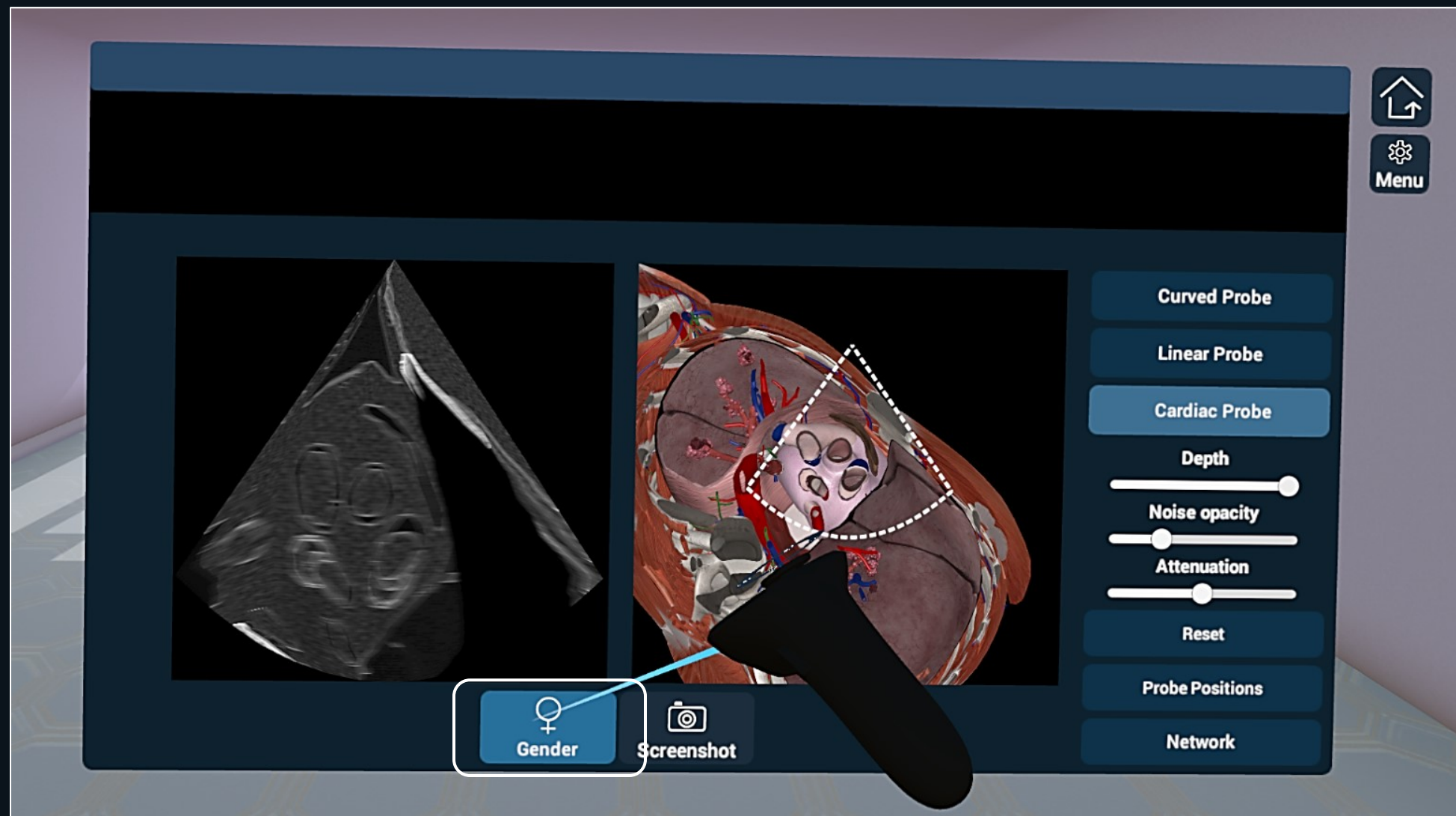
- To adjust the scanning position (Sagittal and Coronal), press the top or bottom side of the touchpad or thumbstick of the right controller.





## 9 Gender Selection

- By pressing the 'Gender' icon with the trigger button, you can switch between male and female models.



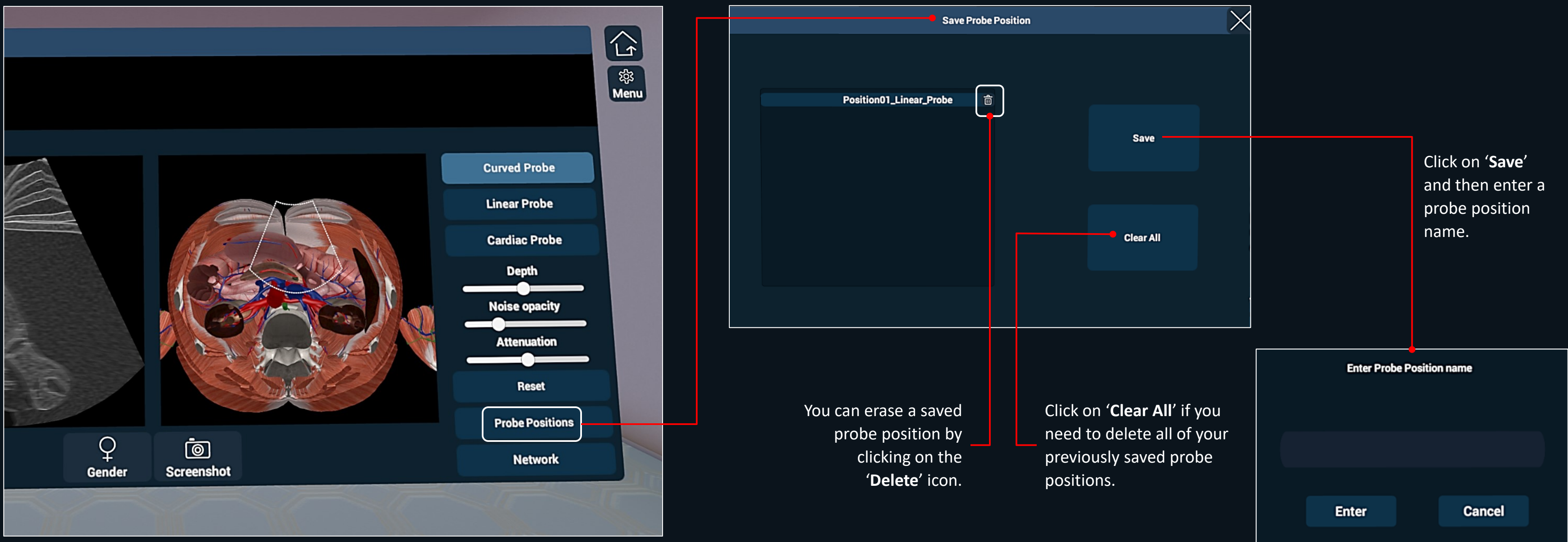
## 10 Ultrasound Settings

- Slide the scrollbar left or right with the trigger button, to change the Depth, Noise Opacity and Attenuation settings.
- Click on 'Reset' to bring them back to the default settings.



## 11 Saving your Probe positions

- By pressing the **Probe Positions** icon with the trigger button, you can save your probe positions so that you can easily find it when you re-enter the ultrasound module.



The screenshot shows the 3D Organon interface. On the left, there's a 3D model of a human head with a probe positioned on the forehead. On the right, there's a menu with options: Curved Probe, Linear Probe, Cardiac Probe, Depth, Noise opacity, Attenuation, Reset, Probe Positions (highlighted with a red box), and Network. A red line connects the 'Probe Positions' button to the 'Save Probe Position' dialog box.

The 'Save Probe Position' dialog box has a title bar with a close button. Inside, there's a list of saved positions: 'Position01\_Linear\_Probe' with a delete icon (trash can) next to it. Below the list are two buttons: 'Save' and 'Clear All'. A red line connects the 'Save' button to a text box that says 'Click on 'Save' and then enter a probe position name.' Another red line connects the 'Clear All' button to a text box that says 'Click on 'Clear All' if you need to delete all of your previously saved probe positions.'

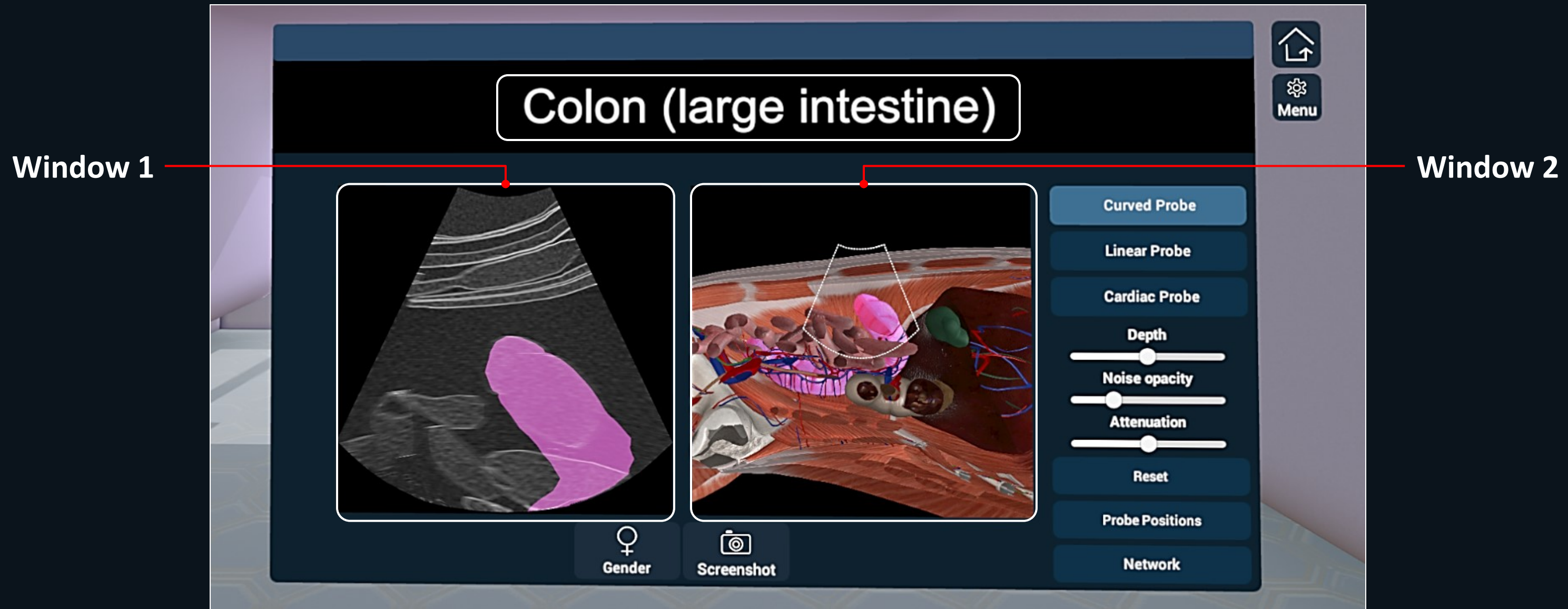
Below the 'Save Probe Position' dialog box, there's a text box that says 'Enter Probe Position name' with an input field and 'Enter' and 'Cancel' buttons. A red line connects the 'Enter' button to the 'Save' button in the 'Save Probe Position' dialog box.

Below the 'Save Probe Position' dialog box, there's a text box that says 'You can erase a saved probe position by clicking on the 'Delete' icon.'



## 12 Labelling and Color Mapping

- Select and Color Map an organ or structure in the 3D Model (Window 2) to view the corresponding color mapped organ in the Sonogram (Window 1), and vice versa.
- The name of the Organ is displayed in the title window at the top. For example, the image below depicts the Colon (large intestine).





## 13 Drawing Tool

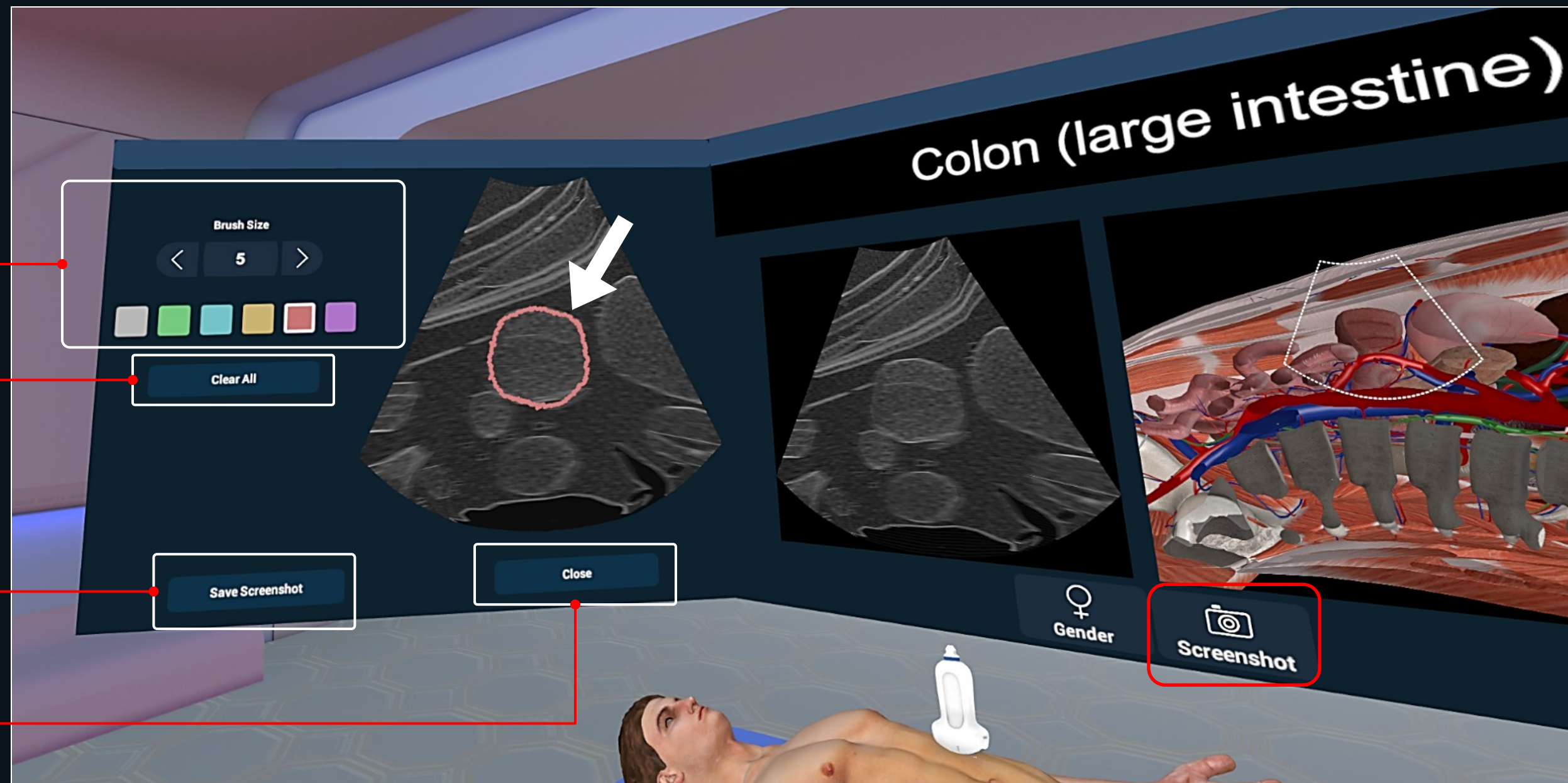
- Click on the 'Screenshot' icon to make the window appear.
- Select a color from the color palette and choose the size of your brush to begin drawing.

It is possible to adjust the thickness and color of the line.

Clear everything by clicking 'Clear All'.

PC VR: To take a screenshot, click the 'Save Screenshot' icon. Then, navigate to the Pictures folder in File Explorer on your PC to locate it.

Close the window



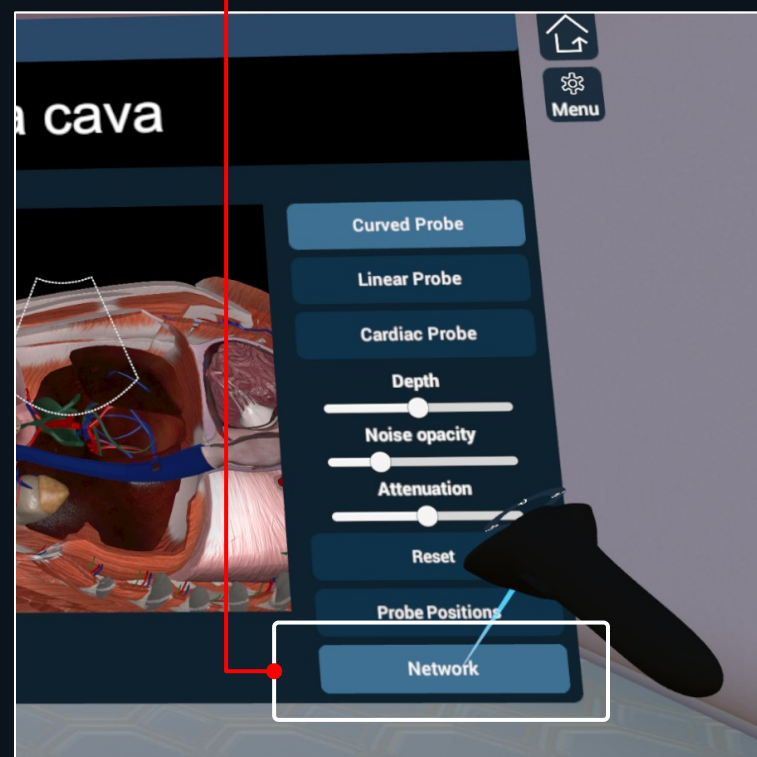
# Remote Delivery / Medverse

## 14 Join a session

- Owners of 3D Organon apps can join a multi-user training session, deployed by an owner of a Premium license or Institution. You can also join a multi-user session in Guest mode.

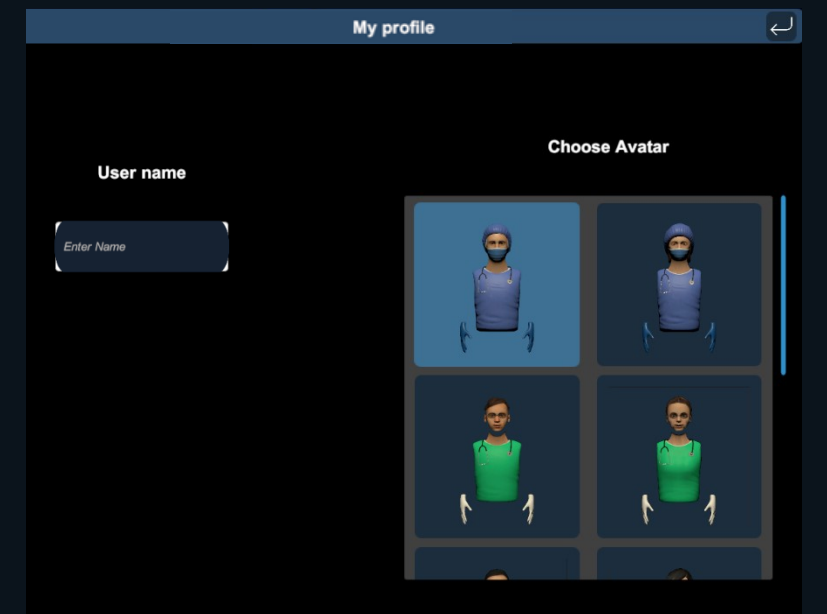
Click on the **'Network'** icon.

Select from the list of the available rooms and press **'JOIN'**.  
You can follow the session as presented by the tutor and communicate using text chat functions.



Network Rooms				
Room name	Host name	Module	Clients	Access
Medis	James	Anatomy	1/11	<div>Enter</div> <div>JOIN</div>

Click on the **'Profile'** icon if you want to change your Username and Avatar.



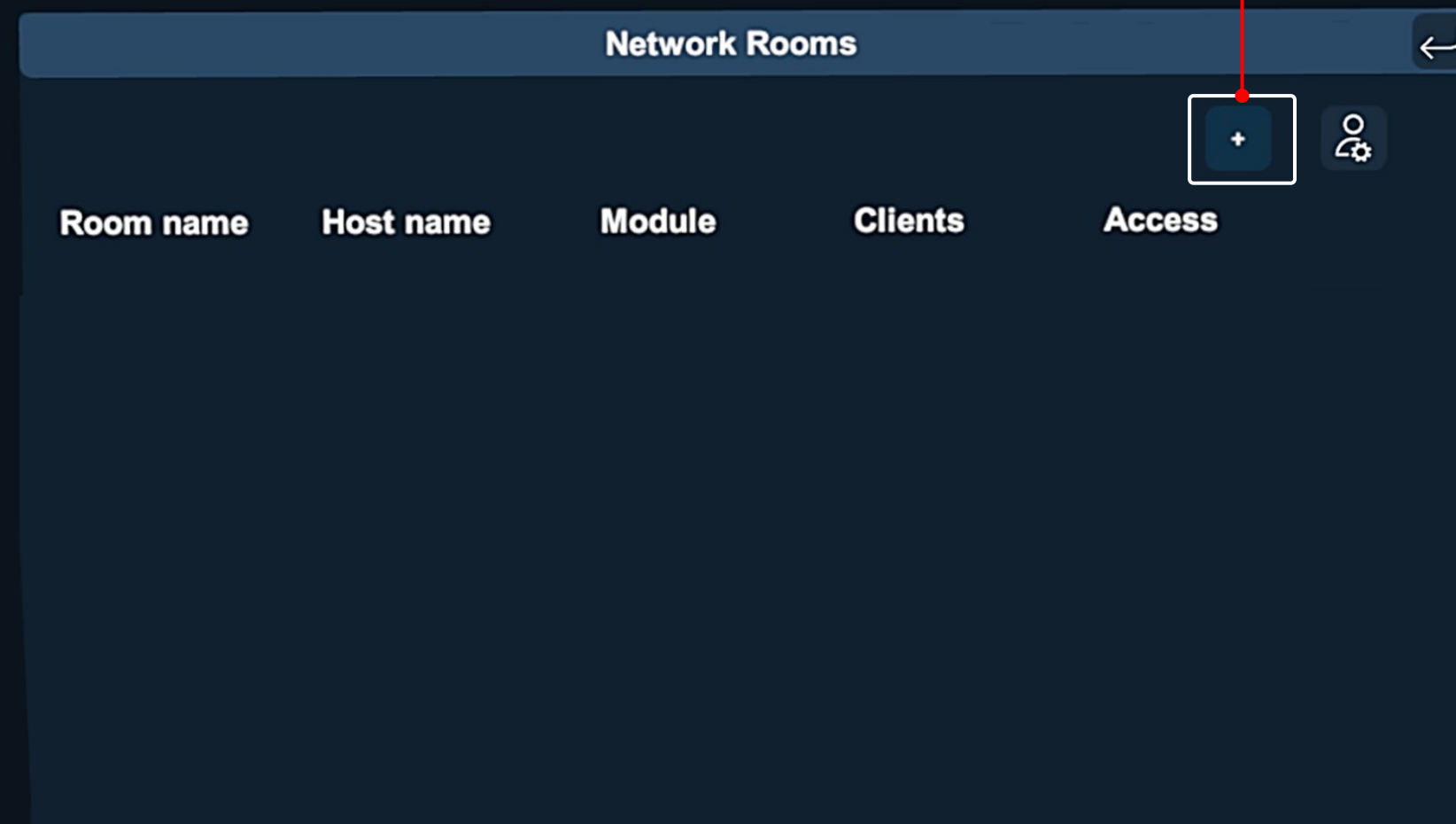
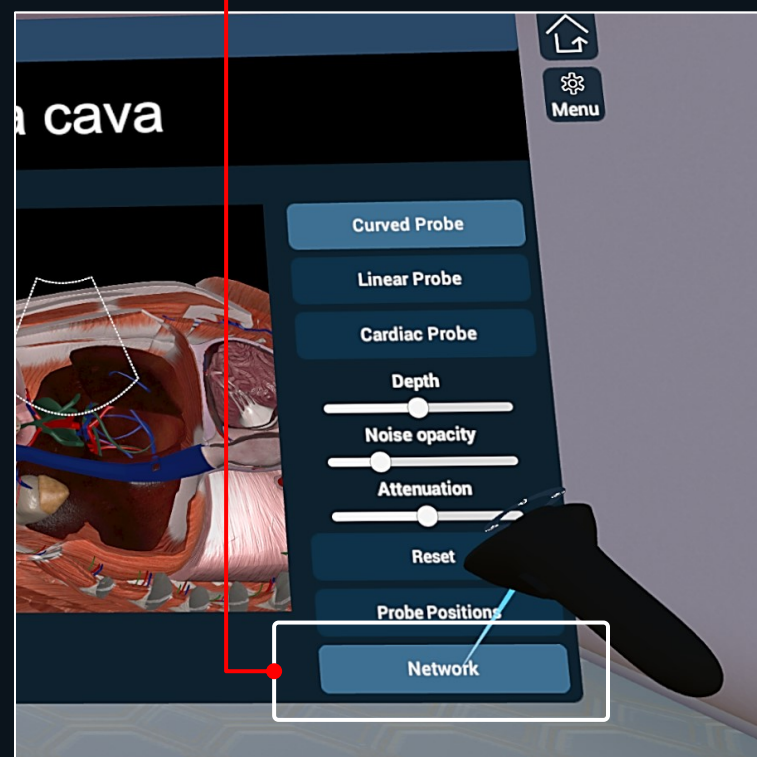
If a password is required to join a particular room, please contact your institution/instructor.

## 15 Create a session

- Owners of the **Premium edition** are also able to create virtual rooms and host remote delivery training sessions. Other users with access to the internet can join a session from anywhere in the world.

Click on the 'Network' icon.

Then, to create a room, click on the '+' button.



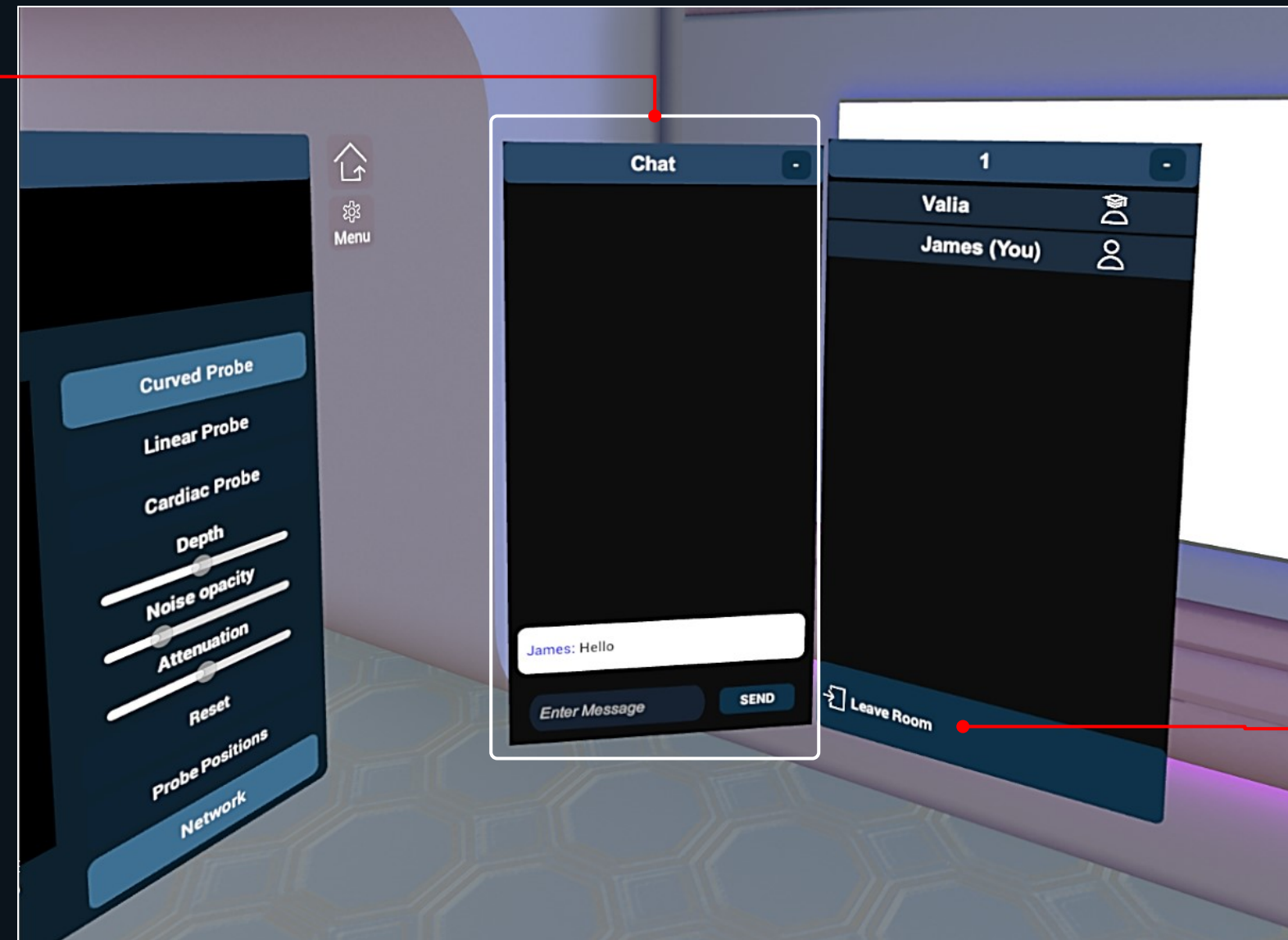
Enter the desired Room name, number of supported Clients, room visibility (Private/Public), and an optional Password. Press the 'CREATE SESSION' button to initiate your session.

A screenshot of the 'Create Room' form. At the top, there is a header bar with the text 'Create Room' and a back arrow icon. Below the header, there are four input fields: 'Room name' with a placeholder 'Type Room name', 'Clients' with a value of '10', 'Private' with a 'Priva' button, and 'Password' with a placeholder 'Enter password'. At the bottom of the form, there is a 'CREATE SESSION' button with a globe icon.



## 16 Inside the virtual room

Users can type messages and ask questions in the chat room.



To exit the room and return to the Lobby, press the 'Leave Room' button.





## 17 Network Services Documentation

By default, the multi-user function in 3D Organon Anatomy uses three essential services. These services include 3D models, voice chat, and text chat synchronization across users and educators in a virtual anatomy training session.

Ensure you allow the following ports and protocols for full access to 3D Organon networking services:

**TCP:** 843, 943, 4520, 4530-4532, 4540, 9090-9092

**UDP:** 5055-5058

Please ensure you allow traffic to and from the following domains:

**license.3dorganon.com**

**def.3dorganon.com**

**download.3dorganon.com**

Chinese clients need to white-list the following domain on their local network:

**license-cn.3dorganon.com**

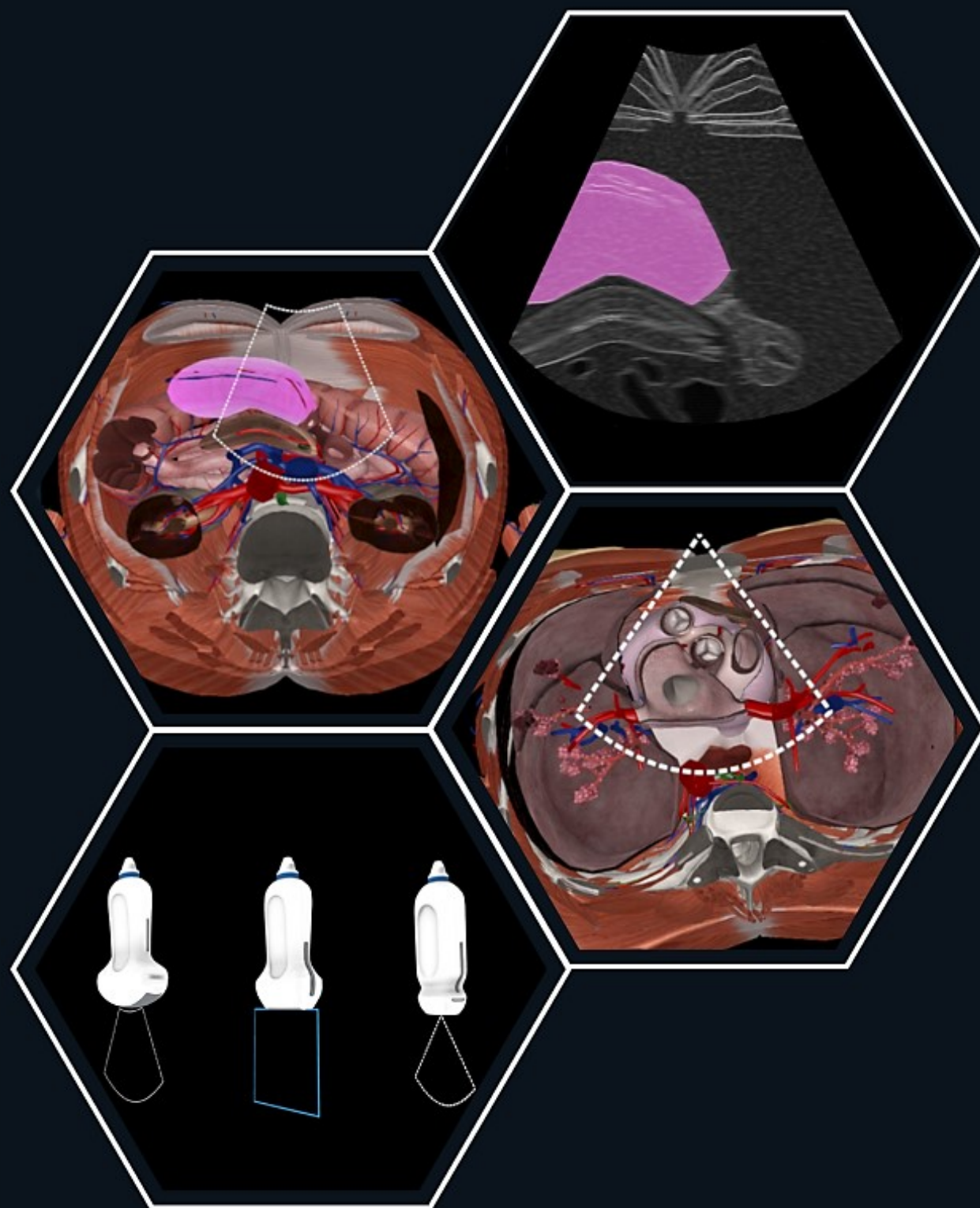
For Meta headset users, please also check the following:

**Ports:** **443 (TCP):** This is a common port for secure HTTPS connections. **3478 (TCP):** This port is used for communication within the Oculus ecosystem.

**50000-59999 (UDP):** This range is used for data transfer and may be necessary for Air Link. **Domains** (oculus.com, facebook.com, meta.com, fbcdn.net, akamaihd.net): These domains are part of the Oculus/Meta network and may need to be whitelisted by your firewall or network administrator.

Please ensure these ports are open in your router/firewall AND the firewall in your operating system (e.g., Windows firewall).

In case you are experiencing problems with either of these services, please contact the IT helpdesk in your institution. They will know your network infrastructure requirements and have access to modify firewall settings.



For any questions or feedback, please contact our Local Distributor  
or reach us at: [support@3dorganon.com](mailto:support@3dorganon.com)

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Check out our [Knowledge Base](#) for more information about 3D Organon, at any time!

