



ASFAN

User Manual

Human Anatomy 3D

Desktop, interactive display and virtual reality edition

An interactive educational program covering the whole human body in 3D, on computers, interactive displays and virtual-reality headsets

Version 6.0

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Support & subscriptions

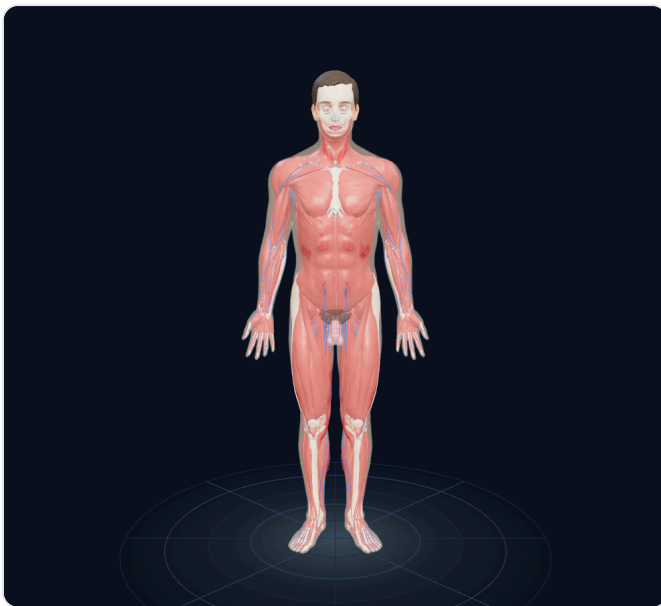
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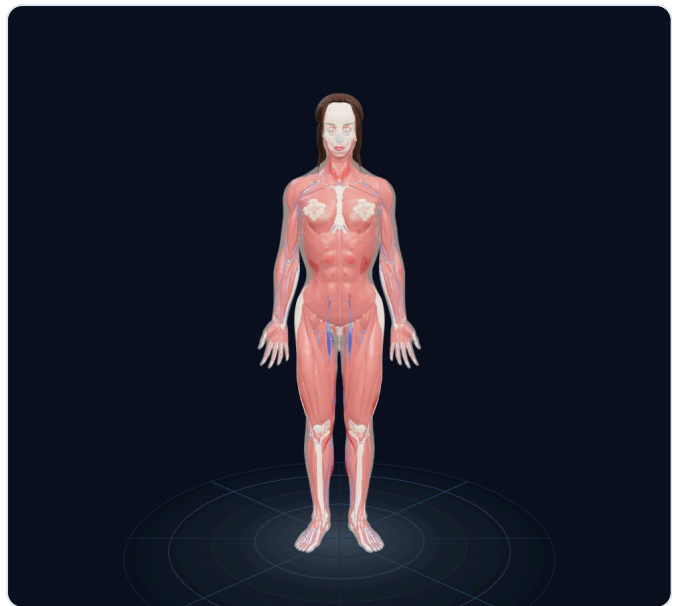
ASFAN
Amman – Jordan

Welcome to Human Anatomy 3D by ASFAN. The program shows the complete human body – male and female – with more than 2,200 real anatomical structures in 12 body systems, with names and descriptions in Arabic and English and recorded Arabic pronunciation.

- Free exploration with a mouse, touch or a VR headset.
- Cross-sections, X-ray mode, exploded view, and heartbeat, breathing and blood-flow simulations.
- A learning centre with guided lessons, quizzes, exams with PDF certificates and progress tracking.
- Teacher mode to build your own lessons and present them in class.
- Works offline and updates itself automatically when online.



The complete male body



The complete female body

2 System requirements

Item	Minimum	Recommended
Operating system	Windows 10 (64-bit)	Windows 11 (64-bit)
Memory	8 GB	16 GB
Graphics	DirectX 11 capable	NVIDIA GTX 1070 / RTX 2060 or better (for VR)
Disk space	2 GB	4 GB
Virtual reality (optional)	Meta Quest 2 / 3 / Pro with Link cable or Air Link	Quest 3 with a high-speed USB-C cable

Tip: Interactive (touch) displays are fully supported: one finger rotates, two fingers zoom and pan.

3 Installation

1. Double-click HumanAnatomy3D-VR-Setup.exe.
2. If the blue “Windows protected your PC” message appears, click More info, then Run anyway.
3. Accept the end-user licence agreement and click Next until the installation finishes.
4. A Human Anatomy 3D shortcut appears on the desktop and in the Start menu.

To uninstall: Settings → Apps → Human Anatomy 3D → Uninstall.

4 First start & licensing

Trial period

The first start begins a free 5-day trial with every feature. The orange button at the top shows “Trial · days left”.

Ordering a subscription

1. Click the orange licence button at the top.
2. Copy the “Machine ID” with the Copy button – or press WhatsApp to send it directly.
3. Send the ID to ASFAN with the plan you want (monthly, yearly, or an institution licence for several computers).
4. You receive a licence key starting with HA3D1- or a .lic file.

Activating

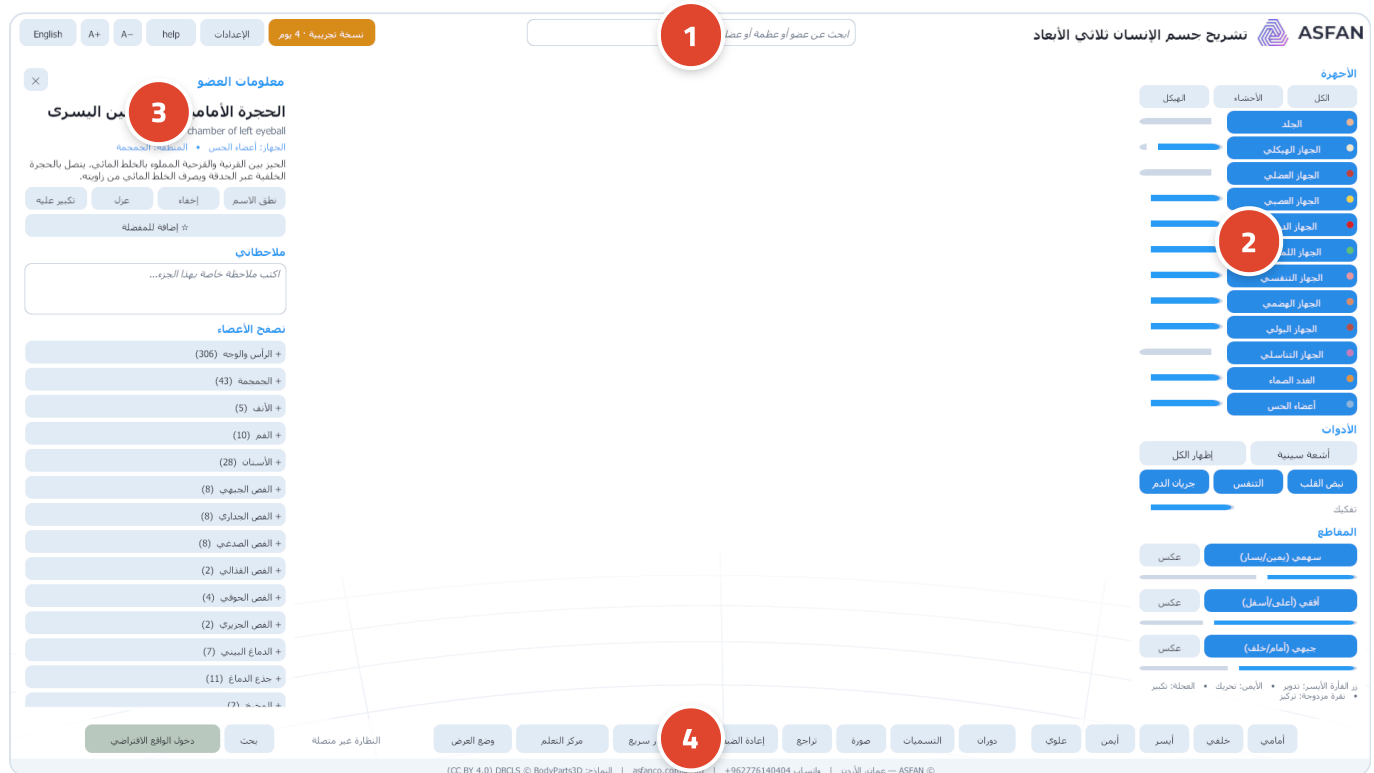
- Easiest: copy the key, then click "Paste key & activate" in the licence window.
- Or paste the key into the field (Ctrl+V) and click "Activate license".
- Or click "Load .lic file" and choose the file you received.

Once activated the window shows "Subscription active ✓" with the licensee, expiry date and days left. The licence is checked offline.

Important: A key is bound to the computer whose ID was sent. If you change computers, contact us for a new key.

5 The interface

When the program opens, choose the male or female body (you can switch at any time).



The interface – light theme with a structure chosen from "Browse structures" (Arabic interface)

Area	Contents
1 Top bar	Logo, search for any structure, licence, settings, help, text size A+ / A–, language
2 Tools panel	Body (male/female), the 12 systems with an opacity slider each, tools (X-ray, show all, heartbeat, breathing, blood flow, explode) and the three section planes
3 Information panel	Name of the selected structure in Arabic and English, system and region, description, pronounce, hide, isolate, focus, favourites, your notes, and a browser of all structures by region
4 Bottom toolbar	Views (front, back, left, right, top), rotate, labels, screenshot, undo, reset, quick quiz, learning centre, presentation mode, virtual reality

Action	Mouse	Touch
Rotate 360°	Left-drag	One-finger drag
Pan	Right-drag	Two-finger drag
Zoom	Mouse wheel	Pinch
Select a structure	Click	Tap
Focus on a structure	Double-click	Double tap
Hide a structure	Alt + click	—

Keyboard shortcuts

Key	Function
1 – 5	Preset views
R	Reset
A	Show all
X	X-ray
L	Labels
C / B / N	Section / heartbeat / breathing
Delete or H	Hide the selected structure
I / F / S	Isolate / focus / speak
Ctrl+F / Ctrl+Z	Search / undo
Q / T / P	Quick quiz / learning centre / screenshot
F11	Full screen
Esc	Clear the selection

Systems and opacity

Click a system name to show or hide it, and use the slider next to it to change its opacity. "All / Organs / Skeleton" give ready-made views.

Selecting and focusing

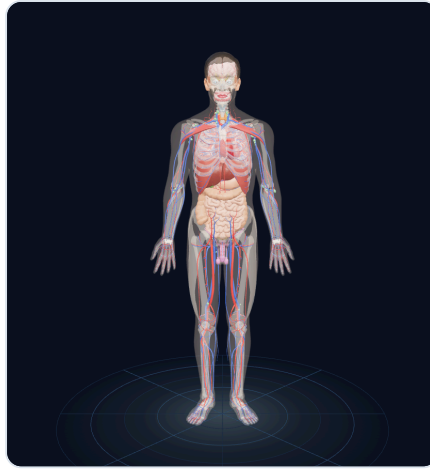
Selecting a structure shows its name and description and says its name in Arabic. When you pick it from "Browse structures" or the search, the rest of the body turns into a faint shadow so you can concentrate on it. Click an empty spot or press Esc to bring the body back.

Viewing tools

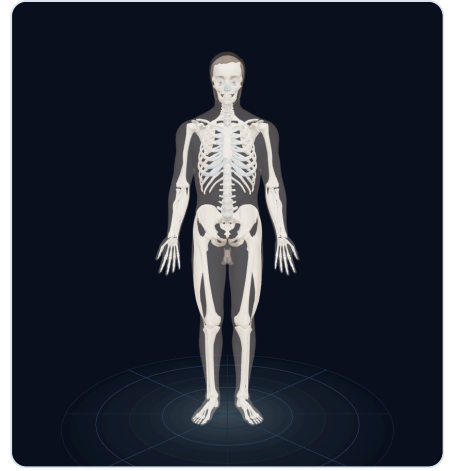
- X-ray: makes skin and muscles transparent to see what lies beneath.
- Explode: gradually moves the structures apart.
- Sections: sagittal (left/right), transverse (up/down), coronal (front/back), each with a Flip button.
- Isolate keeps the structure and its group and fades the rest. Hide removes a structure; Undo brings it back.
- Labels: writes the names of the visible structures on screen automatically.
- Screenshot: saves an image in Pictures → ASFAN Anatomy.



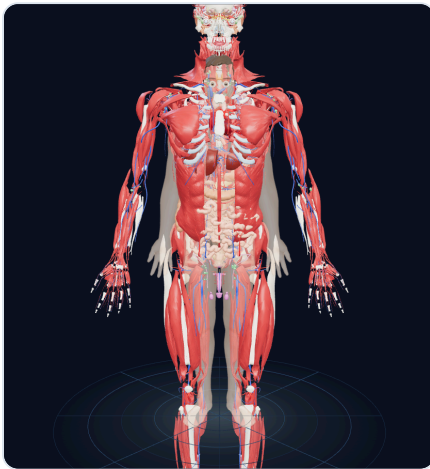
X-ray



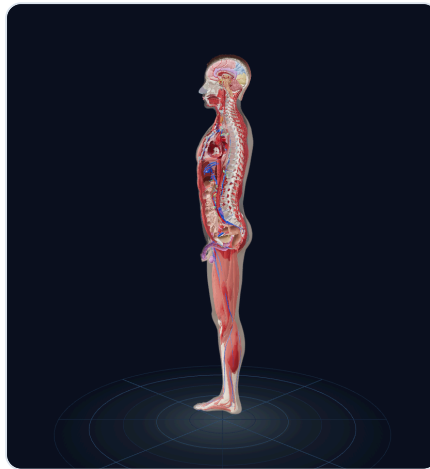
Organs view



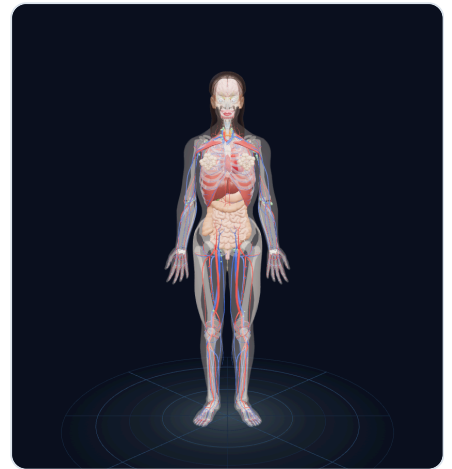
Skeleton



Exploded view



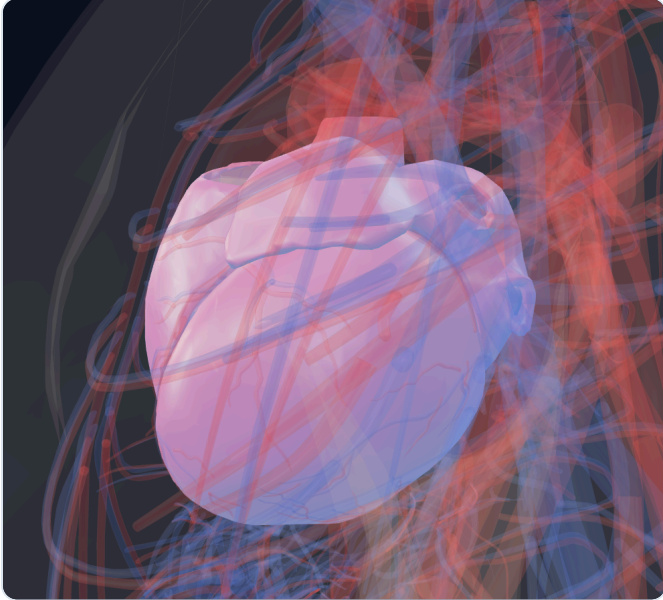
Sagittal section



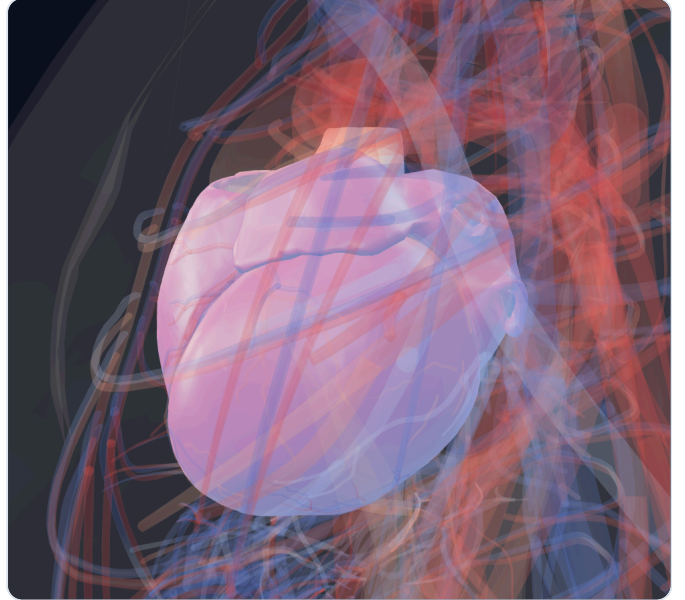
Female organs

Physiology

- Heartbeat: the heart contracts and relaxes at 72 beats per minute.
- Breathing: the lungs expand and the diaphragm moves.
- Blood flow: red waves travel away from the heart in arteries, blue waves back towards it in veins, plus the electrical conduction wave in the heart.



Lesson "The heart and blood flow": heart chambers highlighted



Blood-flow simulation

Open it with "Learning centre" in the bottom toolbar. It has four tabs:

Lessons

Guided lessons at school and university level (heart, brain, breathing, digestion, skeleton, lymphatic, urinary, eye, glands, female reproductive system, limbs, coronary circulation...). Each step highlights and explains the structures, with optional narration. Use Previous / Next to move.

Quick quiz

From "Quick quiz": "Name it" lights a structure in green for you to name; "Find it" asks you to click the requested structure.

Comprehensive exam & certificate

1. Enter the student name and choose the level, systems, number of questions and time.
2. The exam mixes conceptual questions with identifying structures and matching descriptions.
3. The result shows the accuracy per system and a review of wrong answers.
4. If passed (70% or more) click "Certificate (PDF)" to save a certificate in the student's name.

My progress & favourites

Shows how much of the body you have explored, completed lessons, exam results and the systems worth reviewing. Favourites collects your favourite structures, notes and saved views.

1. Learning centre → Lessons → "New lesson".
2. Set up the view (systems, angle, selected structure, section), type the explanation and click "Add current view as a step".
3. Repeat for each step, then "Play" to try it or "Save lesson to file" to share it with students.
4. To open a saved lesson: "Open lesson file".

Presentation mode hides the interface and shows each step's explanation in large text with navigation buttons – ideal for classroom screens and interactive displays.

10 Virtual reality (Meta Quest)

One-time setup

1. Install the Meta Quest Link app on the PC from Meta's website and sign in.
2. In the app: Settings → General → OpenXR Runtime → Set Meta Quest Link as active.
3. On the same page enable Unknown sources.

Entering VR

1. Connect the headset with the cable and start Link inside the headset (or Air Link wirelessly).
2. The program shows "Headset connected" at the bottom – click "Enter VR" and put the headset on.
3. To leave: "Exit VR" on the screen or in the hand menu.

Controls in the headset

Button	Function
Right trigger	Select a structure with the laser – its name appears beside the body with an arrow pointing to it – or press menu buttons
Grip (one hand)	Grab, move and turn the body
Both grips	Scale and rotate the body
Left stick	Walk
Right stick	Turn
X	Show / hide the left-hand menu
Y	Reset the body position
A	Pronounce the name
B	Hide the structure
Right stick press	Freeze the hand section

The hand menu holds the systems, male/female, X-ray, heartbeat, breathing, blood flow, explode, lessons, hand section, scale and language.

11 Settings & updates

- Rendering quality: high, or low for older computers.
- Light / dark theme, full screen, text size and language.
- Updates: the program checks automatically when it opens and shows "A new version is available". Click "Update now" to download, install and reopen. You can also check manually with "Check for updates".

Tip: Every update is digitally signed by ASFAN; the program never installs an unsigned file.

12 Troubleshooting

Problem	Solution
"Windows protected your PC"	More info → Run anyway
"No headset" although it is connected	Start Link inside the headset, make sure OpenXR Runtime = Meta Quest Link, then click Detect
Slow image in the headset	Lower the rendering quality in Settings, or set the refresh rate to 72 Hz in the Link app
Lesson narration is not spoken in Arabic	Install an Arabic voice: Windows Settings → Time & Language → Speech → Add voices
"This key belongs to another computer"	Send us the current machine ID for a new key
Subscription expired	Contact us to renew, then activate the new key
Bottom toolbar hidden behind the taskbar	Press F11 twice or use "Full screen" in Settings

Support & subscriptions

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