4D INTERACTIVE ANATOMY
UNIVERSITY OF EXETER STUDENT USER GUIDE

4DIA is a cloud-based, virtual dissection room using real cadavers. You can dissect the specimen layer-by-layer and study the anatomical structures as you would in a dissection lab.

1. REGISTRATION & ACCESS

To access the site from any device, at any time, from anywhere, please register a user account with your university email address here: http://www.4danatomy.com/signup/group?ss=Exeter
You will receive an email from Pat Freeman (please check spam folder). Please click the link inside it to complete your registration.

If you already have a user accounts and forgot your password, please use the “lost password” button on the login page or write us an email at info@4danatomy.com.

2. DISSECTION & BONES MODULES

After logging in, you are free to explore the interactive modules. You can browse modules by type or region. You may need to scroll down to find all of the available modules, such as the human skull and bone modules.

4D Anatomy modules menu sorted by module type
3. MODULE CONTENTS

Each module consists of a large number of high resolution 2D images that are composited into an interactive format. After selecting a module, you will find four tabs near the upper right side:

- **STRUCTURES tab** - Tilt, rotate, and dissect the specimen. Search for structures here.
- **LABELS tab** – Select preset, labeled “views” on the left side and highlight structures. Point your cursor at the structures to identify them.
- **QUIZ tab** – Test your knowledge about the structures in the module here.
- **INFO tab** – Learn about the structures and their functions here.

Use the STRUCTURES or LABELS tab side-by-side your textbooks, course materials, or the INFO tab to see how things look in real life, while you learn about their functions.

4. DISSECTING

Click on the image and drag to tilt and rotate the specimen. Use scroll or spread/pinch to zoom in and out. **To change layers, use shift + scroll. You can also use the navigation buttons at the bottom left part of the module viewer.** Click the navigation help for further information.

5. FINDING STRUCTURES

Use the search bar in the upper right part of your screen at any time, or on the left side of the module viewer on the STRUCTURES tab to find the structures you are looking for.
Check the “filter by layer” box to restrict the search results to the structures labeled on the layer.

**TRY THIS:**

1) On the STRUCTURES tab, type in the structure you are looking for e.g. artery

2) Tick the “filter by layer” box to restrict search results to the layer currently viewed.

3) Click “show solid” in the search results to highlight and navigate to the structure.

"Filter by layer” box ticked during search

6. **KEEPING NOTES WITH URL LINKS**

Every structure has a unique URL link that you can copy from your browser’s address bar and paste into your notes. **TRY THIS:**

1) Search for the structure you would like to revisit later e.g. carpal tunnel.

2) Click on “show solid” in the results.

3) The URL link in your browser’s address bar changes when you click on “show solid”.

![Unique URL link to the carpal tunnel’s solid view #1](https://www.4danatomy.com/viewer/102/hand-palmar-right/structures/show/1972/contour/23724)

4) Copy the URL link from your browser’s address bar and paste it into your notes.

For example, this is the link to the carpal tunnel (right click -> open hyperlink): [https://www.4danatomy.com/viewer/102/hand-palmar-right/structures/show/1972/contour/23724](https://www.4danatomy.com/viewer/102/hand-palmar-right/structures/show/1972/contour/23724)

You can copy the relevant URL links into your course’s ID lists to review them at any time.
7. PROJECTING STRUCTURES TO OTHER LAYERS

4DIA’s technology can show you unique perspectives of the human body. Visualize where deep situated structures are located in relation to other layers. TRY THIS:

1) On the STRUCTURES tab, search for a structure you want to project and click on “show solid” or “show cut”.

2) Tick the box “project to layers”.

3) Navigate to another layer without rotating the specimen.

4) The highlighted or cut structure will be visible over the other layer.

8. BLENDING ENTIRE LAYERS

You can also blend two layers to demonstrate their relation to each other.
TRY THIS:

1) Click the **wrench icon** in the lower right corner of the module viewer to open settings.

2) Tick the “**blend current layer**” box.

3) Click the wrench again to close the menu and navigate to any other layer.

4) Adjust the blending opacity slider in the menu as needed.

**Blending layers feature in the “settings” menu**

Blending layers to demonstrate auscultation points and the heart’s position behind the ribcage

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9. **PRESET VIEWS ON THE LABELS TAB**

4DIA uses 2D images in an interactive format, but what you see is not a true 3D model. It is not possible to label every structure on all of the 1.5+ million 2D images we have at the moment.

We have created preset “views” available on the LABELS tab, where you can find the images with labeled structures. **TRY THIS:**

1) On the LABELS tab, **click on a “view”** on the left side of the module viewer.

**Available preset “dorsal view” indicated with red on the left side of the LABELS tab**
2) **Click on the names of the structures** in the drop-down menu to highlight them on the image.

![Structures highlighted in “dorsal view” on the LABELS tab](image)

3) **Point your cursor at the structures** on the image to identify them.

**Start with the outermost layer, and study the structures from each preset view.** Once finished, advance a layer down and repeat the process until the specimen is fully dissected.

**10. EXPORTING IMAGES**

Subscribers can export any image they want to use for course materials, assignments, presentations, research papers, etc. using the “**export image**” button.

![“Export image” button](image)

If you would like to use images for commercial purposes outside the institution, or need more information about the terms of use, please write an email to Ors Adam ([ors@4danatomy.com](mailto:ors@4danatomy.com)).

**Disclaimer:** 4D Interactive Anatomy is grateful to the altruistic body donors who make this platform possible. The images and content are meant to be used only for educational purposes. Other uses, where the body donors’ dignity, privacy, and due respect cannot be ensured will be considered ethical violations and breach of our terms of service. When in doubt, please write us an email at [info@4danatomy.com](mailto:info@4danatomy.com) before using the images and content.

**11. FURTHER INFORMATION & CONTACT DETAILS**

For more information about 4DIA’s features, please check out this video and our YouTube channel: [https://youtu.be/tpkB9sW3PXMy?t=54](https://youtu.be/tpkB9sW3PXMy?t=54)

If you have any questions or feedback for us, please feel free to write us at [info@4danatomy.com](mailto:info@4danatomy.com) at any time. Please follow us on Facebook [https://www.facebook.com/4danatomy/](https://www.facebook.com/4danatomy/) so you do not miss it when a new module is released. We trust you will find 4D Interactive Anatomy useful.