

Contextualising the Kidney

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Contextualising the kidney

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Lessons

1

Videos

All

Skill Level

4 hours

Duration

English

Language

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The Kidney and renal Vessels

This is another series of lessons and is similar to the Art In Your Heart, Critical Thinking in Physiology: Cardiac anatomy

I would like you to draw a kidney, including the large vessels and the ureter

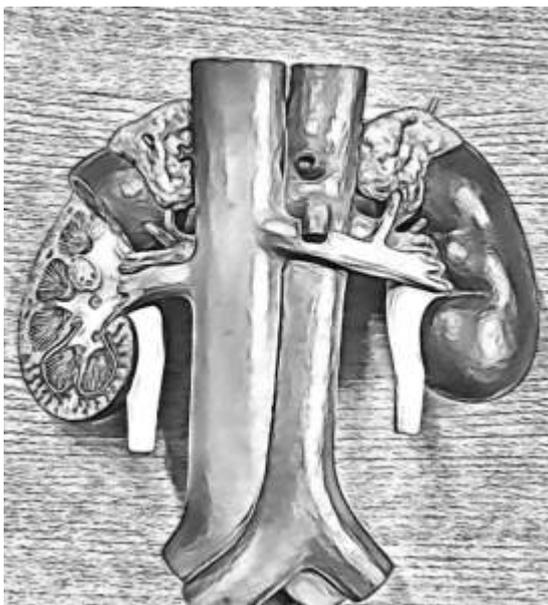
The final piece of work should take you about 4 hours.

Watch all the videos and learn how to sketch and shade the kidney and vessels. You can sketch and watch along or watch then sketch. Its up to you. Upload your finished piece of work

Lets Begin!

Below is a little video of a sketch of a kidney bean in order to practice your continuous shading.

<https://franscienceart.com/wp-content/uploads/2020/06/Sketching-a-kidney-bean.mp4>



Kidney in context

Kidney Images to draw and label

Here are the images of the kidneys as they would be found in the body. You need to know which are the blood vessels coming into and going out of the kidney- in addition to the kidney 'piping'.

The dissection is a little tricky to draw so for ease we're going to draw a model of a kidney (the colours aren't what they're really like).

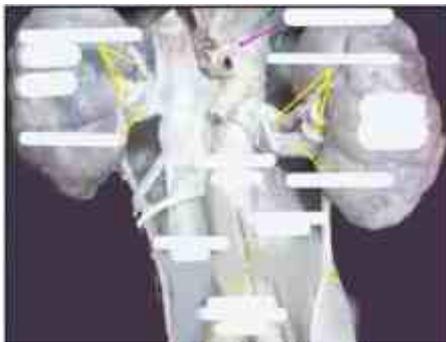
Your drawing has to be labelled.

Try and make a note of what each of these structures does.

Where have you met some of these structures before?

Dissection of a kidney

Have a look at the human kidney below. See if you can label the following structures. How does this image make you feel?



You need to label:

Right Kidney

Left Kidney

Left renal artery

Left renal vein

Right renal artery

Right renal vein

Right Ureter

Left ureter

Descending Aorta

Inferior Vena Cava

Dissection cheat sheet



Did you get all of the structures correct?

Model of a kidney

This is the image we will be copying. It has labelling on it to help you refer to the anatomical parts as you go along. See if you can recognise the structures from the image above.



You need to label:

Right Kidney

Left Kidney

Left renal artery

Left renal vein

Right renal artery

Right renal vein

Right Ureter

Left ureter

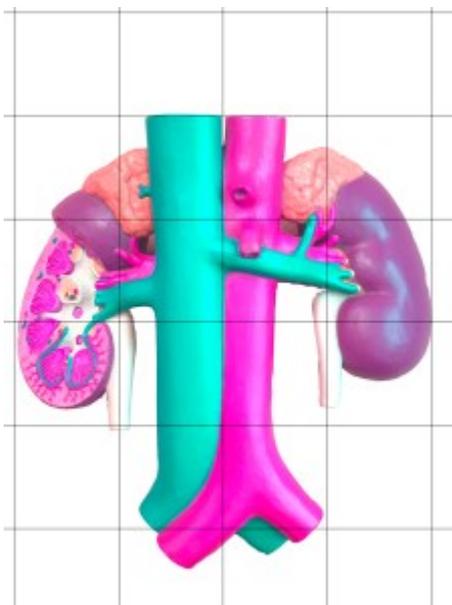
Descending Aorta

Inferior Vena Cava

Adrenal gland

With a Grid

When you start drawing, in order for it to be accurate you can use a grid or tracing.

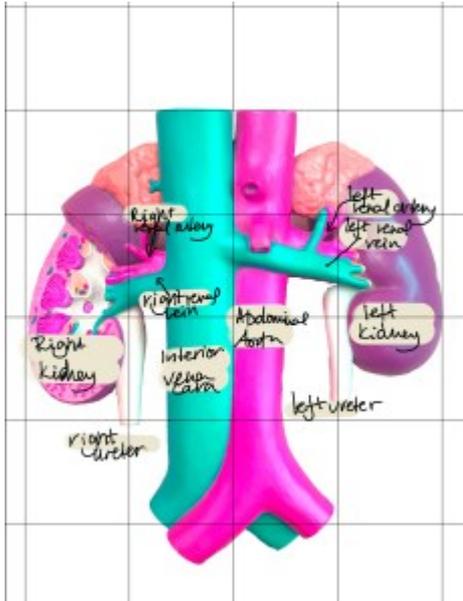


Using a grid enables your drawings to be kept to scale. Draw a grid 4×4 and then see if you can place the organ and vessels accurately

Image for creating tonal range

Model Cheat sheet

Label your drawing with the following....



Forum

Upload your work to the forum here

[Click Here](#)

Other weeks

Part 1: BACKGROUND INFORMATION

General instructions

Get the kit required and find out any course requirements

Background

Loads of reading- 4 hours

[View Week](#)

Part 2: Practice sketching

Learn to sketch & draw

Learn how to sketch using a wide range of pencil grades and also a variety of sketching techniques

Brush up on your sketching techniques

5 lessons - 2 hours

[View Week](#)

“I worked with Fran for many miserable years, but I should emphasize that it wasn’t her fault. She is without doubt one of the nicest and most talented scientists that I have ever met and what sets her apart from the others is the mysterious hold she has over me.”

Philip Miller Tate Surrey, UK

“She puts students at the heart of what she does and is an amazing role model for them. As well as a sparky and inspiring colleague.”

Hilary Wason Kingston University, London

“This course is amazing. Why is it free?”

anonLondon

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