

Workbook : Kidney Structure & Function.

This workbook has been designed to be used in conjunction with the course reading booklet. You are free to complete as few or as many of the tasks as you wish. The workbook can then be added to your CPD portfolio as evidence of your activity. It also provides room for you to reflect your thoughts in relation to this course and your learning experience.

Self-assessment : Kidney Structure & Function.

1.	What functions are performed by the urinary system, and which structures make up the system ?
2.	Name the two layers of the kidney

3.	What are the renal columns and renal pyramids ?
4.	Draw and label the functional unit of the kidney.

5.	Starting at the abdominal aorta, describe the blood supply to the kidney.
6.	What three processes are involved in urine production ?
7.	What is : Renal blood flow ? Renal plasma flow ? GFR ?

8.	What is the filtration barrier ?
10.	What happens to the majority of the filtrate that enters the nephron ?
11.	How does the diameter of the afferent arteriole affect glomerular capillary pressure ?
12.	<p>In the nephron, list which substances move by ;</p> <ul style="list-style-type: none">a. active transport b. passive transport <p>Where in the nephron does this movement occur ?</p>

13.	Describe a counter-current system.
14.	What is the different between a counter-current system, and a counter-current multiplier system ?
15.	What is the role of ADH ?

16.	How does the renin-angiotensin-aldosterone mechanism affect kidney function ?
17.	What is atrial natriuretic hormone, and what is it's role ?

18.	What is autoregulation ?
19.	How are baroreceptors involved in the regulation of kidney function ?
20.	Define the term 'plasma clearance'. What place does this have in medical management of a patient with renal failure ?

Reflection.

Take some time to think about the learning that you have completed using this course. Was it useful, was it interesting, was it applicable to your practice? Is there anything in particular you have gained from the course, and does it encourage you to alter your practice? Have you enjoyed it?

These are all questions you should ask yourself before you complete your reflective account below, as these are key points that you need to mention.

How much time have you spent completing this course?	
Did you complete the course on your own, or as part of a learning group?	

Your general reflective account :

Key Learning / Practice points (list up to 5) :

1.

2.

3.

4.

5.

If you feel you have any further comments to make about your learning, please use the space below.

