Group D & E

Week 1 (25th June 2018) **Theme: Structure & function of the urinary system**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	**Group D:** Histology lab **Group E:** Directed Self-study	**Group D:** Directed Self-study **Group E:** Histology lab	**Group D:** CSL – Block C **Group E:** Directed Self-study	**Group D:** Anatomy lab **Group E:** CSL – Block C	**Group D:** Directed Self-study **Group E:** Anatomy lab
10.35 – 11.35	**Lecture**: Structure of the Urinary tract & Posterior Abdominal wall **(A)** **Venue:** Lecture hall 4	**Lecture:** Macroscopic structure of kidney: Structure, position & relation **(A)** **Venue:** Lecture hall 4	**Lecture:** Macroscopic structure of the ureter: Structure, course & blood supply **(A)** **Venue:** Lecture hall 4	**Lecture:** Supra renal glands & Urinary bladder **(A)** **Venue:** Lecture hall 4	**Lecture:** Histology of the kidney, ureter & bladder **(A)** **Venue:** Lecture hall 4
11.40 – 12.40	**Lecture**: Overview of renal system & its physiology **(P)** **Venue:** Lecture hall 4	**Lecture:** Glomerular filtration & its autoregulation **(P)** **Venue:** Lecture hall 4	**Lecture:** Renal circulation & pressures **(P)** **Venue:** Lecture hall 4	**Lecture:** Renal tubules characteristics: PCT, LOH & DCT **(P)** **Venue:** Lecture hall 4	**Lecture:** Renal tubules characteristics: Collecting & medullary ducts **(P)** **Venue:** Lecture hall 4
12:45 – 01:15	**Lunch/ Prayer Break**				
01.15 – 03.15	**Group D:** Embryology tutorial – Lecture hall 3 **Group E:** Directed Self-study	**Group D:** Directed Self-study **Group E:** Embryology tutorial – Lecture hall 3	**Group D:** Directed Self-study **Group E:** Directed Self-study	**Group D:** Directed Self-study **Group E:** Directed Self-study	**Group D:** Directed Self-study **Group E:** Directed Self-study

CSL: History taking of patient with pain in the lumbar region
Embryology Tutorial: Development of the urinary tract & anomalies I
Anatomy lab: Anatomy of the urinary system
Histology lab: Histology of the kidney

Group A, B & C

Week 1 (25th June 2018) **Theme: Structure & function of the urinary system**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	**Group A:** Anatomy lab **Group B:** CSL – Block C **Group C:** Directed Self-study	**Group A:** Directed Self-study **Group B:** Anatomy lab **Group C:** CSL – Block C	**Group A:** Histology lab **Group B:** Directed Self-study **Group C:** Anatomy lab	**Group A:** Directed Self-study **Group B:** Histology lab **Group C:** Directed Self-study	**Group A:** CSL – Block C **Group B:** Directed Self-study **Group C:** Histology lab
10.35 – 11.35	**Lecture**: Overview of renal system & its physiology **(P)** **Venue:** Lecture hall 3	**Lecture:** Glomerular filtration & its autoregulation **(P)** **Venue:** Lecture hall 3	**Lecture:** Renal circulation & pressures **(P)** **Venue:** Lecture hall 3	**Lecture:** Renal tubules characteristics: PCT, LOH & DCT **(P)** **Venue:** Lecture hall 3	**Lecture:** Renal tubules characteristics: Collecting & medullary ducts **(P)** **Venue:** Lecture hall 3
11.40 – 12.40	**Lecture**: Structure of the Urinary tract & Posterior Abdominal wall **(A)** **Venue:** Lecture hall 3	**Lecture:** Macroscopic structure of kidney: Structure, position & relation **(A)** **Venue:** Lecture hall 3	**Lecture:** Macroscopic structure of the ureter: Structure, course & blood supply **(A)** **Venue:** Lecture hall 3	**Lecture:** Supra renal glands & Urinary bladder **(A)** **Venue:** Lecture hall 3	**Lecture:** Histology of the kidney, ureter & bladder **(A)** **Venue:** Lecture hall 3
12:45 – 01:15	**Lunch/ Prayer Break**				
01.15 – 03.15	**Group A:** Directed Self-study **Group B:** Directed Self-study **Group C:** Directed Self-study	**Group A:** Directed Self-study **Group B:** Directed Self-study **Group C:** Directed Self-study	**Group A:** Embryology tutorial – Lecture hall 3 **Group B:** Directed Self-study **Group C:** Directed Self-study	**Group A:** Directed Self-study **Group B:** Embryology tutorial – Lecture hall 3 **Group C:** Directed Self-study	**Group A:** Directed Self-study **Group B:** Directed Self-study **Group C:** Embryology tutorial – Lecture hall 3

CSL: History taking of patient with pain in the lumbar region
Embryology Tutorial: Development of the urinary tract & anomalies I
Anatomy lab: Anatomy of the urinary system
Histology lab: Histology of the kidney

Group D & E

Week 2 (2nd July 2018) **Theme: Mechanism of urine formation and urine concentration**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	**Group D:** Histology lab **Group E:** Directed Self-study	**Group D:** Directed Self-study **Group E:** Histology lab	**Group D:** CSL – Block C **Group E:** Directed Self-study	**Group D:** Anatomy lab **Group E:** CSL – Block C	**Group D:** Directed Self-study **Group E:** Anatomy lab
10.35 – 11.35	**Lecture:** Back region & Lumbar plexus **(A)** **Venue:** Lecture hall 4	**Lecture:** Back region & Lumbar plexus continued… **(A)** **Venue:** Lecture hall 4	**Lecture:** Back region & Lumbar plexus continued… **(A)** **Venue:** Lecture hall 4	**Lecture:** Amino acid pool, Nitrogen balance & Protein turnover **(B)** **Venue:** Lecture hall 4	**Lecture:** Digestion of dietary proteins **(B)** **Venue:** Lecture hall 4
11.40 – 12.40	**Lecture:** Tubular reabsorption continued… **(P)** **Venue:** Lecture hall 4	**Lecture:** Tubular secretions **(P)** **Venue:** Lecture hall 4	**Lecture:** Tm and Renal clearance & Threshold & Tubular load **(P)** **Venue:** Lecture hall 4	**Lecture:** Mechanism of urinary concentration **(P)** **Venue:** Lecture hall 4	**Lecture:** Mechanism of urinary concentration continued… **(P)** **Venue:** Lecture hall 4
12:45 – 01:15	**Lunch/ Prayer Break**				
01.15 – 03.15	**Group D:** Embryology tutorial – histology lab **Group E:** Directed Self-study	**Group D:** Directed Self-study **Group E:** Embryology tutorial – histology lab	**Group D:** Physiology SGD – histology lab **Group E:** Directed Self-study	**Group D:** Anatomy SGD – Biochemistry lab **Group E:** Physiology SGD – histology lab	**Group D:** Directed Self-study **Group E:** Anatomy SGD – histology lab

CSL: Urine Detail Report (D/R)
Embryology Tutorial: Development of the urinary tract & anomalies II
Anatomy lab: Back region I
Histology lab: Histology of the kidney, ureter & bladder II

Group A, B & C

Week 2 (2nd July 2018) **Theme: Mechanism of urine formation and urine concentration**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	**Group A:** Anatomy lab **Group B:** CSL – Block C **Group C:** Directed Self-study	**Group A:** Directed Self-study **Group B:** Anatomy lab **Group C:** CSL – Block C	**Group A:** Histology lab **Group B:** Directed Self-study **Group C:** Anatomy lab	**Group A:** Directed Self-study **Group B:** Histology lab **Group C:** Directed Self-study	**Group A:** CSL – Block C **Group B:** Directed Self-study **Group C:** Histology lab
10.35 – 11.35	**Lecture:** Tubular reabsorption continued… **(P)** **Venue:** Lecture hall 3	**Lecture:** Tubular secretions **(P)** **Venue:** Lecture hall 3	**Lecture:** Tm and Renal clearance & Threshold & Tubular load **(P)** **Venue:** Lecture hall 3	**Lecture:** Mechanism of urinary concentration **(P)** **Venue:** Lecture hall 3	**Lecture:** Mechanism of urinary concentration continued… **(P)** **Venue:** Lecture hall 3
11.40 – 12.40	**Lecture:** Back region & Lumbar plexus **(A)** **Venue:** Lecture hall 4	**Lecture:** Back region & Lumbar plexus continued… **(A)** **Venue:** Lecture hall 4	**Lecture:** Back region & Lumbar plexus continued… **(A)** **Venue:** Lecture hall 4	**Lecture:** Amino acid pool, Nitrogen balance & Protein turnover **(B)** **Venue:** Lecture hall 4	**Lecture:** Digestion of dietary proteins **(B)** **Venue:** Lecture hall 4
12:45 – 01:15	**Lunch/ Prayer Break**				
01.15 – 03.15	**Group A:** Anatomy SGD – Anatomy lab **Group B:** Physiology SGD – Biochemistry lab **Group C:** Directed Self-study	**Group A:** Directed Self-study **Group B:** Anatomy SGD – Anatomy lab **Group C:** Physiology SGD – Biochemistry lab	**Group A:** Embryology tutorial – Anatomy lab **Group B:** Directed Self-study **Group C:** Anatomy SGD – Biochemistry lab	**Group A:** Directed Self-study **Group B:** Embryology tutorial – Anatomy lab **Group C:** Directed Self-study	**Group A:** Physiology SGD – Anatomy lab **Group B:** Directed Self-study **Group C:** Embryology tutorial – Biochemistry lab

CSL: Urine Detail Report (D/R)
Embryology Tutorial: Development of the urinary tract & anomalies II
Anatomy lab: Back region I
Histology lab: Histology of the kidney, ureter & bladder II

Group D & E

Week 3 (9th July 2018) **Theme: Renal failure & its types**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	**Group D:** Physiology lab **Group E:** Directed Self-study	**Group D:** Directed Self-study **Group E:** Physiology lab	**Group D:** CSL – Block C **Group E:** Directed Self-study	**Group D:** Anatomy lab **Group E:** CSL – Block C	**Group D:** Directed Self-study **Group E:** Anatomy lab
10.35 – 11.35	**Lecture:** Diuretics – Introduction & classification **(Ph)** **Venue:** Lecture hall 4	**Lecture:** Diuretics – Carbonic anhydrase inhibitors **(Ph)** **Venue:** Lecture hall 4	**Lecture:** Loop diuretics & Thiazide diuretics **(Ph)** **Venue:** Lecture hall 4	**Lecture:** Individual functions of essential & non-essential amino acids **(B)** **Venue:** Lecture hall 4	**Lecture:** Conversion of amino acids to specialized products **(B)** **Venue:** Lecture hall 4
11.40 – 12.40	**Lecture:** Micturition **(P)** **Venue:** Lecture hall 4	**Lecture:** Buffer system physiology **(P)** **Venue:** Lecture hall 4	**Lecture:** Principles of acid-base balance **(P)** **Venue:** Lecture hall 4	**Lecture:** Disorders of acid-base balance **(P)** **Venue:** Lecture hall 4	**Lecture:** Potassium sparing & Osmotic diuretics **(Ph)** **Venue:** Lecture hall 4
12:45 – 01:15	**Lunch/ Prayer Break**				
01.15 – 03.15	**Group D:** Biochemistry SGD – biochemistry lab **Group E:** Directed Self-study	**Group D:** Directed Self-study **Group E:** Biochemistry SGD – biochemistry lab	**Group D:** Physiology SGD – Histology lab **Group E:** Directed Self-study	**Group D:** Anatomy SGD – Anatomy lab **Group E:** Physiology SGD – Histology lab	**Group D:** Directed Self-study **Group E:** Anatomy SGD – Anatomy lab

CSL: Examination of the spine (back region).
Anatomy lab: Back region II
Physiology lab: Renal function tests

Group A, B & C

Week 3 (9th July 2018) **Theme: Renal failure & its types**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	**Group A:** Anatomy lab **Group B:** CSL – Block C **Group C:** Directed Self-study	**Group A:** Directed Self-study **Group B:** Anatomy lab **Group C:** CSL – Block C	**Group A:** Physiology lab **Group B:** Directed Self-study **Group C:** Anatomy lab	**Group A:** Directed Self-study **Group B:** Physiology lab **Group C:** Directed Self-study	**Group A:** CSL – Block C **Group B:** Directed Self-study **Group C:** Physiology lab
10.35 – 11.35	**Lecture:** Micturition **(P)** **Venue:** Lecture hall 3	**Lecture:** Buffer system physiology **Venue:** Lecture hall 3	**Lecture:** Principles of acid-base balance **(P)** **Venue:** Lecture hall 3	**Lecture:** Individual functions of essential & non-essential amino acids **(B)** **Venue:** Lecture hall 3	**Lecture:** Potassium sparing & Osmotic diuretics **(Ph)** **Venue:** Lecture hall 3
11.40 – 12.40	**Lecture:** Diuretics – Introduction & classification **(Ph)** **Venue:** Lecture hall 3	**Lecture:** Diuretics – Carbonic anhydrase inhibitors **(Ph)** **Venue:** Lecture hall 3	**Lecture:** Loop diuretics & Thiazide diuretics **(Ph)** **Venue:** Lecture hall 3	**Lecture:** Biosynthesis of amino acids **(B)** **Venue:** Lecture hall 3	**Lecture:** Conversion of amino acids to specialized products **(B)** **Venue:** Lecture hall 3
12:45 – 01:15	**Lunch/ Prayer Break**				
01.15 – 03.15	**Group A:** Anatomy SGD – Anatomy lab **Group B:** Physiology SGD – Histology lab **Group C:** Directed Self-study	**Group A:** Directed Self-study **Group B:** Anatomy SGD – Anatomy lab **Group C:** Physiology SGD – Histology lab	**Group A:** Biochemistry SGD – biochemistry lab **Group B:** Directed Self-study **Group C:** Anatomy SGD – Anatomy lab	**Group A:** Directed Self-study **Group B:** Biochemistry SGD – biochemistry lab **Group C:** Directed Self-study	**Group A:** Physiology SGD – Histology lab **Group B:** Directed Self-study **Group C:** Biochemistry SGD – biochemistry lab

CSL: Examination of the spine (back region).
Anatomy lab: Back region II
Physiology lab: Renal function tests