

Renal Questions

1. Which factor is least likely to affect recurrent calcium oxalate stone formation?

- A. Fluid intake
- B. Allopurinol
- C. Thiazide diuretics ✓
- D. Low calcium diet
- E. Alkalinization of urine

2. Cyclosporin nephrotoxicity is least associated with:

- A. Impaired potassium excretion
- B. Reduced uric acid excretion
- C. Glomerulopathy
- D. Arterial damage
- E. Interstitial fibrosis

3. For which of the following drugs is haemodialysis useful in the case of severe overdose?

- A. Digoxin ✓
- B. Ethylene glycol
- C. Tricyclic antidepressants
- • D. Lithium
- E. Fluoxetine

4. 52 year old lady presents with pain in her spine. An X-ray reveals a wedge fracture of L3. SD = -4 in spine and SD = -2 in her hip. Normal plasma electrophoresis, normal calcium levels. U&E normal. What is the next most appropriate investigation?

- A. Biopsy of vertebrae
- B. Urine electrophoresis
- C. Bone scan
- D. CT chest/abdo/pelvis
- E. Mammography

5. 31 year old Cambodian lady presents with nephrotic syndrome due to membranous GN. Which of the following investigations would be least helpful in determining the cause?

- A. Malaria slide
- B. Hepatitis B serology
- C. Syphilis serology
- D. Mantoux test
- E. ANA level

6. 23 year old lady had a skin infection on her right thigh for the last 3 weeks. She now presents with oedema and haematuria. Urine microscopy reveals RBC 100×10^6 and there are RBC casts.

Cryoglobulins +ve

ANA <1:40

ANCA negative

C3 low

C4 low

Renal biopsy shows granular deposits of C3 and IgG.

Aside from good blood pressure control, correction of electrolyte disturbances and adute dialysis if necessary, what would you treat her with?

- A. Prednisolone
- B. Prednisolone and cytotoxic
- C. Prednisolone and cytotoxic and plasmaphoresis
- D. No treatment, observation only
- E. Plasmaphoresis only

7. Which of the following enzyme abnormalities is most likely to be associated with severe hyperuricaemia?

- A. Hypoxanthine guanine deficiency
- B. Phosphoribosyl pyrophosphate deficiency
- C. Xanthine oxidase deficiency
- D. SCLA3A1 gene defects
- E. Thiopurine methyltransferase deficiency

8. Haemodialysis is most useful in the management of acute poisoning with:

- A. Paraquat
- B. Digoxin
- C. Tricyclic antidepressants
- D. Elylene glycol
- E. Arsenic

9. In Wegners granulomatosis, which of the following is least likely to be found in a renal biopsy?

- A. T-cells
- B. Macrophages
- C. IgG deposition
- D. C-ANCA
- E. Fibrinoid necrosis

10. Which of the following is least likely to be associated with cyclosporin toxicity?

- A. Glomerulopathy
- B. Interstitial fibrosis
- C. Hyperkalaemia
- D. Hyperuricaemia
- E. Renal endothelial injury

11. a 23 year old man has macroscopic haematuria. He has had several hospital admissions with this problem. He has previously had a pulmonary embolus for which he is on warfarin. Which of the following is the least likely cause?

- A. IgA nephropathy
- B. Warfarin therapy
- C. Goodpasture's syndrome
- D. Polycystic kidney disease
- E. Narcotic abuse