



Cert Nephrology(SA) Paed

## THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain  
Reg No 1955/000003/08

Examination for the Subspecialty Certificate in Nephrology of the  
College of Paediatricians of South Africa

28 July 2016

Paper 1

(3 hours)

*All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)*

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- 1 Discuss the following regarding Renal Transplantation in Children
  - a) Absolute and Relative contra-indications for renal transplantation in children.
  - b) Pre-transplant evaluation of a patient suitable for renal transplantation.

[25]
  
- 2 Discuss the following regarding peritoneal dialysis
  - a) Peritoneal equilibration test and its clinical application.
  - b) Prescription components of the peritoneal dialysis regime.
  - c) Complications of peritoneal dialysis.

[25]
  
- 3 Discuss the role of complement activation in atypical haemolytic uraemic syndrome, membranoproliferative glomerulonephritis and C<sub>3</sub> Glomerulonephritis.

[25]
  
- 4 Tabulate an approach to renal cysts in children using the following guide
  - a) Types.
  - b) Presentations.
  - c) Investigations.
  - d) Complications.

[25]



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Paper 2

(3 hours)

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- 1 Discuss Iron deficiency in a Child with Chronic Kidney Disease. [10]
- 2 Discuss the Indications and Complications of
  - a. Plasmapheresis. (5)
  - b. Erythropoietin. (5)[10]
- 3 Discuss the following regarding normal acid base balance in a child
  - a) Normal dietary intake of acid. (3)
  - b) Normal buffering and excretion of acids. (4)
  - c) Effects of chronic acidosis on growth. (3)[10]
- 4 Write short notes on VACTERL sequence. [10]
- 5 Discuss an approach to investigation of renal related hypertension. [10]
- 6 What are the indications for a renal biopsy in a patient presenting with glomerulonephritis? [10]
- 7
  - a) What are the activity markers of active lupus nephritis? (5)
  - b) How does one classify lupus nephritis histologically? (5)[10]
- 8 Discuss the complications of steroid resistant nephrotic syndrome. [10]
- 9 What are the causes and management of crescentic glomerulonephritis? [10]
- 10 Briefly discuss renal disease in children associated with HIV infection. [10]