

# Discussion on 03 July 2005 - Paediatric Nephrology

## Case History

- Patient** : 13 year old girl
- Complaints** : Fever – 2 days duration  
Vomiting – 5 days duration  
Loose stools – 2 days duration  
Cough & cold -2 days duration
- Admission into hospital** : 07.06.2005
- Clinical findings on admission** : Patient was conscious, running fever of 100°F, was dehydrated.  
Blood pressure was 120/90 in both postures.  
There was no other abnormal finding.
- Course in hospital** : Patient underwent peritoneal dialysis on 09.06.2005.  
Patient's urine output improved from 10/6/05 onwards.  
Patient was discharged on 15.06.2005.

## Investigations

- Urine routine** : Pale, yellow, clear acidic  
Albumin – Nil  
Sugar - Nil  
Pus cells – uncentrifuged – nil  
Centrifuged - 6 to 8  
RBCs 1-2  
Epith. Cells 2-3

### Blood:

Test	07/06	08/06	09/06	10/06	11/06	12/06	13/06	14/06	15/06	18/06
Urea	88	96	122	72	56	66	86	71	59	28
Creatinine	7.0	7.9	8.8	7.4	6.2	5.5	6.6	2.9	2.0	1.2
Potassium	4.8	4.8	3.8	3.7	3.1	4.2	4.3	4.2	4.1	4.1
Sugar	73	-	145	131	157					
Sodium	142									
Chloride	102									
Hb	10.7									
Differential count	P 72 L 18 M 8 E 2									

Total protein	6.1
Albumin	3.5
Calcium	9.4
Phosphorous	2.3
Bilirubin	0.6
SGPT	12
Uric acid	9.8
BT	3 mts
CT	6 mts
PT/Control	13/12
PTT/Control	30/29
Platelet count	2,56,000
LDH	343

**Smear for Malarial Parasites** : negative

**Smear for Schistocytes** : negative

**Peripheral smear** : Mild normocytic to microcytic, normochromic anaemia with relative neutrophilia and normal platelets. No abnormal cells or haemoparasites seen.

**Ultrasound abdomen** : Right kidney 10.0 x 4.9 cms.  
Left kidney 9.8 x 4.7 cms.

Echoes minimally increased.  
Collecting system not dilated.  
No calculus.

Liver : Normal  
Gall bladder : Contracted. Walls are thickened.  
Contains microcalculi.  
Spleen, Pancreas, Urinary bladder - Normal

Impression:

1. Micro calculi in gall bladder
2. Normal sized kidneys with minimal increase in parenchymal echoes with prominent renal pyramids.