

## **FLUID AND ELECTROLYTE QUIZ**

**Professor Dr. Slaman Tahir Shafi**

**Department of nephrology**

**Sharif Medical and Dental College, Lahore, Pakistan**

49 year old male was admitted to the hospital late night with worsening drowsiness for the last 3 days. His past medical history is significant for hypertension and 20 pack year history of smoking. He has history of 10 kg weight loss over last 6 months, according to his family members. His last recorded weight was 60 Kg. His only home medication is Amlodipine 10 mg daily.

On physical examination, his heart rate is 80/min, BP is 140/90 mm Hg, RR is 20/min and Temp is 98.6 F. He is lethargic and Glasgow coma scale is 8/15 and he has no focal neurological deficits. His JVP is normal, he has no edema, his cardiac auscultation revealed normal S1, S2 but no S3, S4 or murmur. He has reduced breath sounds at left lung base.

His labs results are as follows:- WBC 10 K/uL, Hb 10.5 g/dl, platelets 450 K/uL, sodium 110 meq/L, potassium 3.6 meq/L, HCO<sub>3</sub> 22 meq/L, urea 30 mg/dl, creatinine 1.1 mg/dl, urine specific gravity 1.020, nil protein, blood and WBC, urine sodium 40 meq/L and urine osmolality 650 mosm/Kg.

### **Questions:**

At this night time 3% saline is not available at hospital pharmacy and cannot be arranged.

What is the most appropriate management of this patient?

**Answer will be detailed in next issue of PJKD.**