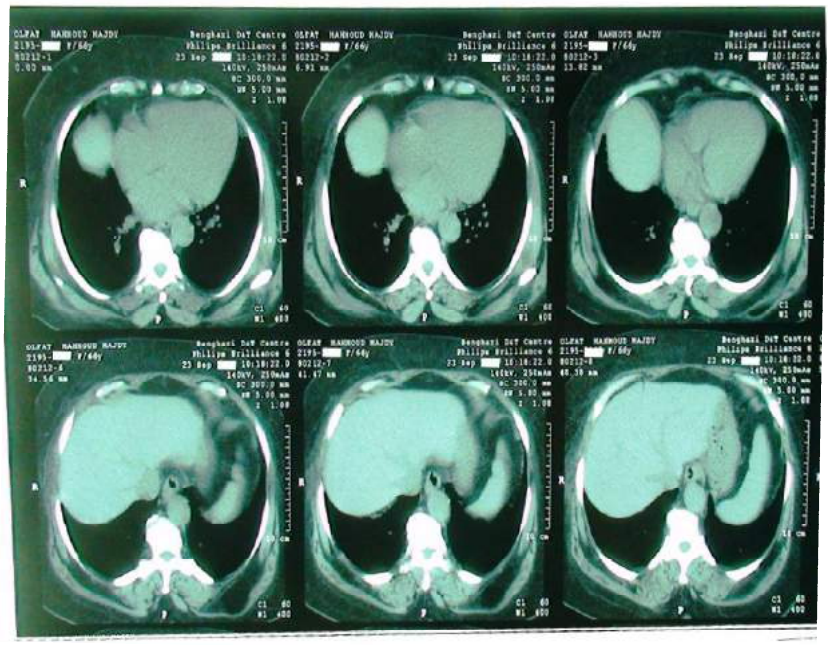
Medical Quiz

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Case Summary: Olfat Mahmoud Magdy is 66 years old female resident from Benghazi, Libya was a known case of Diabetes Mellitus with End Stage Renal Disease(ESRD) on Dependant Haemodialysis. The whole Episodes were noticed after her last child birth at the age of 41 years with the detection of Diabetes and later landed into Renal Failure. She was some of the survival patients in such a prolong period of maintenance Haemodialysis.



The sequence of her disease is with a fluctuating renal profile parameters and repeated anemia and infection of hepatitis B and hepatitis C during the course of disease and later sero-conversion takes placed. She is non-reactive now when last detected six months ago. She is carried with Maintenance Haemodialysis three times a week and has an uneventful life.

She had repeated hospitalization due to rising renal profile of Serum Creatinine, Serum Potassium and ECG changes with associated symptoms of breathlessness and chest pain. Quite often she was required to admit with this problem in Emergency and managed with Emergency Haemodialysis.

On the line of further management she was re-investigated including blood, color echo cardiography, Immunoserolgy and MRI, the parameters are suitable for renal transplant, however due to non-availability of donor, Maintenance Haemodialysis is continuing.

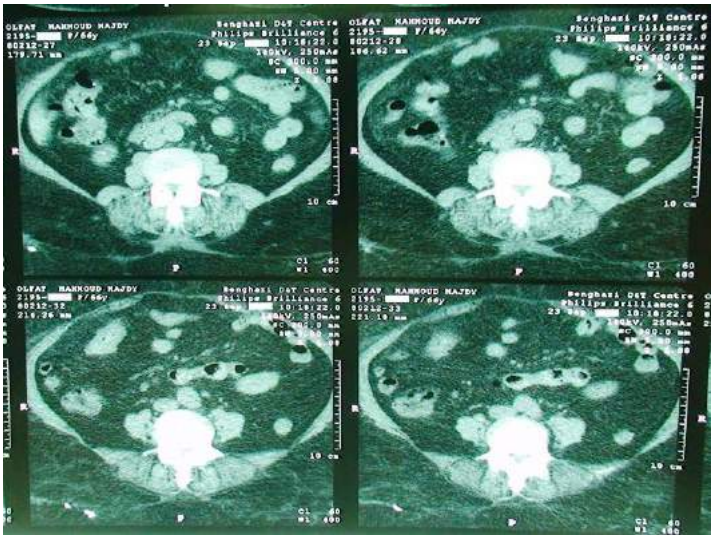


The final clinical Impression is LVH (Left Ventricular Hypertrophy) with DC (Dilated Cardiomyopathy) with CRD (Chronic Renal diseases) & ESRD (End Stage Renal Disease) with Diabetes and Hypertension.

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Some interacting questions (Select the one of the best answer)

1. ***What will be the percentage of magnitude of glomerular tubular balance?***
   a) Less than 10%.
   b) Loss upto 100%.
   c) More than loss of 50%.
   d) No loss.
2. ***What will be the indication and modalities treatment?***
   a) CAVH (continuous arterio-venous haemofiltration).
   b) CAVHD (continuous arterio-venous haemodialysis).
   c) CRRT (continuous renal replacement therapies).
   d) CVVHD (continuous veno-venous haemodialysis).



3. ***What are the outcomes of long term prognosis?***
   a) Renal failure associated with multi organ failure.
   b) Renal failure occurring less than 50% of renal impairments.
   c) Renal failure recovers up to 2%.
   d) Renal failures approximate 50% over 5 years.
4. ***What can be the explanation for LVH (Left Ventricular Hypertrophy) and DC (Dilated Cardiomyopathy) in CRD (Chronic Renal diseases) & ESRD(End Stage Renal Disease)?***
   a) Due to renal fluid overload
   b) Due to low Cardiac Ejection fraction
   c) Due to Obesity and Diabetes
   d) Due to prolong hypertension and ECFV (extracellular fluid volume) expansion.

Answer: 1(c), 2(b), 3(d) & 4(d)