

Case1:

Patient 50 years old complain from Hematuria and flank pain, Investigations show abdominal mass, in microscope: there is clear cells with pink cytoplasm.

Q1: What is Diagnosis?

Clear cell Carcinoma.

Q2: What is characteristics of this disease?

Abdominal mass in the poles of kidney.

Q3: What is Risk Factors?

Smoking, Asbestosis, Acquired Poly cystic disease.

Q4: What is this disease associated with?

Von Hippel-Lindau.

Q5: What is investigations we should do?

X-RAY but Biopsy better.

Q6: What can you find in Gross appearance?

Unilateral spherical mass, Grey-White Necrosis, Hemorrhage and Renal vein invaded,

Q7: What you can find in Biopsy?

Glycogen and lipids

Q8: Is it Benign or Malignant?

Malignant.

Q9: What drugs can minimize his problem?

Chemotherapies.

Case2:

Patient 60 years old complain from end-stage kidney, he need to transplant his kidney, after his transplanted the new kidney, A few minutes after an allograft transplantation, the kidney become cyanotic.

Q1: What is type of rejection?

Hyper acute

Q2: What is most molecule responsible for this rejection?

MHC 2

Q3: How this type of Rejection occur?

By antibody Mediated versus kidney antigen tissue.

Q4: How can we minimize his rejection?

By take corticosteroids (Cyclosporine).

Q5: What is the problems of Drugs that we used in rejection?

Toxicity Occur easily.

Q6: What is common Virus that can affect the kidney after take this drugs?

Cytomegalovirus: increase cell size.

Polyomavirus: glassy nuclei.

Case3:

Patient 5 years old complains from Hematuria and flank pain, investigations show Palpable abdominal mass.

Q1: What is mostly Diagnosis?

Wilm's Tumor.

Q2: is it congenital or acquired?

Congenital.

Q3: What is gene responsible for this disease?

WT1.

Q4: What is common complications?

Hypertension due to renin release and heart failure if didn't treated.

Q5: What is grossly appearance like?

Palpable mass in central metastasis into pelvis.

Q6: Is it malignant or benign?

Malignant, but good responding for nephrectomy and chemotherapy and he mostly survive.

Thank you

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