



Done By

Hussain Alkaff

Abdulrahman Alkaff

Nourah Al-beeshi

Scenario

Our patient is a 5 year-old, Caucasian female who presented to the primary pediatric clinic in early spring with chief complaints of, fever loss of appetite and Wight , and six days.

Clinical examination shows abdominal mass and hypertension

Investigation

Test	Result	Reference (Range)
WBC	6.7 K/uL	4.0-12.0 K/uL
LYM	31.8 %L	25.0-45.0 %L
MID	5.9 %M	0.1-15.0 %M
PMN	62.3 %G	35.0-55.0 %G
RBC	3.53 M/uL	4.00-5.30 M/uL
HGB	7.8 g/dL	11.5-14.5 g/dL
HCT	24.7 %	33.0-43.0 %
MCV	70.0 fL	76.0-90.0 fL
MCH	22.1 pg	25.0-31.0 pg
MCHC	31.6 g/dL	32.0-36.0 g/dL
RDW	19.4 %	11.5-15.0 %
PLT	473 k/uL	150-450 K/uL

Abbreviations: (WBC) white blood count, (LYM) Lymphocytes, (MID) monocytes, eosinophils, basophils, blasts, bands and other precursor white cells, (PMN) polymorpho- nuclear leukocytes , (RBC) red blood cells, (HGB) hemoglobin, (HCT) hematocrit, (MCV) mean corpuscular volume, (MCH) mean corpuscular hemoglobin, MCHC mean corpuscular hemoglobin concentration, (RDW) red cell distribution width, (PLT) platelets

The ultrasound revealed a heterogonous mass in bilateral kidney

What are differential diagnosis ?

- 1- Williams tumor
- 2- Renal cell carcinoma

How to diagnose ?

- 1-MRI and CT scan
- 2-renal biopsy

How to treat the patient?

Chemotheby and surgery

The possible affected gene ?

WT-1 and WT2

What are the function of kidney?

- 1-Rugulation of acid base balance, e
- 2-production of erthropitoten and v3
- 3-filtiration of blood

What it the level of the left kidney ?

11 ribs

2 anomalies s of the kidney

1-pelvic kidney

2-horshe kidney

2 microscopic features

- 1- stroma
- 2-blastma