

Renal Examination :-

① General Examination.

①

Exami. قبل البسي به هو :

(on Rt side)

- 1) Introduce your self.
- 2) Explain what you want to do.
- 3) take Permission.
- 4) ensure Privacy.
- 5) Wash your hand.

② A, B, C, D, E ← (on tail of bed).

A
+
D

1) Consicous / NOT / Semi Consicous.

2) Orientation → Place
→ Person
→ time

3) Position → supine , setting
→ on one Pillow , semi setting.
→ specific Position

4) Appearance

↳ looks well rill , respiratory distress.

B

5) Body built.

↳ Average weight ↳ underweight ↳ overweight
(cachectic)

↳ (I must measure BMI) $\frac{\text{وزن}}{\text{ارتفاع}^2}$

C

6) Apparent Color.

↳ Pale
↳ Cyanosis.
↳ Jaundice

← $\frac{\text{لون}}{\text{لون}}$
(I'll confirm it)
later on

E

7) Environment , see if patient attached to
any deuces , (cannular , Foley catheter , sputum cup , ventilator)
($\frac{\text{جهاز تنفس}}{\text{جهاز تنفس}} + \frac{\text{جهاز تنفس}}{\text{جهاز تنفس}}$)

⑧ Hands

(A & R side)
(((Dorsal side)))

↳ ① Nails → clubbing.

↳ Koilonychia.

↳ Leukonychia.

↳ splinter hemorrhage

↳ Half and half nail.

indicate: CKD (Lindsay's nails)

(Proximal half is white & distal half red/brown)

↳ Brown pigmentation.

↳ Muehrcke's lines.

indicate: Hypoalbuminemia / Nephrotic Syndrome

↳ Capillary refill.

↳ cyanosis

↳ ② Dorsum

↳ Muscle wasting (Guttering)

↳ ecchymosis

↳ site

↳ size

↳ Color.

+ ↳ Itching marks.

↳ Temperature

↳ Tenderness

①

((Palmar side))

↳ Pallor

↳ thinner / Hypothinner wasting / atrophy

↳ deformity.

↳ looking for steal Phenomena (when Blood flow increase in AV Fistula)

↳ causing distal ischemia (cyanosis, pallor)

(diameter of fistula.)

↳ in distal
Ringers.

② Tremors

↳ Fine tremors (Renal) هذا الى يميني ان Renal

DDX ↳ Hypocalcemia.
↳ Uremic syndrome.

④ Vital Signs

1) Pulse (radial / radioradial)

هذا مكان 1. ملاحظان بين النبضات عفو :-

2) RR

3) ⇒ : ← ٢, ٣, ٤

I must measure BP + temp.

⑤ لا اظفر ان Cubital fossa هناك اظفر طرية
لا اظفر General او اظفر (AV fistula) Ex. او طرية من

↳ If there is AV fistula, I have to say:
(there is swelling) →

↳ Measure Brachial Pulse // ... fistula

سبع في ان AV fistula

⑥ Face

1) General -

- Pigmentations (Abnormal)
- Rash.
- Cachexia (temporal wasting)
(Maxillary bone Prominent)
- Uremic frost → Uremia accumulation
- earthy look.
(yellow to brown Pigmentation)
on skin of Face.

CKD او CKD }
سبع او سبع

2) Eyes — xanthelasma → dyslipidemia (Nephrotic).
 └ Palor
 └ Jaundice.

3) Nose → Saddle nose deformity
 as in: ((Wegener ~~granulomatosis~~ granulomatosis))

4) Ear → Gouty tophus.
 └ any deformity.

5) Mouth → Hyaline
 └ cyanosis (below the tongue)
 └ pigmentation
 └ Dental Cries.
 └ Hydration

⑦ Neck
 └ Scars
 (site, size, color, healing, complications)
 └ lymph nodes
 └ Jugular vein pressure.

⑧ Chest Examination
 (Full examination)

~ / Nephrotic / Renal Failure ~ complications ~ as follows

as:-

└ Dullness (stony) → Pleural effusion.

└ Pericarditis.

└ Muffled H. sound.

└ Pericardial effusion

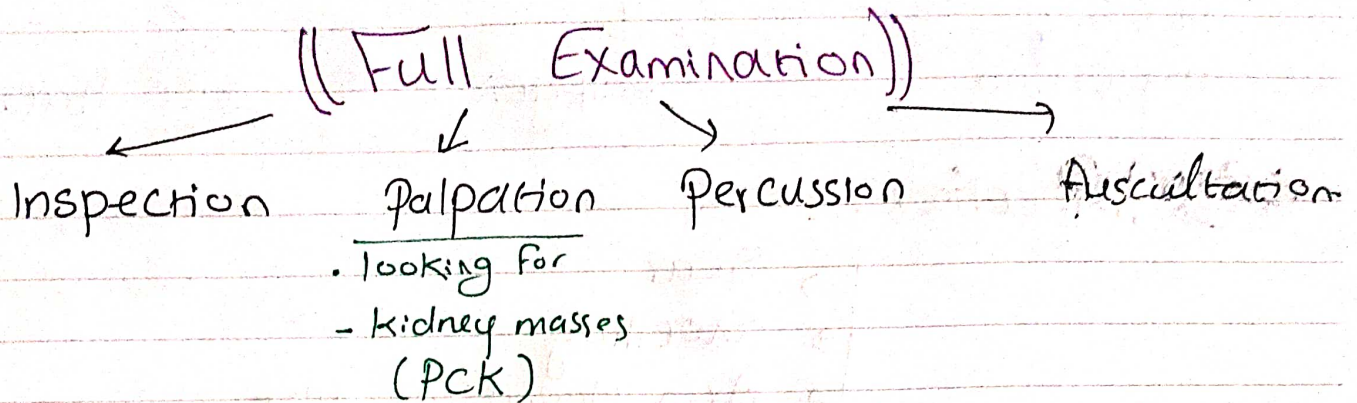
└ Pulmonary edema

└ Friction rub

└ Coarse crackles.

((Hydration ← Skin turgor test ← Pinch test))

⑨ Abdominal Examination.



Abdominal sign (bell) = Abdominal edema (Paraumbilical / Makberny sign) : 20 sec or Sacral edema.

+ looking for lower limbs edema.

((Medical Malleolus))

↳ lower limbs (looking for):

↳ edema

↳ Scars

↳ rashes

↳ In between toes → Fungal infection.

* To Complete Examination must examine:

↳ PR

↳ External Genitalia.

↳ lower limb edema.

↳ Back

↳ Virchow lymph nodes.

((AV Fistula Examination))

↳ Good exposure

(above level of nipples + 2 upper limbs.)

(Chest + upper limb).

(AV fistula Examination)

① Inspection ② Palpation ③ Auscultation

① Inspection :-

- ↳ Scar
- ↳ Swelling
- ↳ Arm elevation test

1) Scar

↳ site + (Lt / Rt arm ??)
↳ at cubital fossa

- at rest
- Basilocephalic
 - Transverse.
• Brachiocephalic
 - longitudinal
• Brachiobasalic

↳ size

↳ 1^{ry} , 2nd ^{ry} intention.

↳ Complications (keloid / Hypertrophied)

↳ Color of scar. (New / old).

2) Swelling.

↳ site

↳ size

↳ Numbers.

↳ Skin overlying $\left\{ \begin{array}{l} \text{Hypo (shiny skin)} \\ \text{Hyper Pigmentation.} \end{array} \right.$

↳ Complications $\rightarrow$ ulceration. $\rightarrow$ Pus discharge

↳ Aneurysms (site, size)

↳ ecchymosis. $\rightarrow$ redness.

↳ Dimpling $\rightarrow$ Needle sticks.

↳ Visible pulsations

③ Arm elevation test.

- ↳ (outflow tract obstruction) ((مقاومة تدفق الدم))
- ↳ ~~the~~ collapse (✓ No obstruction)
- ↳ ~~the~~ Not collapse (there is obstruction)

② Palpation :-

- ↳ soft / Hard
- ↳ compressable / Not
- ↳ Pulsating / Not
- ↳ Thrill / Not

↳ Augmentation test. → ((تقوية)) ((inflow tract obstruction))

(Proximal) ← (3-5cm) ← Scar ونبض عن
بط ايدى على ال Scar ونبض .
(↓ Thrill / ↑ Pulse) → و نجس ؟

⑧ Auscultation :-

- ↳ Continuous low Pitched machinery murmur.

✗ ✗ ✗ ✗

✱ Inspection ال (الف) ال ✱

There is tortuous swelling about 20 cm in length along Lt arm from cubital fossa to shoulder.

associated with 2 aneurysmal dilatation &

skin over aneurysm show Hypo + Hyper pigmentation
there is multiple dimpling in the site of needle
insertion. & No ulceration, No ecchymosis, No pus
discharge & No redness.

End stage kidney disease on hemodialysis by
Brachiocephalic fistula. & complicated by Multiple Aneurysms
② outflow / inflow obstruction / Not complicated

Diagnosis :-

* Graft Nephrectomy . (حالة إزالة الكلى بعد زراعة)

لـ علة أخرى كمان لو كان موجود :

→ • Multiaccess failure

لو المريض عامل fistula في أكثر من مكان أو في الـ
Both upper limbs.

الأعراض المحتملة تنال :

① Fistula Complications.

② Signs of fistula maturation = rule of 6.

③ Cardiac examination (إلى القلب)

+ باقي الأعراض التي أتت أو انشروحت .
خلال الروا .

④ Target Hgb level in CKF ? (10-11.5)

⑤ PTH level Target (2-9) upper limit.