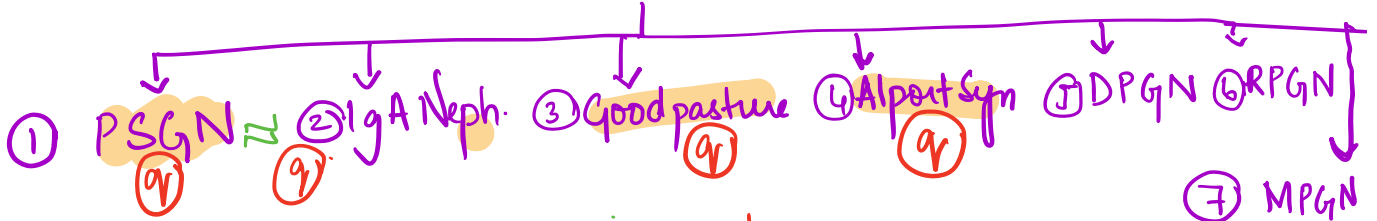


Nephritic Syn

- ① Hematuria
- ② RBC casts
- ③ Proteinuria - ($< 3.5g/day$)
- ④ HTN

NS



① PSGN : Children (3-12yrs).
① Post PHARYNGITIS*

MCC

- URT! ✓
- Skin Infection

steep inf!

C/P : COLA COLORED URINE

① AGE : Prognostic factor

- antiDNAase B - ↑

elderly - Worse Prognosis
Child - Resolve

HTN
R

↓ C₃ ①
N₄

EM - Lumps/Bumps

IF = IgG | IgM | C₃

IgA Nephropathy : young adolescent (M) 20-30 yrs
 : Asian ✓
 : gross hematuria - (1-2 days) URT.
Symptomatic ↓
 1-2 days
 : After GI inf. ✓
 : Stimulus encrises ✓

↑ s.r. IgA levels. (50%).

(N) C3 & C4.

IF : Mesangial IgA deposits . | IgA → RPGN / ESRD.
 ↓
 (Bad prognosis)
EM : Mesangial IC deposits

- ① IDA
 ② Red sputum
 ③ Red Urine

③ Good Pasture

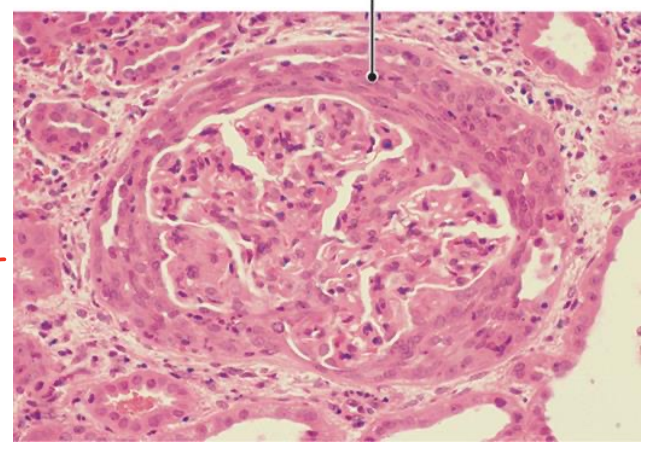
hematuria (Renal) hemoptysis → Sputum
Pulm.

*hemorrhage filled macrophages

Ab against GBM

IDA

Crescent of proliferating epithelial cells



Linear IgG along GBM ←

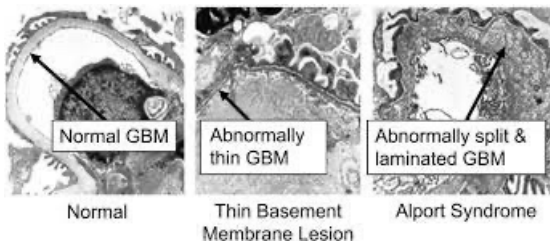
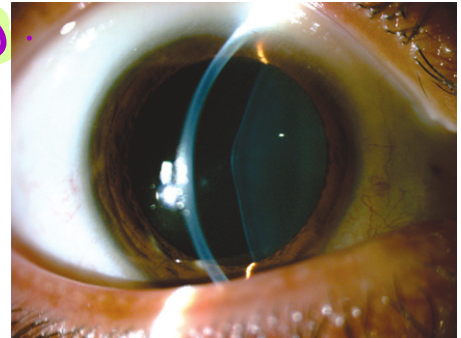
④ Alport Syn.

(XLD) → Boys.

- ① kidney -
- ② eye -
- ③ ear -

(LP):

- ① high frequency hearing loss (SNHL).
- ② Ant lenticonus.



* Basket weave appearance.

DPGN

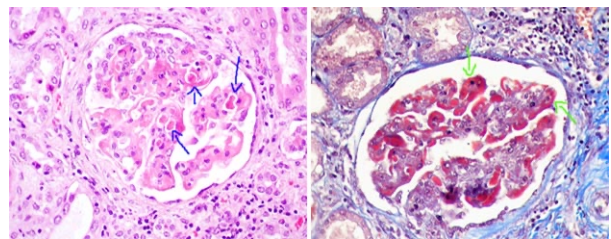
• SLE (severe) → Nephritic → anti Ds DNA.

• AI

• Inf.

• Inflammatory.

(↓C3)



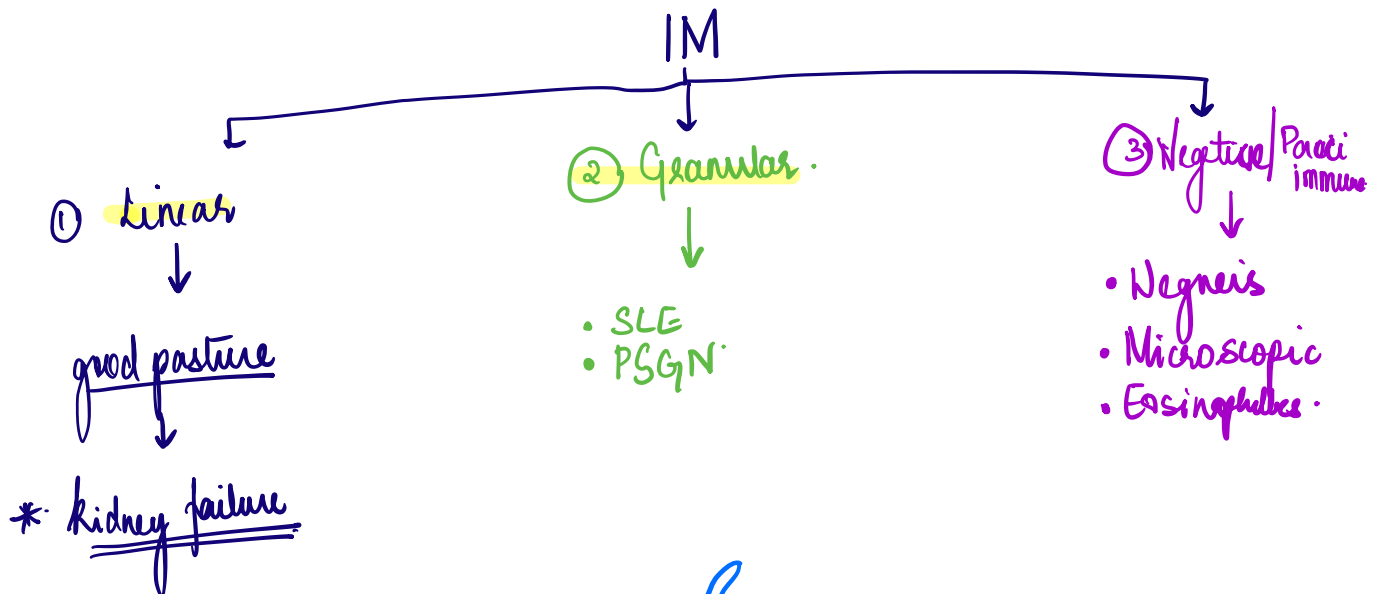
LM: wire loop thickening of glomerular capillaries.
↑ glomerular cellularity.

EM: granular appearance.
subendothelial deposits C3 & IgG.

BAD PROGNOSIS

① RP GN
[60-80yrs]
↓
ESRD

Rapid ↓ Renal fx.
↓
[RP GN] days-weeks



im: crescent formation. (

MPGN
Nephrotic Nephritic

Type I = Hep B & Hep C
= Tram tracks

Mixed Cyoglobinemia

Type II: C3 nephritic factor
: dense deposits
: persistent complement
activation

EM: Tram tracks - mesangial overgrowth

↓ C3

- PSGN
- MPGN
- Lupus Nephritis

Nephritic C/P:

- hematuria ← RBC casts
Blood.
- HTN
- pitting edema.
-

Δcis:

- ① U/A: - RBC + Blood casts.
- ② Cr - (↑)
- Bun (↑)
- GFR (↓)
- Renal Bx.

Rx:

- ACEi | ARBs - HTN / proteinuria
- Diuretics.