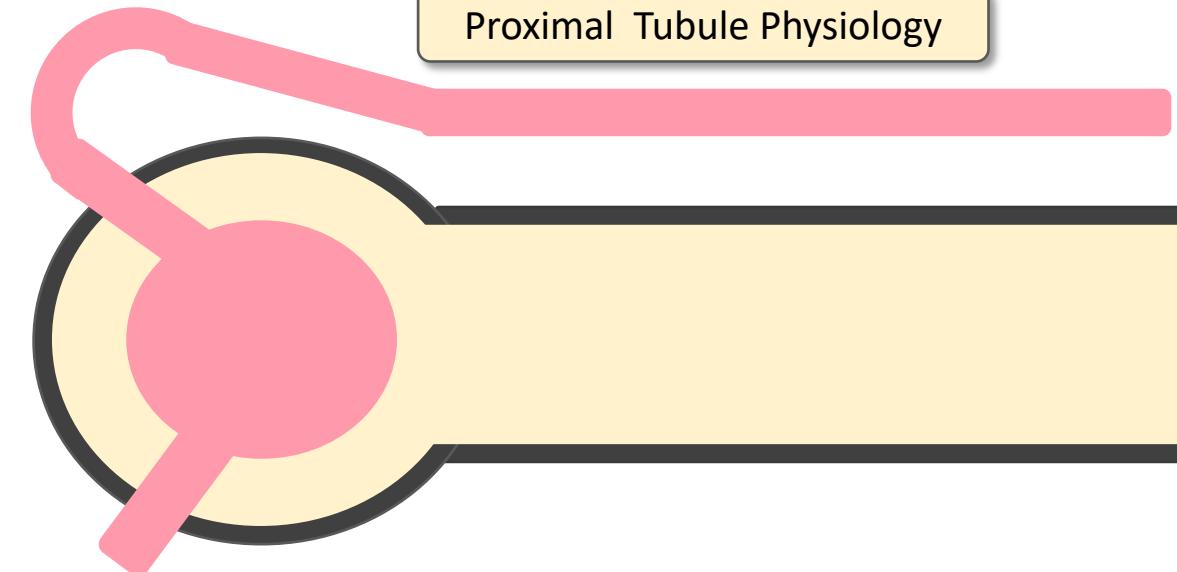
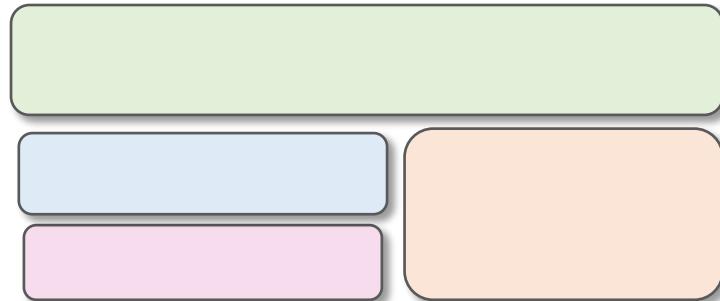


FANCONI SYNDROME & THE PROXIMAL TUBULE



Prox Tubule Functions



FANCONI SYNDROME

Proximal Tubule
MELT DOWN

DIAGNOSIS

AETIOLOGY

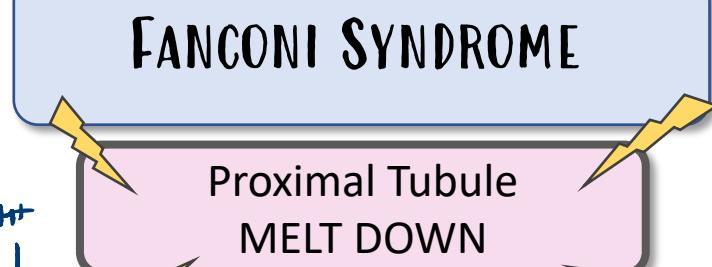
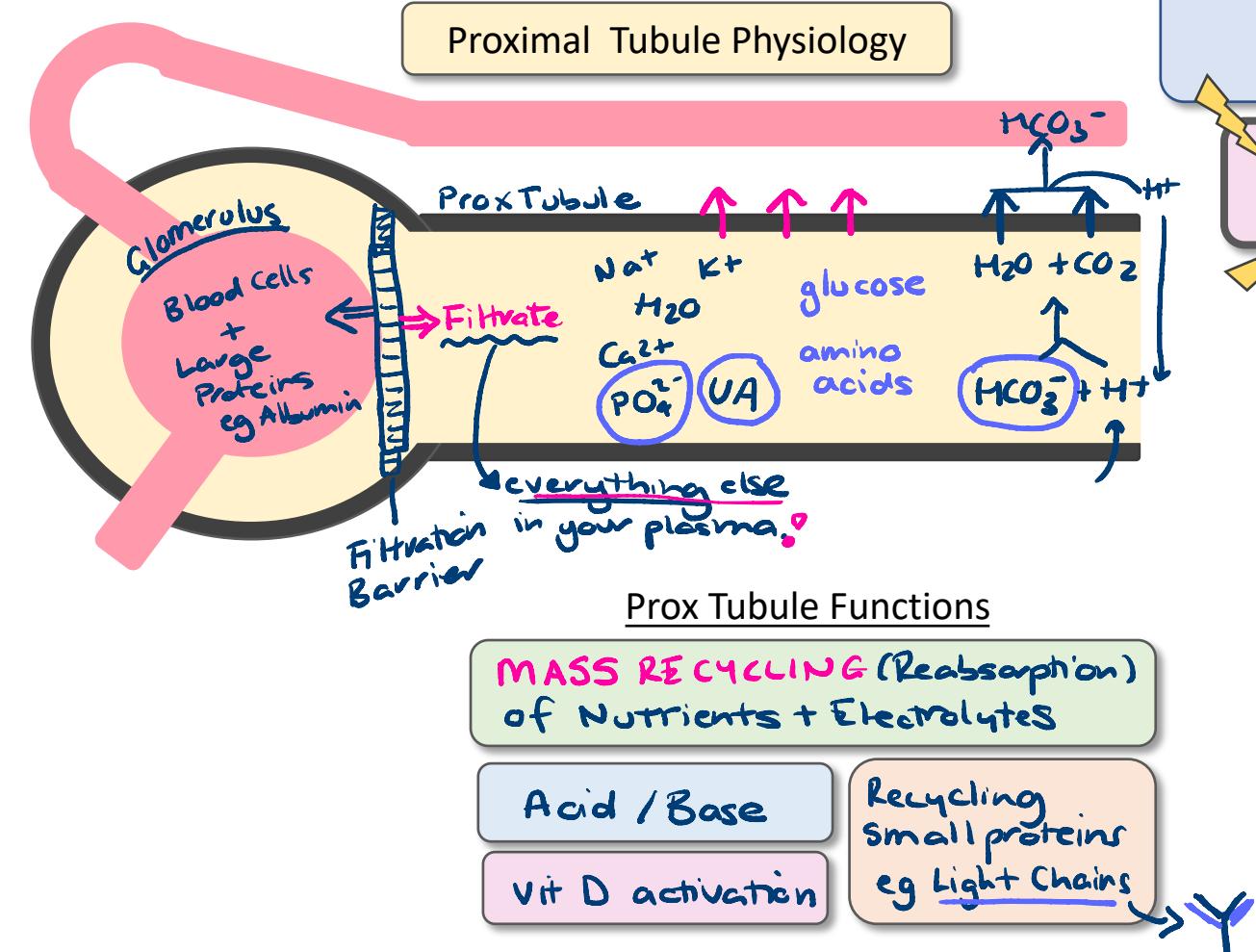
ACQUIRED

HEREDITARY



FANCONI SYNDROME & THE PROXIMAL TUBULE

$\downarrow \text{HCO}_3^-$
 $\uparrow \text{Cl}^-$
 normal anion gap
RTA
 proximal type II
 $\downarrow \text{K}^+$



AETIOLOGY

ACQUIRED

Drugs
eg tenofovir
toluene
Heavy metals
Myeloma
Autoimmune

HEREDITARY

inborn errors of metabolism
eg wilson's Disease
Fructose intolerance + others

low serum phosphate
low serum uric acid.

DIAGNOSIS

glycosuria
amino aciduria

Tubular Proteinuria

↑ Proteinuria but not Albuminuria i.e PCR > ACR