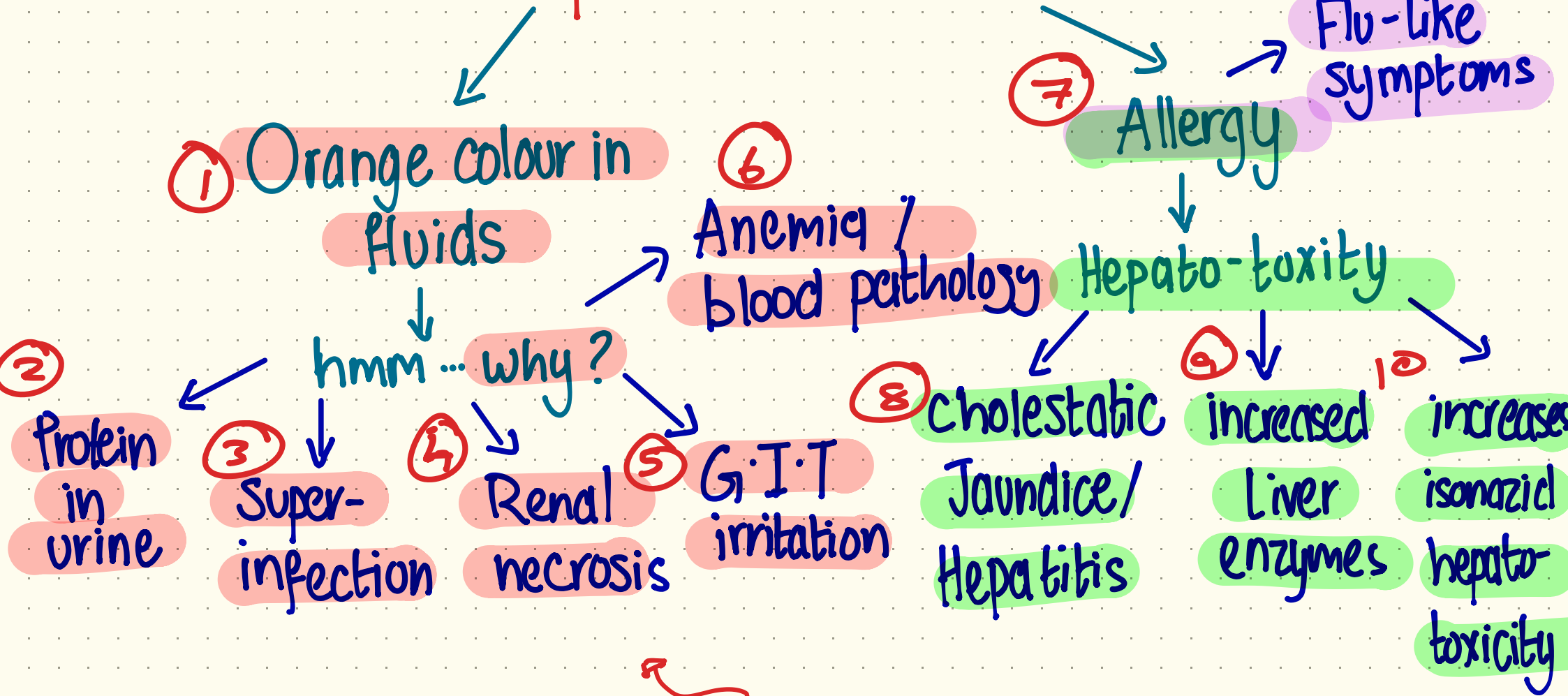
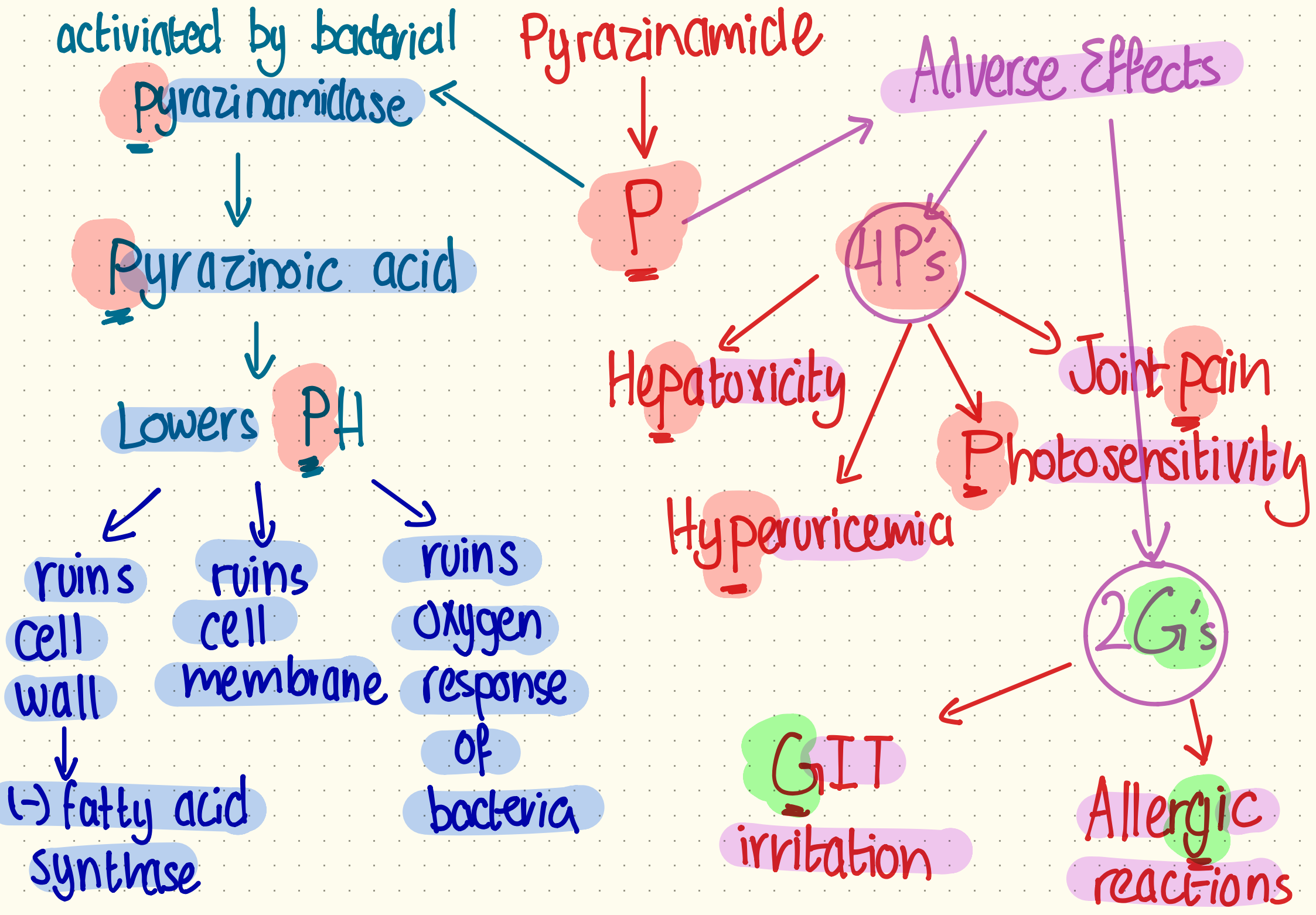


Rifampin - Adverse Effects



note:- I remember the Adverse effects mentioned here by asking myself what could colour our fluids ...? But it's not medically accurate



Ethambutol

Adverse Effects

عشام

عشام متنوع
يسوق

عشام عمرين

inhibits arabinoglycan
by arabinosyl
transferase

Retro bulbar
neuritis
(mixes green
and red)

peripheral
neuritis

Disorientation

GIT
irritation

(+) → Hypersensitivity
Hyperuricemia

50% dose reduction in renal Disease
 $CL_{cr} < 10$

R.I.P.E excretion Liver or kidney?

Rifampin
→ NONE
(Bile)

Isoniazid
Liver

Pyrazinamide
BOTH

Ethambutol
kidney + Bile

Ethionamide

→ Same as isoniazid!



Visual Olfactory Disturbances

Capreomycin

same as Aminoglycosides

1) Peptide

2) (-) Protein Synthesis

Nephro + oto toxic

IM infusion

Cycloserine

inhibits alanine in peptidoglycan

Both Amino acids

سريين
مكتبة

Psychosis, Depression, CNS dysfunction

More toxic than Ethambutol on the kidneys!
50% if $CL_{cr} < 50$

Alternatives (2nd line)

Rifabutine/Rifapentine

→ same as Rifampin but less induction of drug enzymes

New

Both prolong QTc

Bedaquiline

ATP synthase (-)

Hepatotoxic

Neuropathy

Pancreatitis

Pretomanid

Mycolic acid (-)

→ same as isoniazid and Ethionamide

↑ Phosphokinase