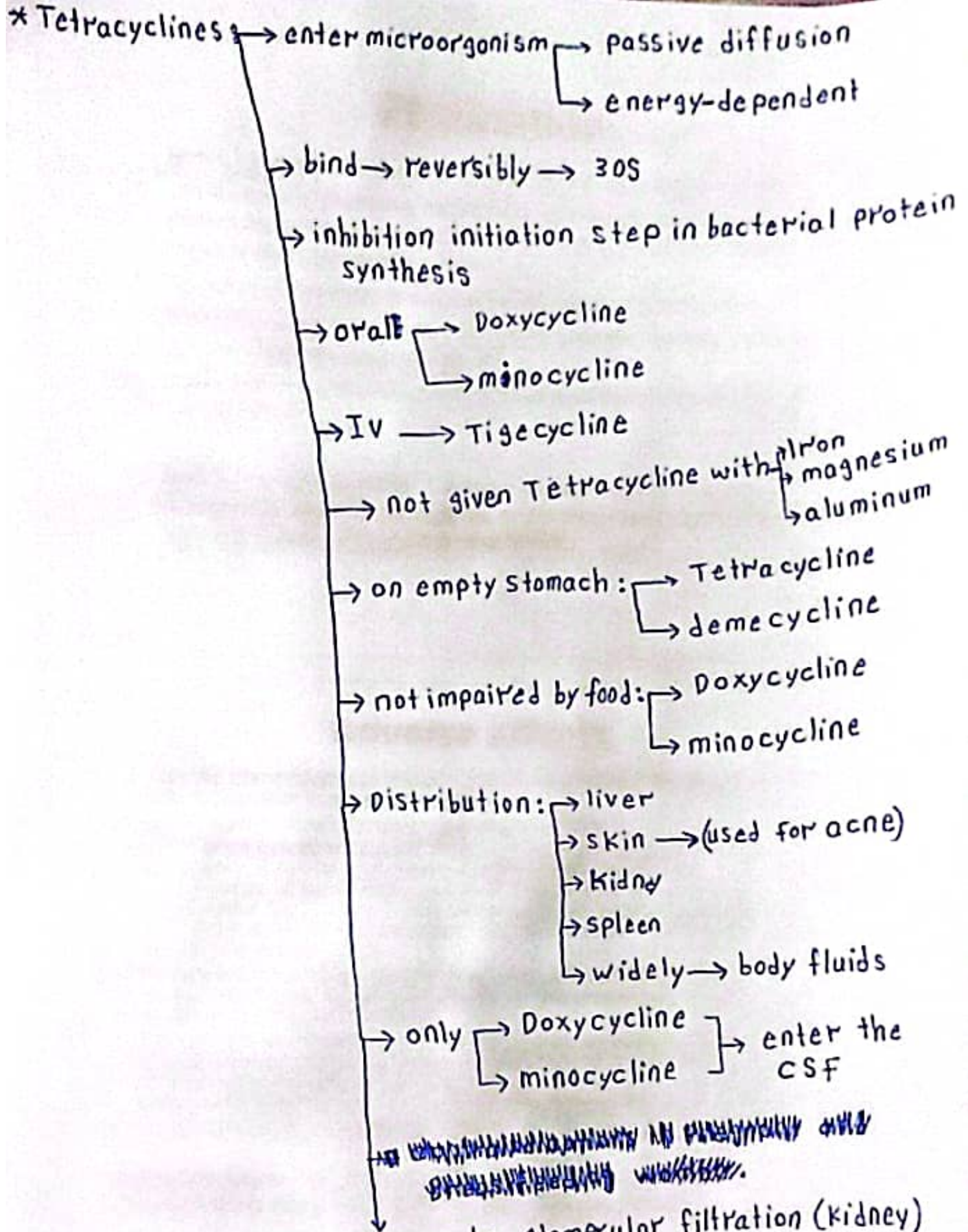




All tetracyclines excretion by glomerular filtration (kidney)
except:

- Tigecycline
- Doxycycline

 → excretion by nonrenal mechanisms (bile)
so ~~it~~ ~~u~~ no require dosage adjustment in renal failure.

③ LYME DISEASE

- Spirochetal infection.
- caused by *Borrelia burgdorferi*.
- Transmitted by the bits.
- تسبب : Skin Lesions + Fever + headache + pain.

MYCOPLASMA PNEUMONIAE ②

- Is bacterium that lacks cell wall.
- لا يملك الدوية التي يتسببها على cell wall ما يثقل عليها

ROCKY MOUNTAIN SPOTTED FEVER ①

- 1- caused by *Rickettsia* (G-ve)
- 2- تسبب :
 - fever
 - chills
 - aches in bones and joints

clinical used Tetracycline

④ CHLAMYDIAL INFECTIONS

chlamydia trachomatis	chlamydia psittaci
sexually transmitted	causes psittacosis which form of pneumonia

⑤ CHOLERA

- infection in small intestine.
- caused by *Vibrio cholerae* (G-).
- which secretes ~~entero~~ enterotoxin that produces :
 - vomiting.
 - diarrhea.

⑥ كبد لا penicillin G في علاج الـ syphilis

⑦ كوقاية من الـ chronic bronchitis

⑧ الاستخدام الأكثر شيوعاً له هو علاج الـ acne

