

Pneumonias

creatinine → creatine



study of muscle mass

> 3-4 days

acute RnF

BUN
Cr

FENa

intensity
muscle (P)

creatinine (P)

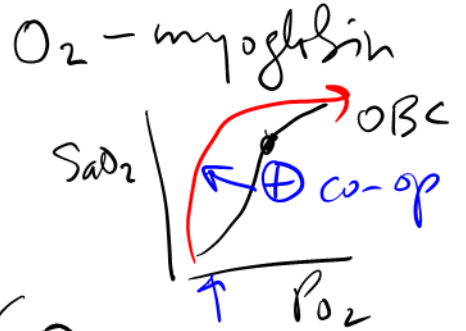
CK

lipocyte
liver (NAFLD)

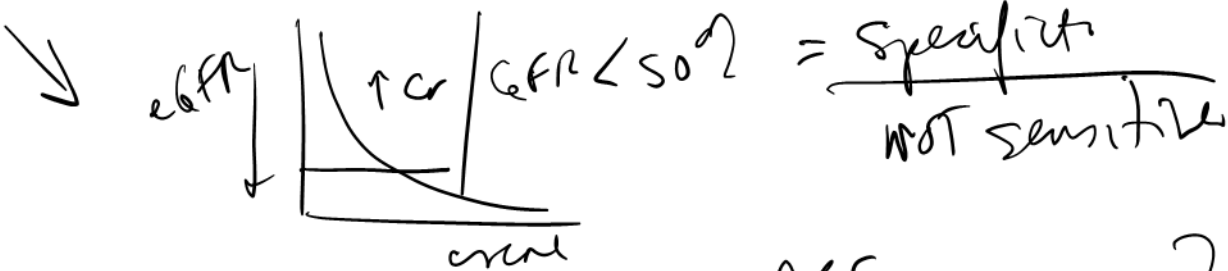
muscle (heart)

CHO

TG



reference range
0.1 - 0.9 mg/dL



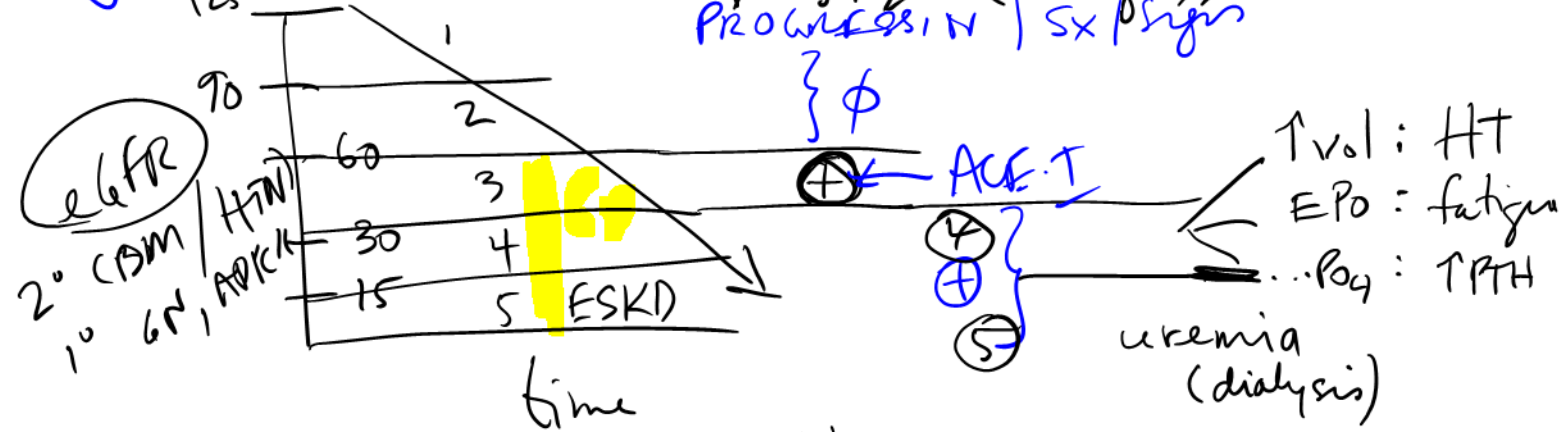
muscle mass

AGE
Gender
Ethnicity
size (weight)
PROGRESSION / Sx / Signs

formula

eGFR

100
125 mL/min



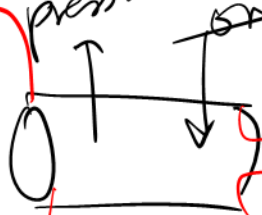
PROGRESSION

eGFR < 60 mL/min

Sustain GFR (< 50% glomeruli)

↑ intraglomerular pressure

NSAID
ACE-I
statin
ACE-I
ACE-I



afferent

ATII

ACE-I FSGS



LUNG

structure / fx n



bronchopneumonia
 • elderly
 • children
 • immobile

virus
 bact/virus

CXR
 steeph

P/E
 stidor

organism
 paratyph



rhochi

multiple
 not pathoz

wheezing RSV

crackles

INFECTION

organism

- bacteria
- virus
- fungus
- parasite

type

- opportunistic
- mechanical
- normal flora
- multiple org

pathogenic

- normal person
- single org
- present



- immunodeficient
- congenital
- acquired

[BACT - Ramp DAMP T/2 20-30']

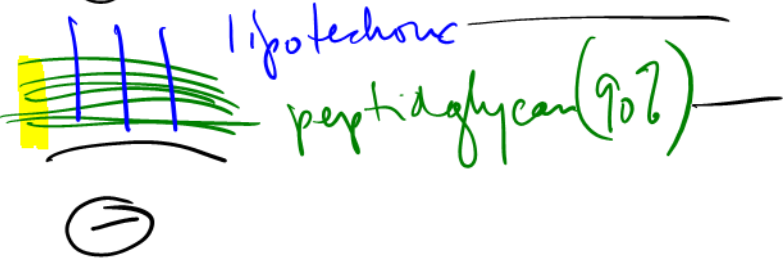
=> INNATE

VIRUS - Ramp DAMP } intracellular => ADAPTIVE



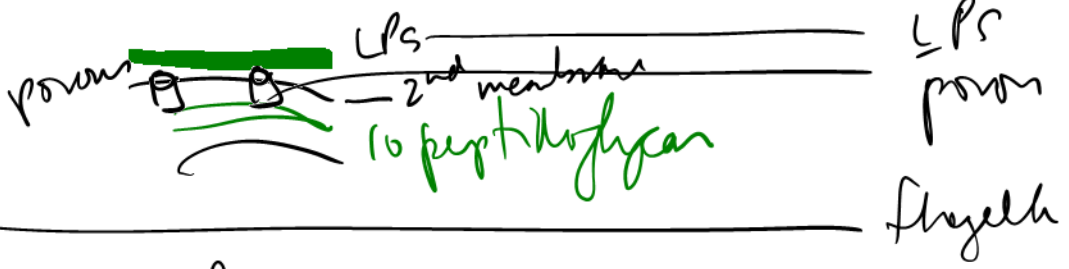
RAMP
 DAMP

cell wall



lipotechoic
 peptidoglycan (90%)

RAMPS

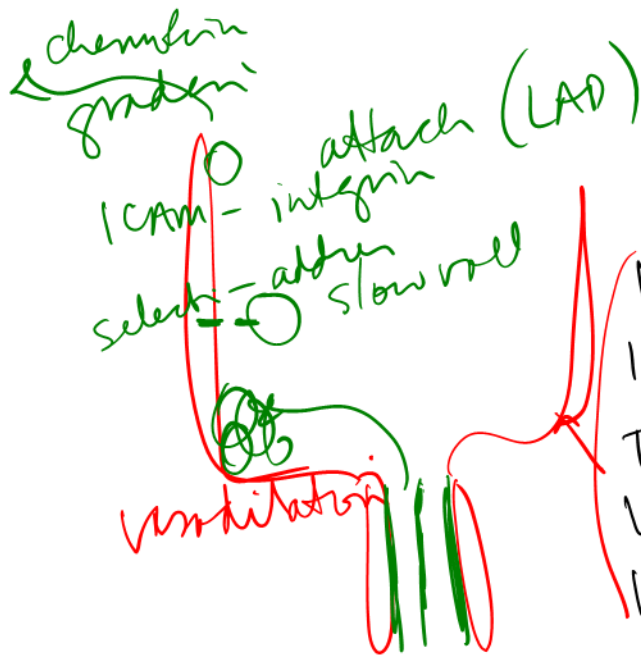


fungus

virus

memos
 viral RNA/DNA
 (intracellular)

IL-8
C3a/C5a
LTB4



PAMP / DAMP



