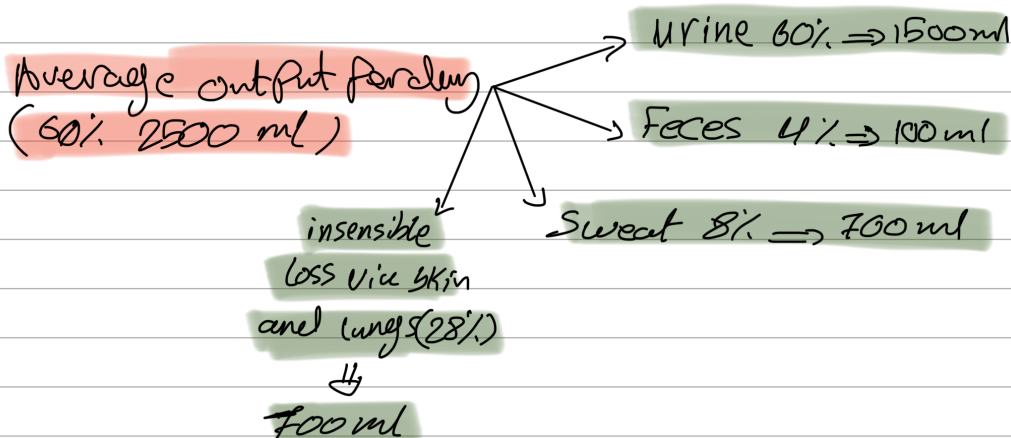
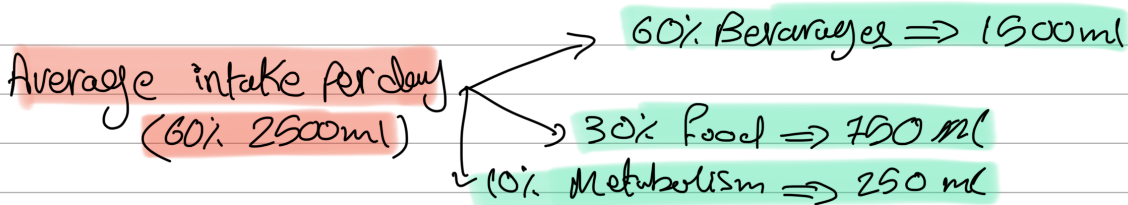
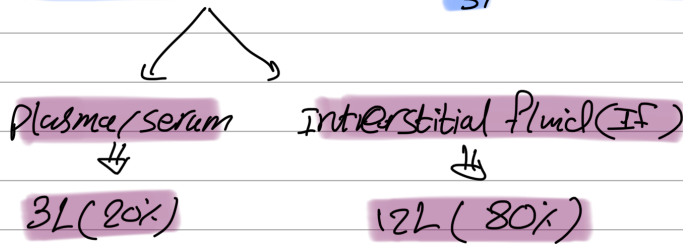


توزيع النسب والأشياء المائية في (body fluid)

- تخزين وقت تناول بس في الأشياء
التي بتخرب أكثر آشي...

#Saja fatayer

- Total body water \Rightarrow 40L 60%
- Intracellular fluid \Rightarrow $\frac{2}{3}$ / 40% \Rightarrow 25L
- extracellular fluid \Rightarrow $\frac{1}{3}$ / 20% \Rightarrow 15L



Sweat \Rightarrow * insensible perspiration amount of sweat to 800 - 1200 ml/dl
 * water content of sweat varies from (99.2 - 99.7)%
 * pH - 4.7 - 7.5

tears \Rightarrow * pH \Rightarrow 7.7 - 6 loss of CO₂
 * protein content 0.6 - 0.18g/dl

(CSF) cerebrospinal fluid \Rightarrow * 100ml formed every day
 * at any time \Rightarrow 120 - 150 ml CSF
 * CSF completely replaced 3 times daily.

according to:	Cow's milk	human's milk
pH	6.6 - 6.8	6.8 - 7.4
specific gravity	1020 - 1030	1030 - 1035
Sweet	less sweet	more sweet
Protein	more protein	less protein
casein	83% in cows milk	25% in human milk
Lipid	(8.5) same amount	(8.5) same amount
Phospholipids (0.1)%	twice that of human	half that of cows
cholesterol 0.01%	higher proportion (free form)	less proportion (ester form)
Lactose	5% less	7% more
Minerals	0.8% more	0.4% less
absorption Ca : P	1 : 2	2 : 1
iron (Fe)	less in cow's milk	more in human milk

* Phospholipid 0.1% \Rightarrow 9 : 5 : 1

\downarrow \downarrow \downarrow

lecithin : cephalin : sphingomyelin

* Na : K in human milk \Rightarrow 1 : 2

Ca : P in human milk \Rightarrow 2 : 1