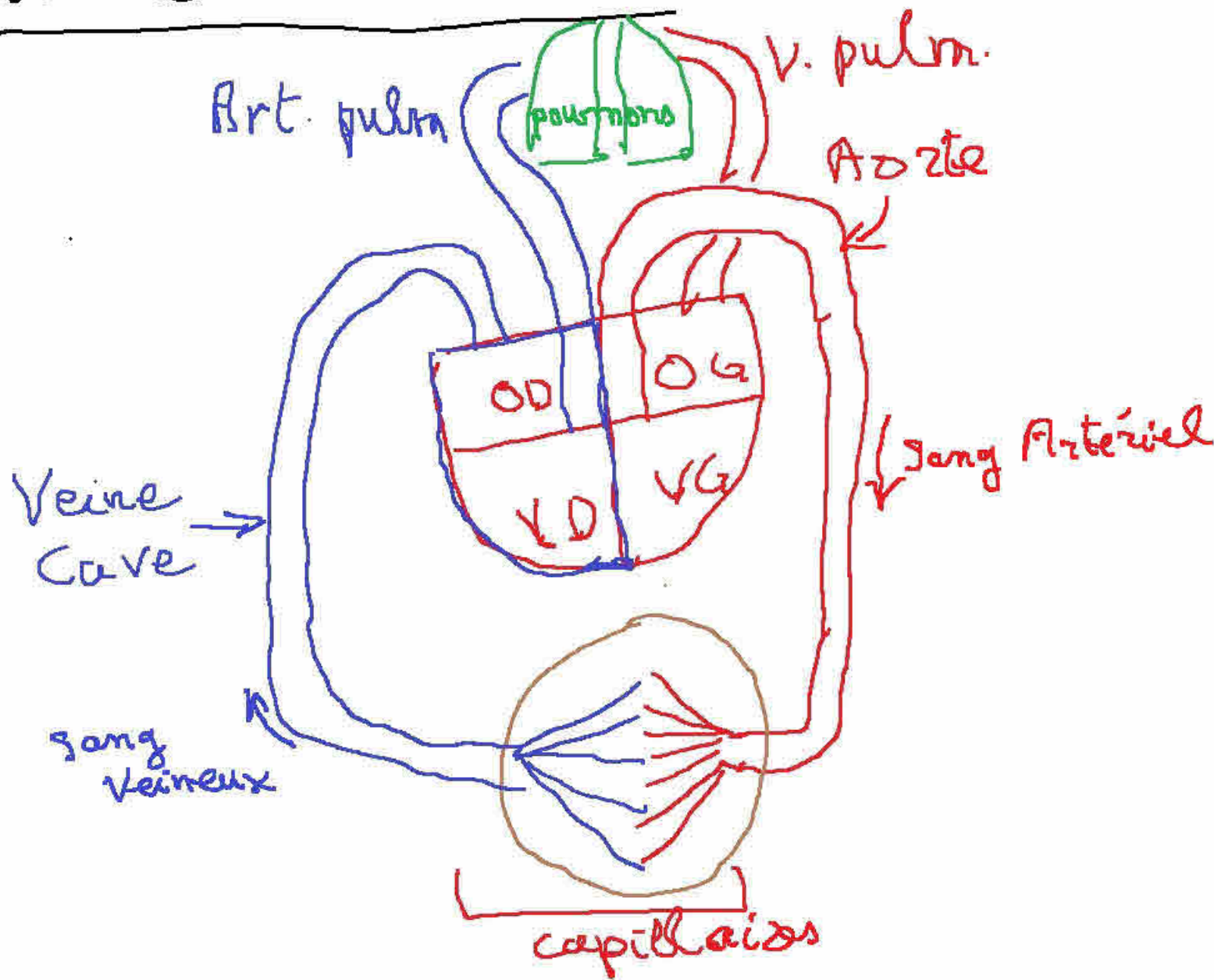


I - Organisation de la circulation

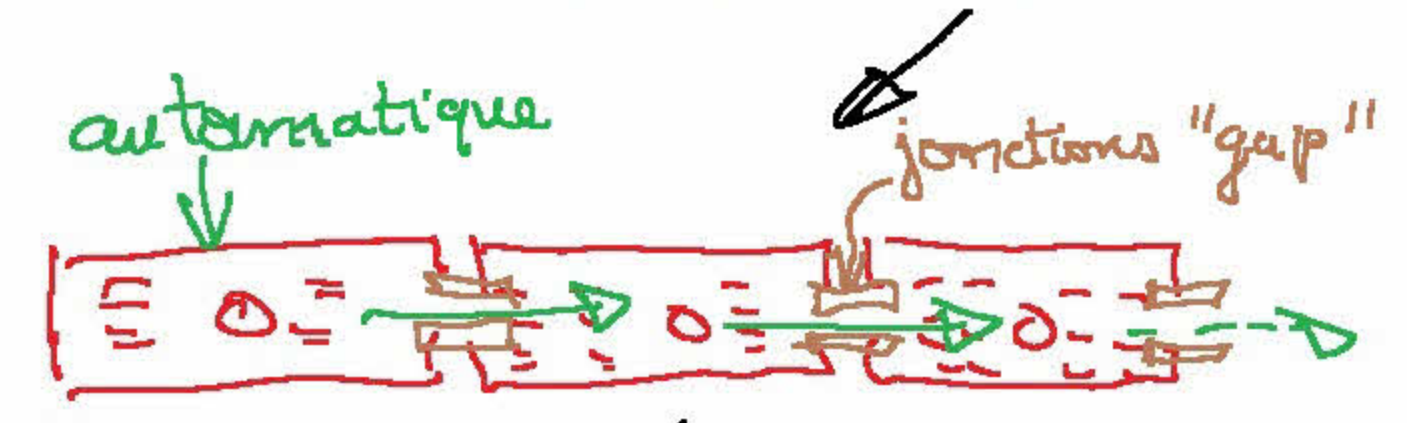
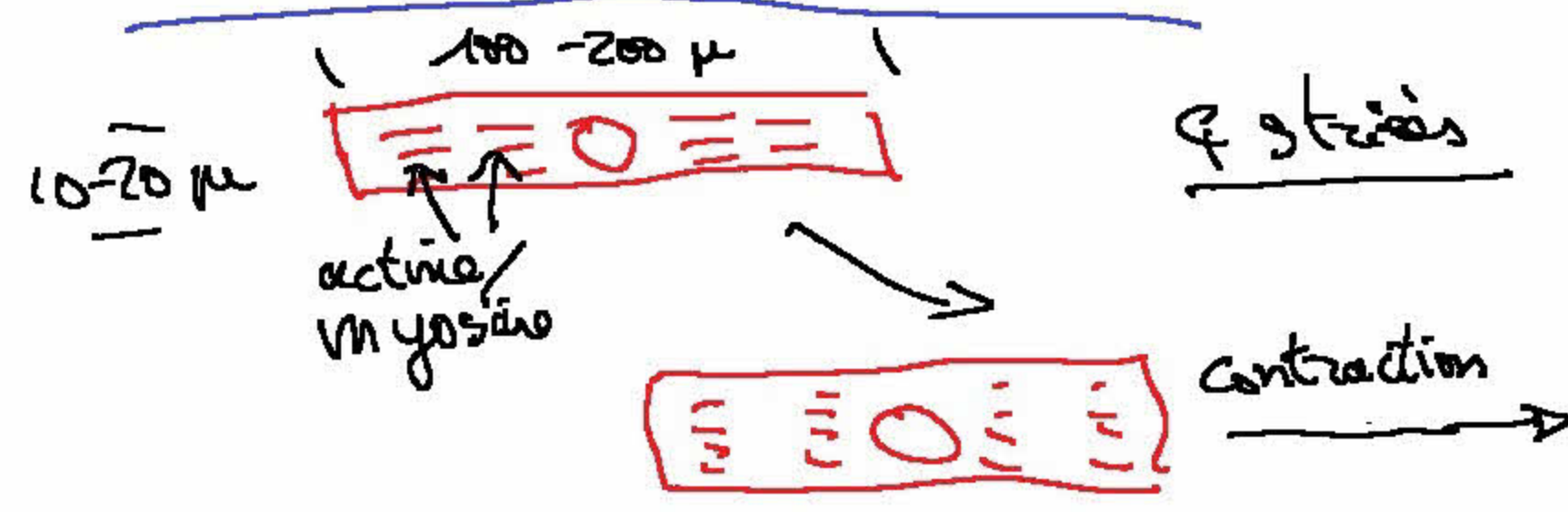
circulation
pulmonaire
("petite")

circulation
systémique
("grande")



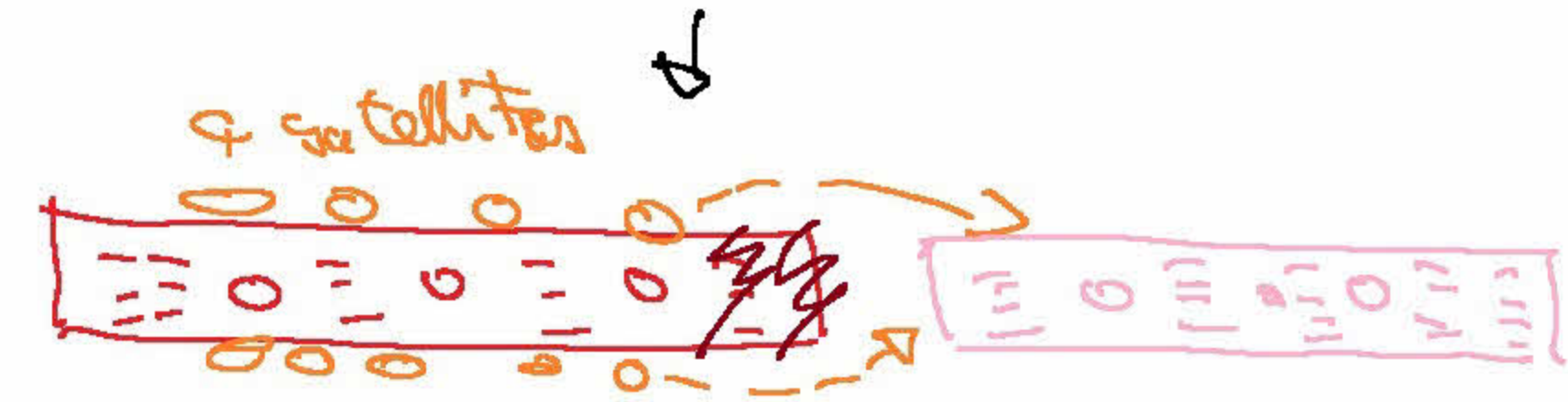
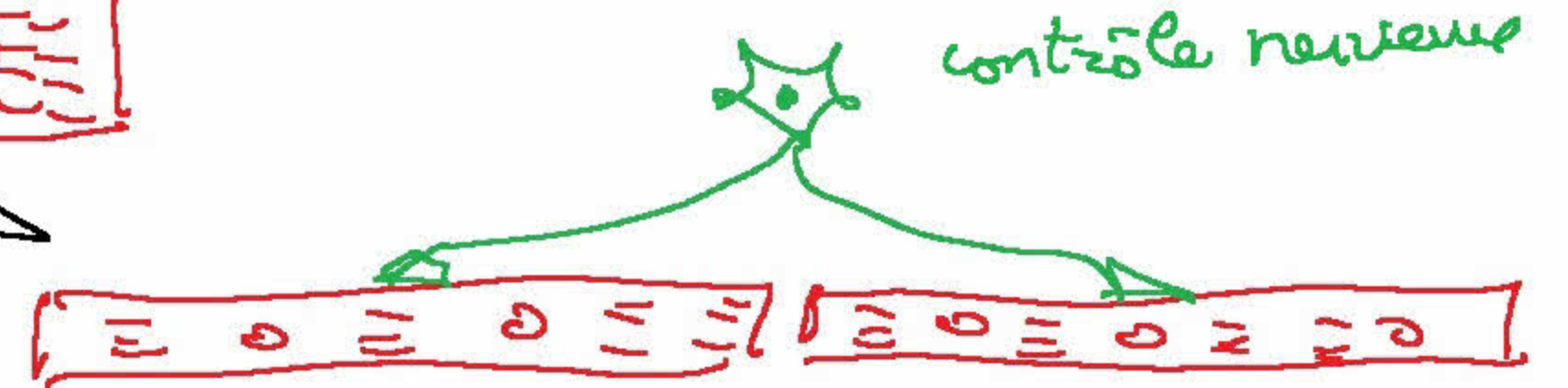
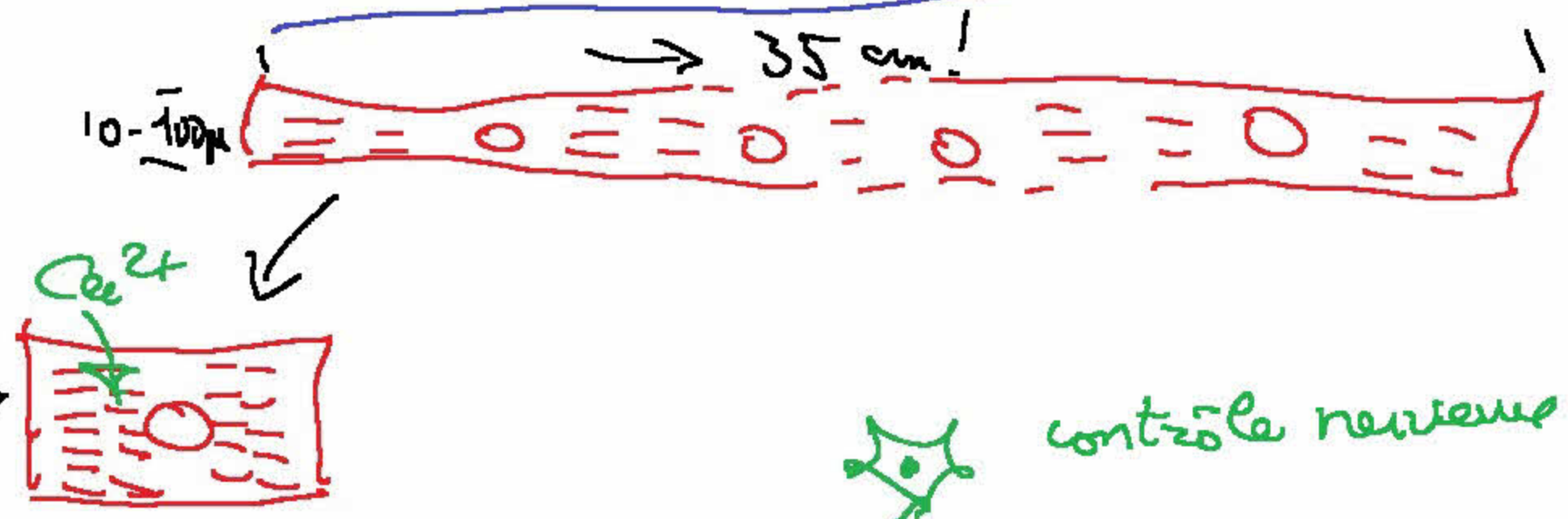
II. Les Cellules musculaires

A. Cœur

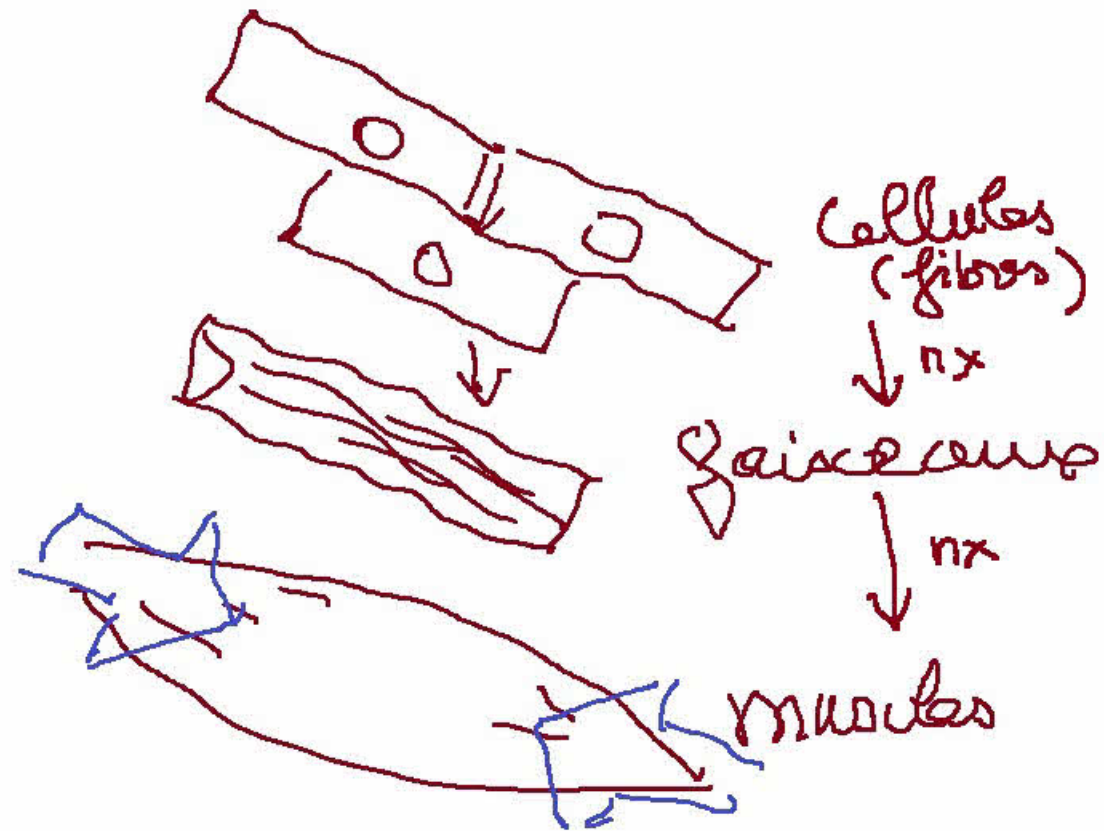


~~Satellites~~ !

B. Muscles



III - Organisation des Cellules musculaires
II - Muscle squ.

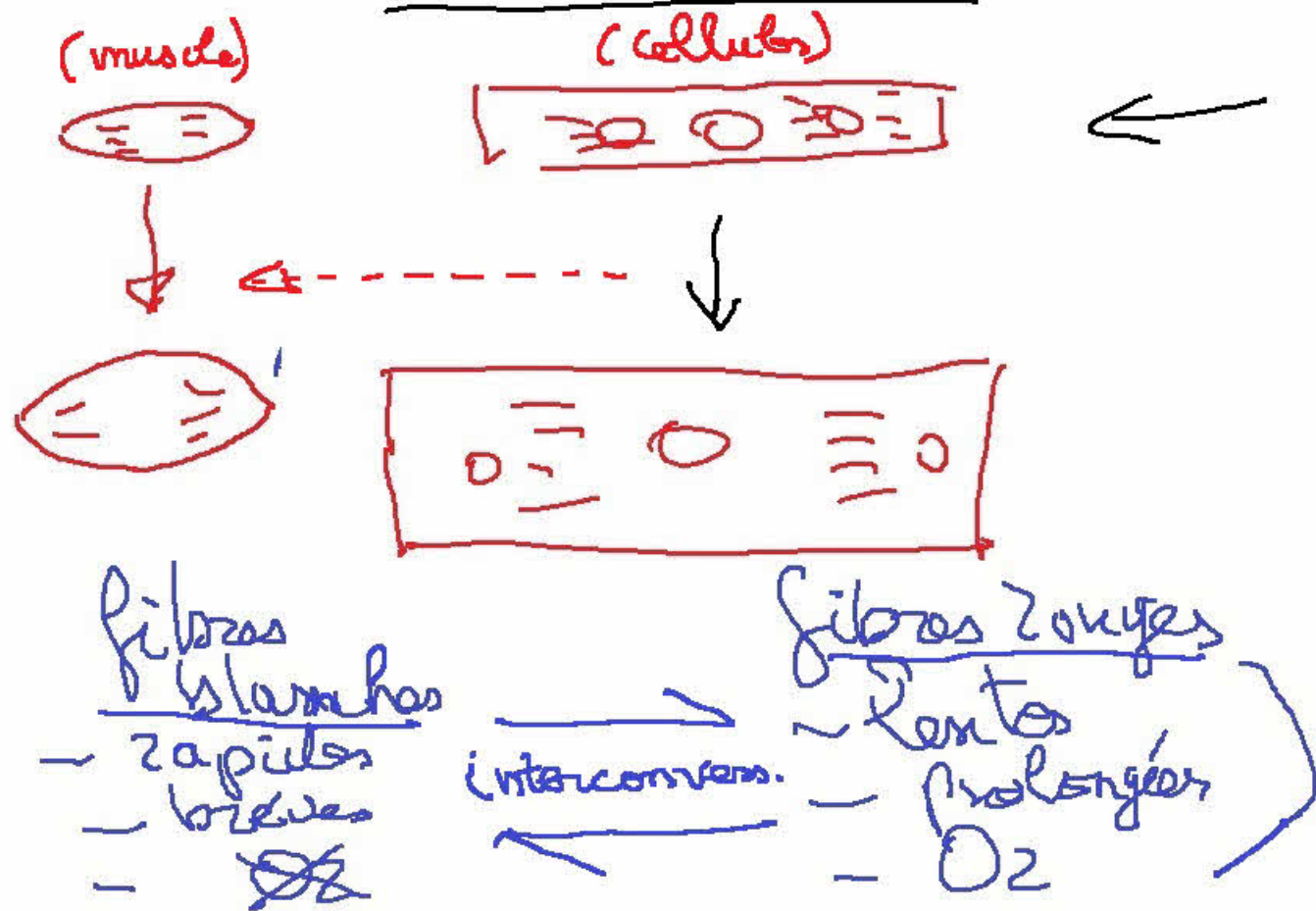


B - Coeur



II - mécanismes d'adaptation

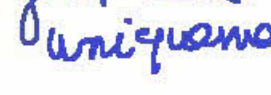
A - muscles sque



↓
hypertrophie

B - cœur

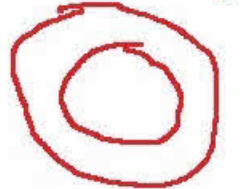
(cellules)



Fibres rouges
uniquement

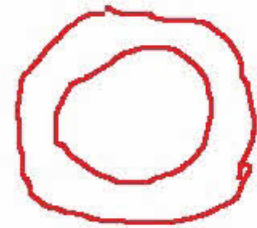
O₂

(cœur)



II- Conséquences de l'hypertrophie

(1) géométrie :

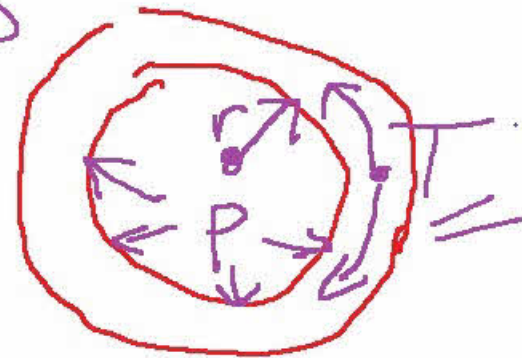


(2) fibrose



élasticité ↓ + conduction ↓ → troubles du rythme

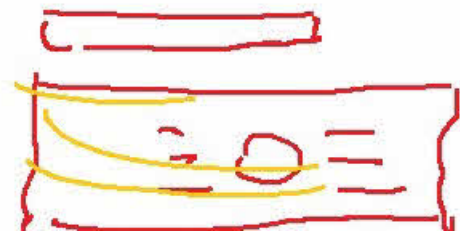
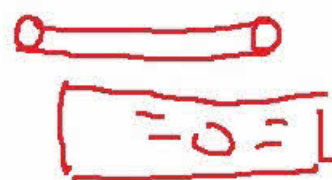
(3) Loi de Laplace



$$T = P \times r$$

(4) perfusion

cap



→ ischémie

VI - Facteurs de l'insuffisance cardiaque

- ① Contractilité du muscle cardiaque
- ② Résistance à l'écoulement (= pression sanguine)
- ③ Valves :
 - ouverture complète (anomalie = sténose)
 - fermeture étanche (anomalie = insuffisance)