



Je suis illustratrice spécialisée dans le domaine médical depuis 1997, année de l'obtention de mon Diplôme Supérieur d'Arts Appliqués en Illustration (École Estienne et Faculté de Médecine du CHU Pitié Salpêtrière).

Mon travail consiste à créer des images didactiques à partir de documents (croquis, photos, textes...) souvent complexes, dans les thèmes médicaux tels que l'anatomie, la chirurgie, les pathologies, la biologie cellulaire. Je dois avant tout bien comprendre et analyser la demande du client pour ensuite la traduire et la synthétiser sous une forme graphique juste et attrayante.

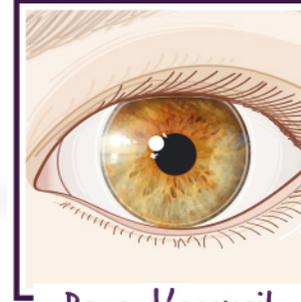
J'exerce en profession libérale et crée des illustrations pour des éditeurs, des médecins, des agences de communication santé et des laboratoires pharmaceutiques.

@CONTACT

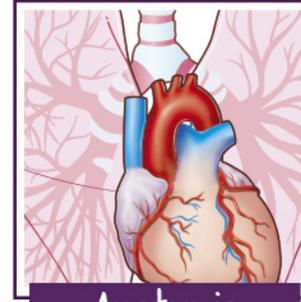
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BOOK EN LIGNE

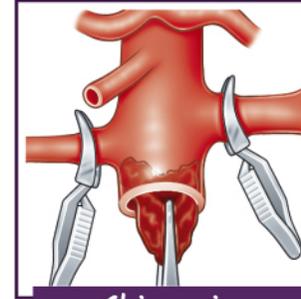
# Illustration médicale & scientifique



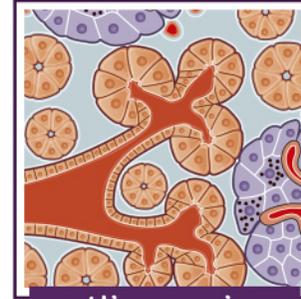
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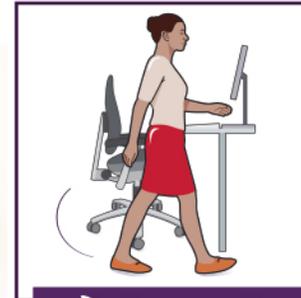
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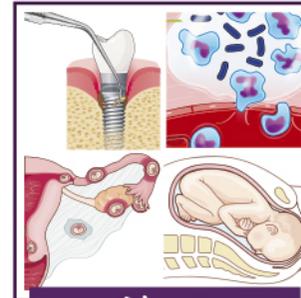
Chirurgie



Microscopie



Personnages



Divers

**Carole Fumat**

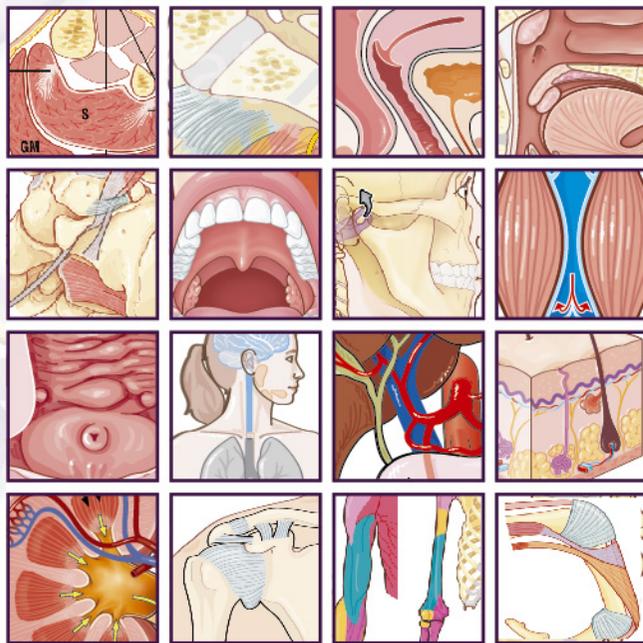
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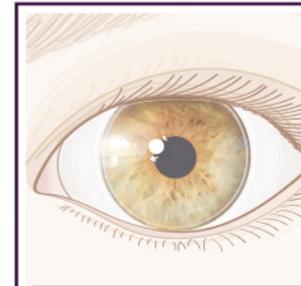
c.fumat@wanadoo.fr

Dernière révision du site en octobre 2024

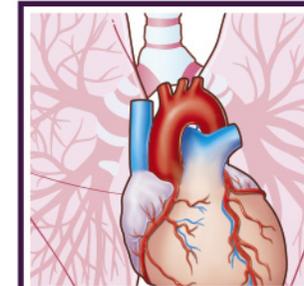
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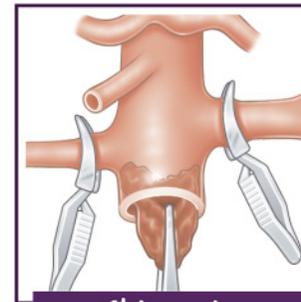
# Illustration médicale & scientifique



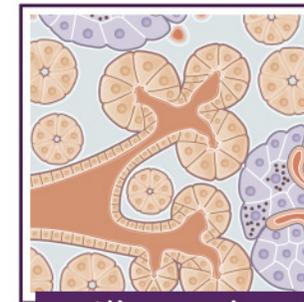
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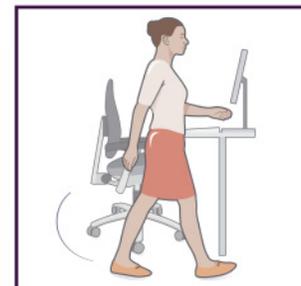
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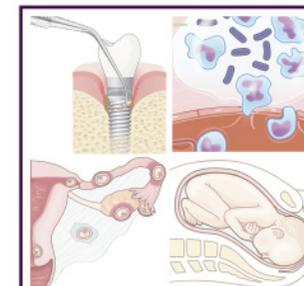
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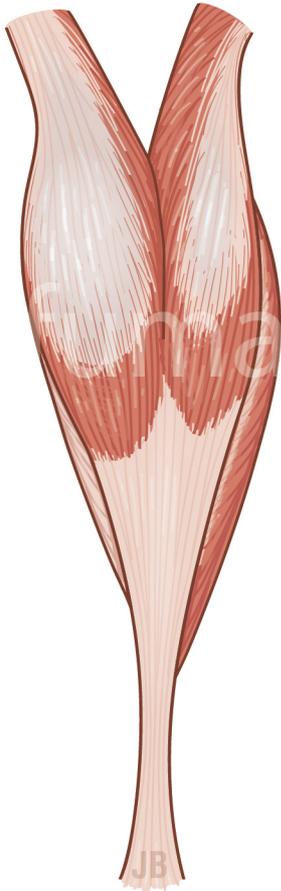
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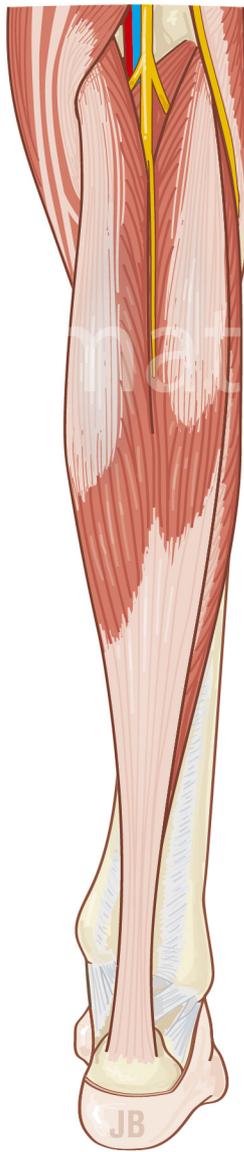
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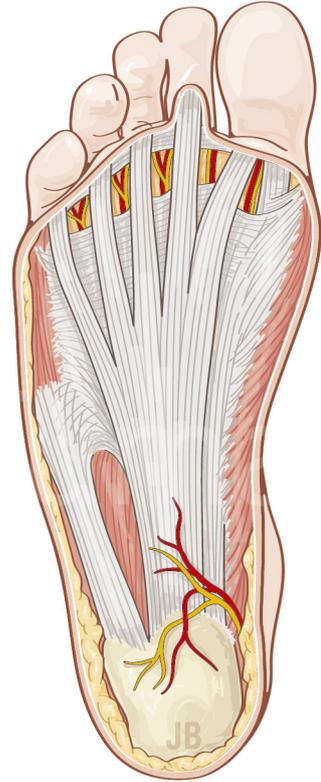
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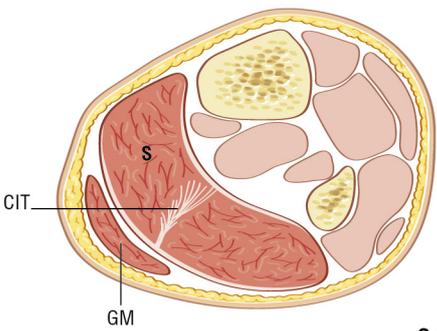
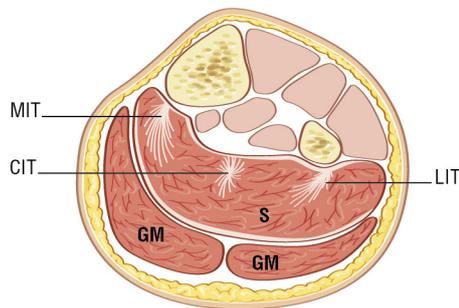
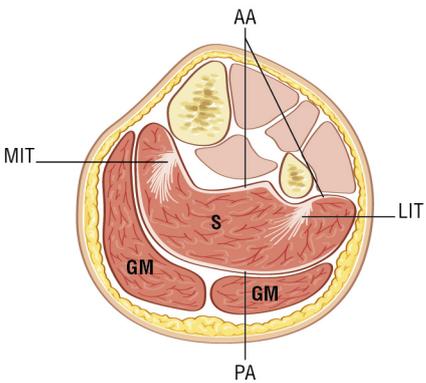
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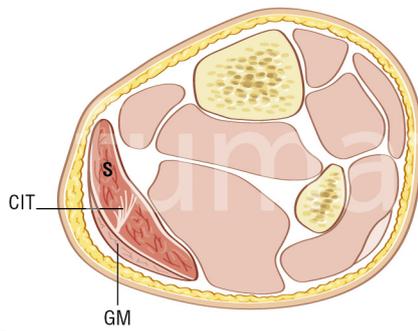
Dr Beldame



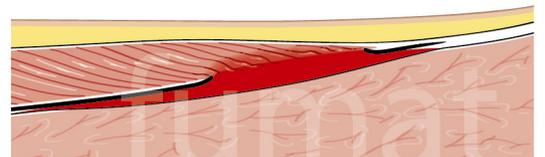
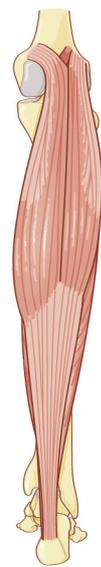
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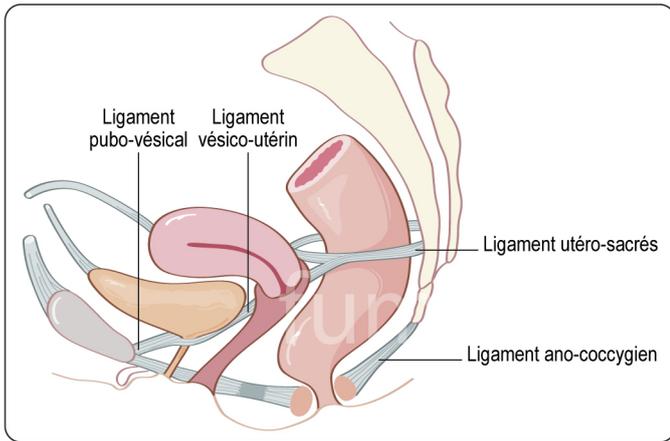


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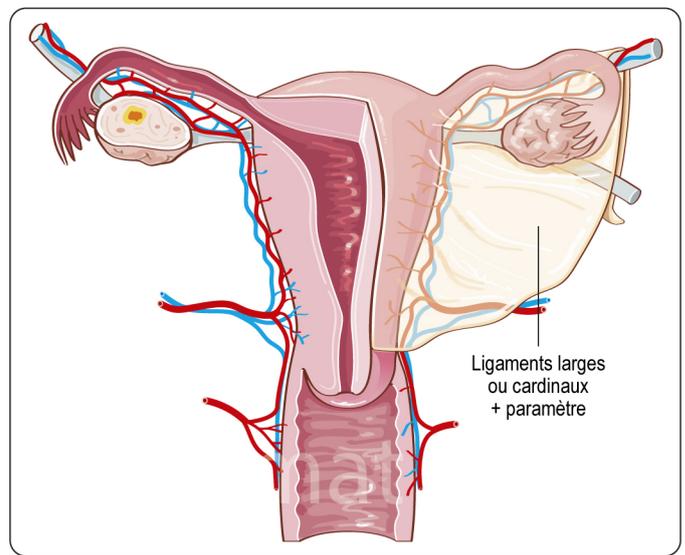


Dr Meyer

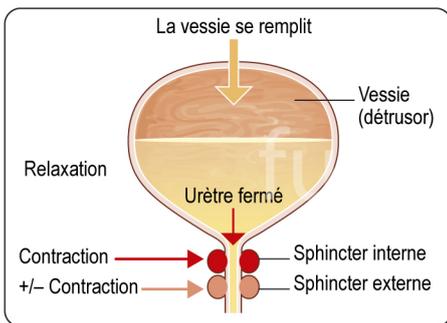




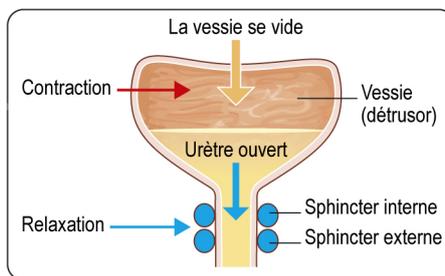
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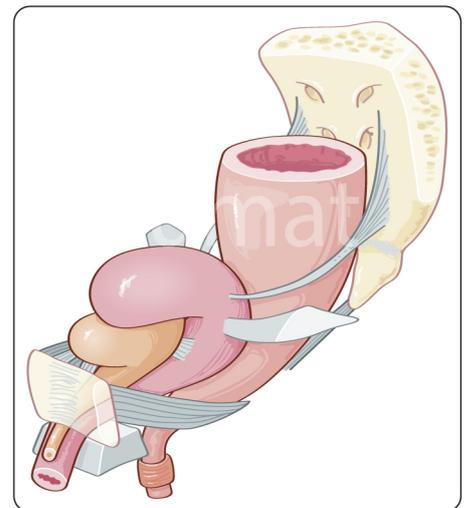
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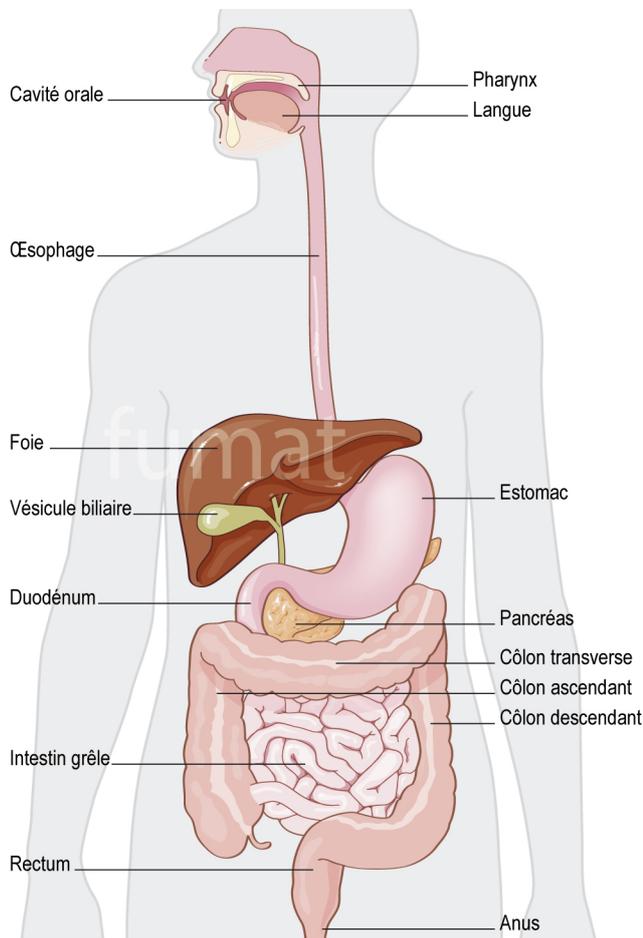
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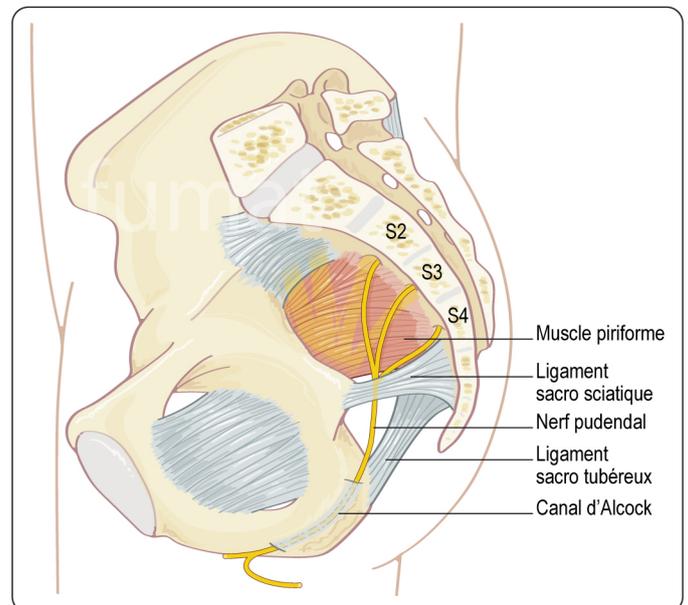
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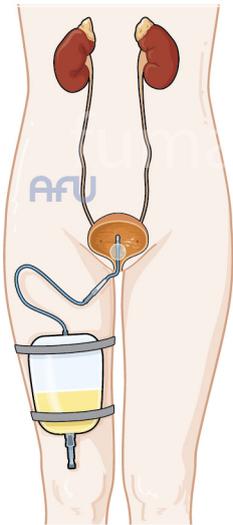
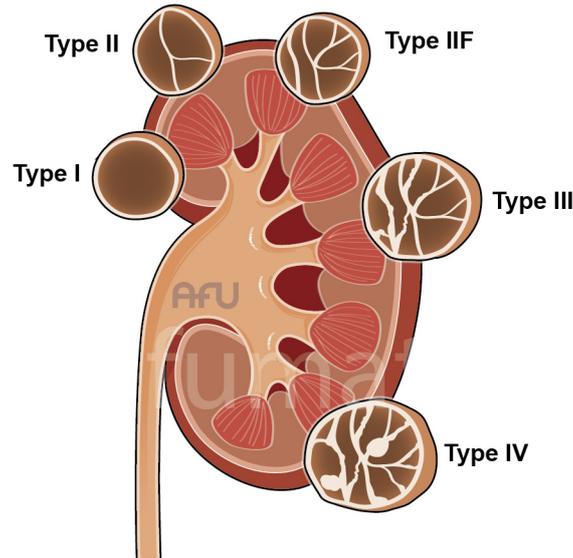
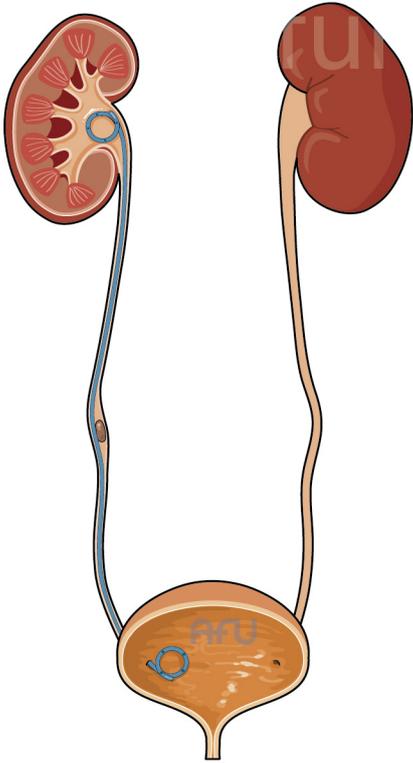
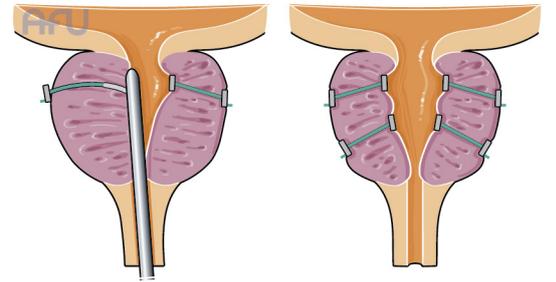
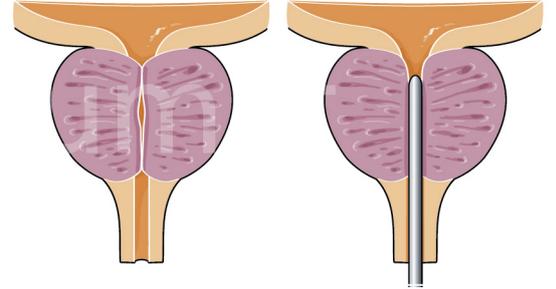
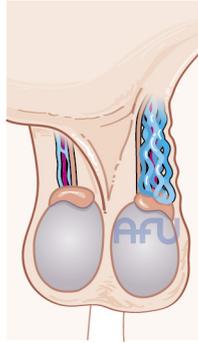
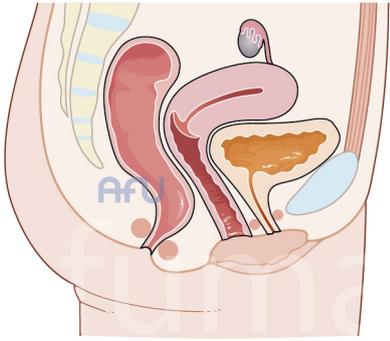
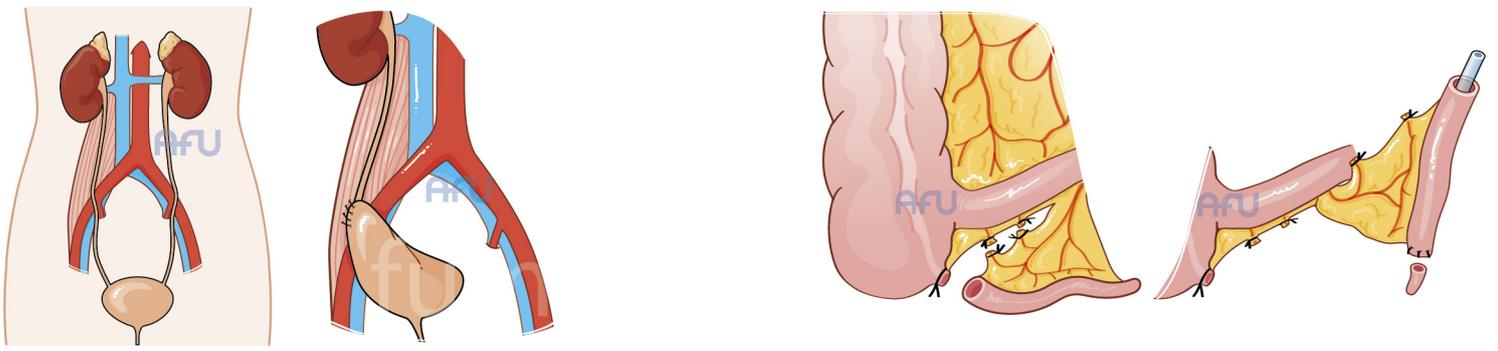
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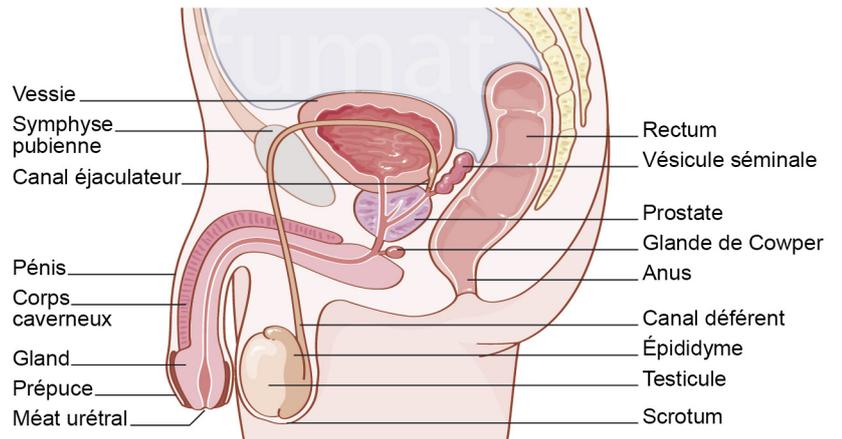
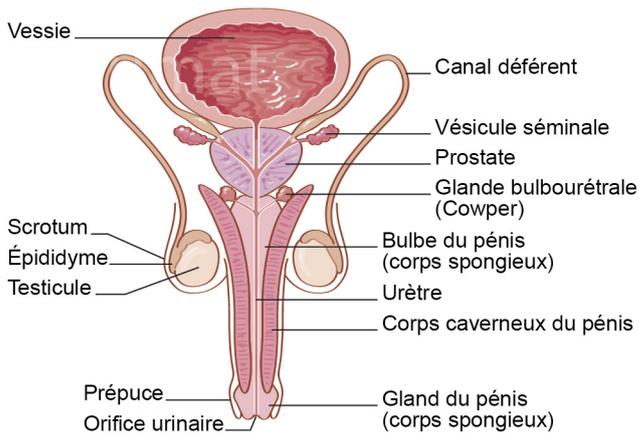
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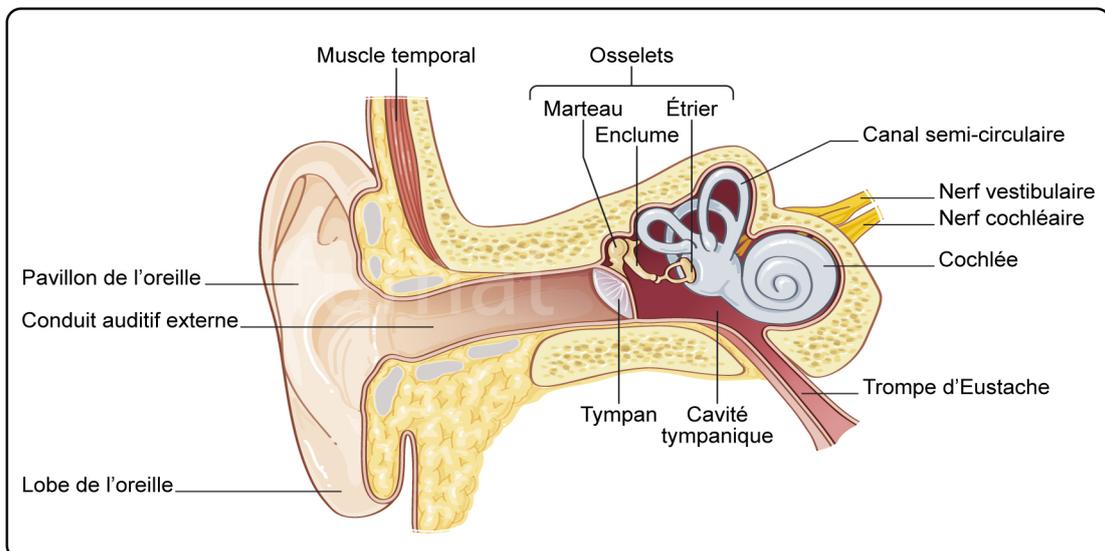
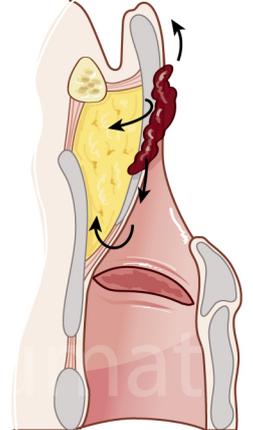
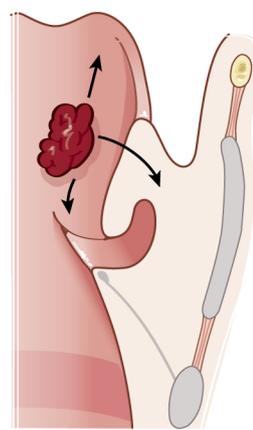
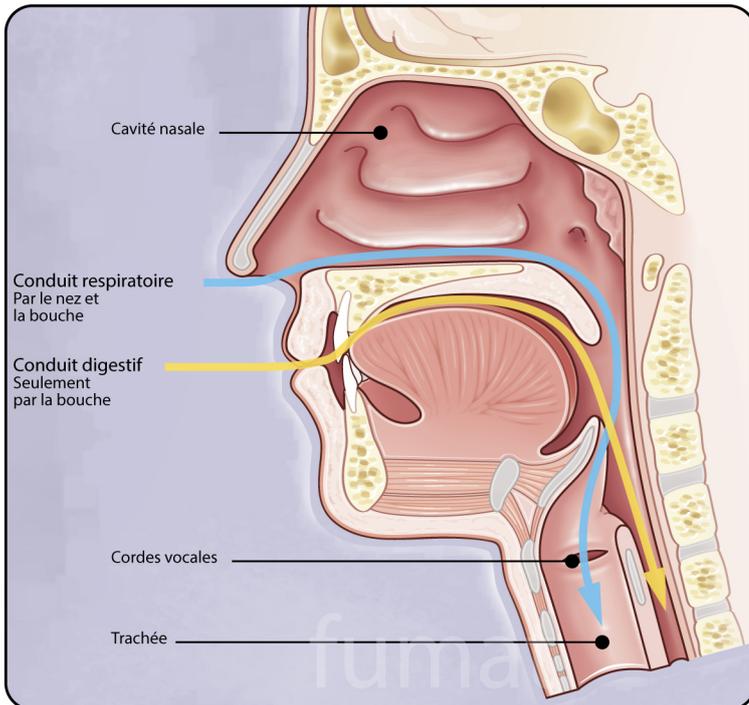
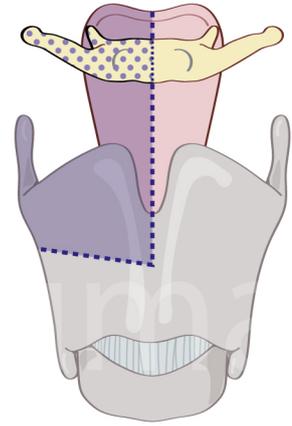
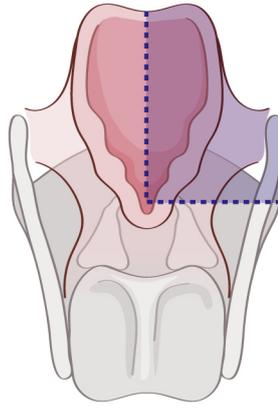
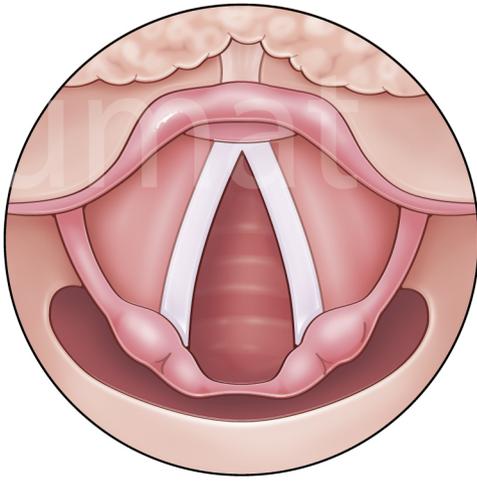
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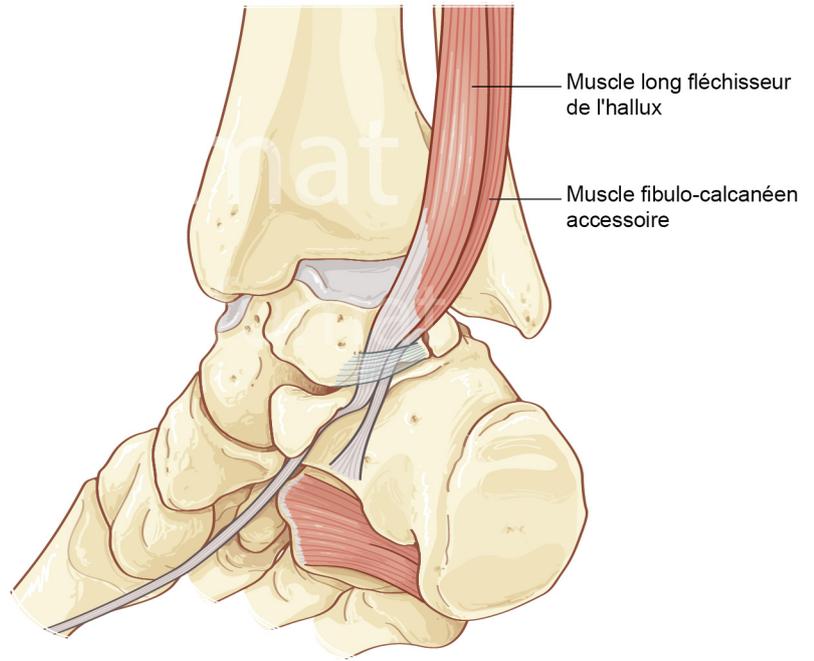
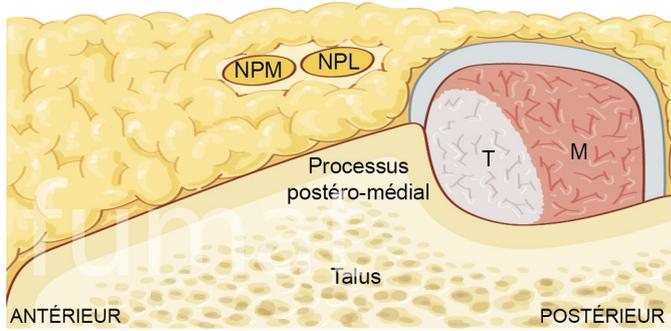
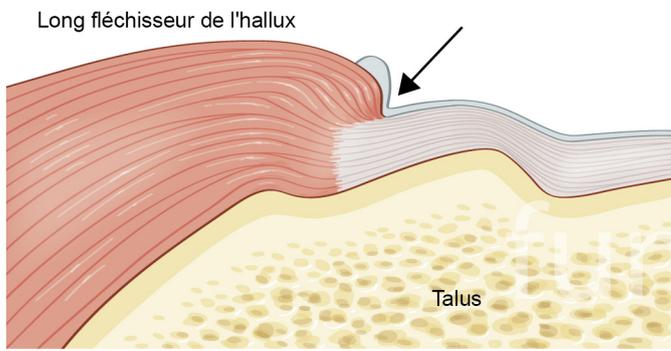


Association française d'urologie

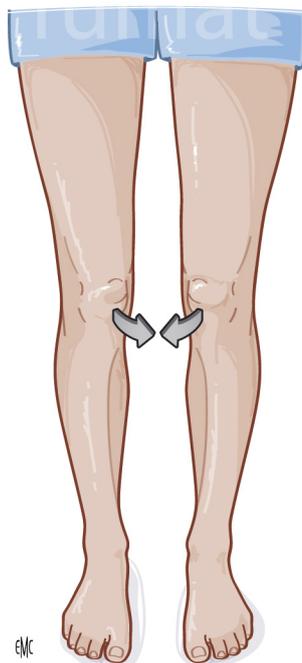
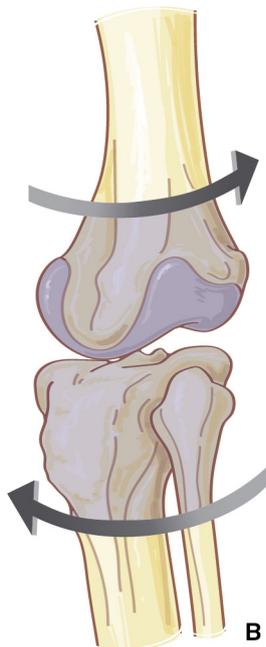
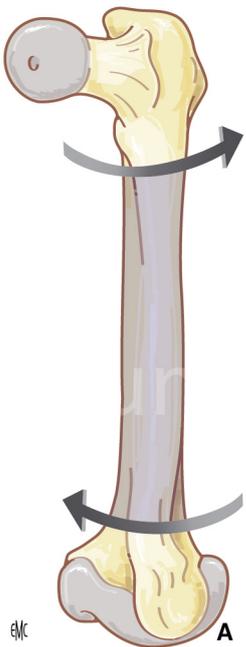
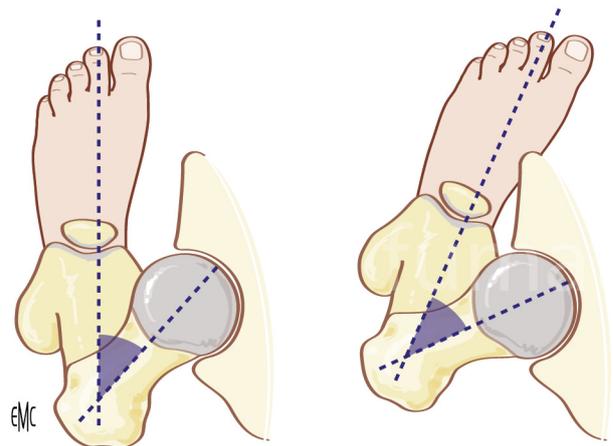
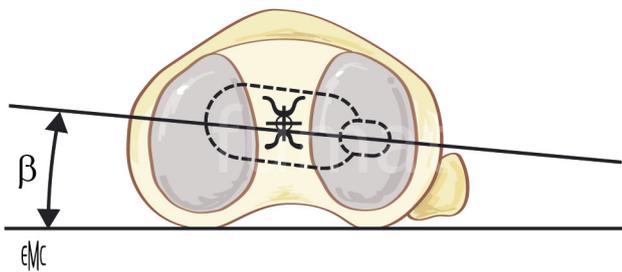


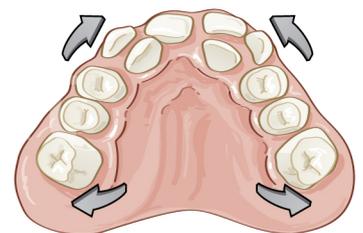
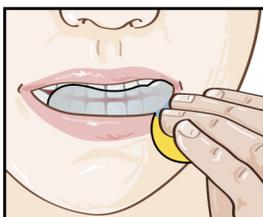
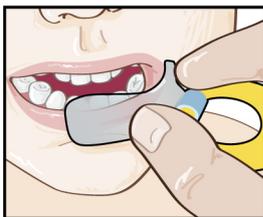
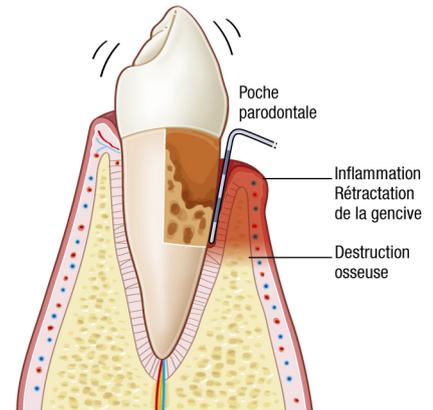
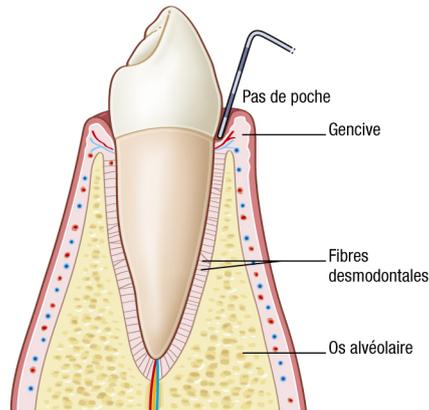
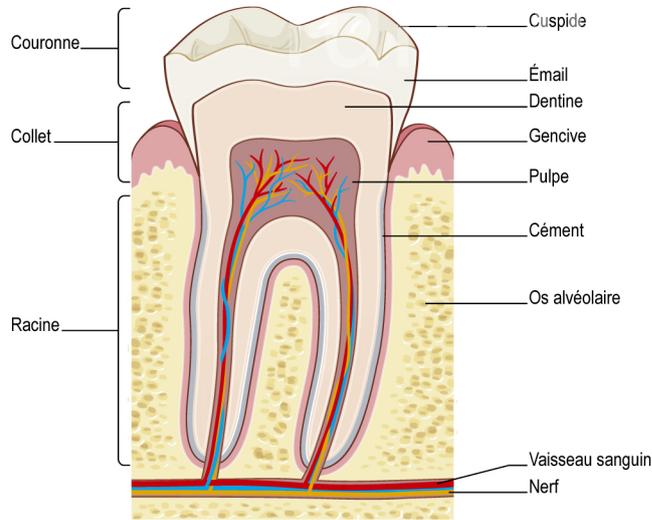
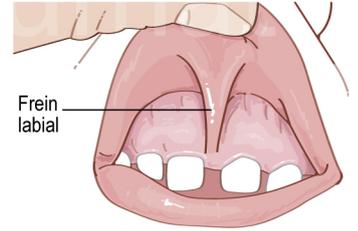
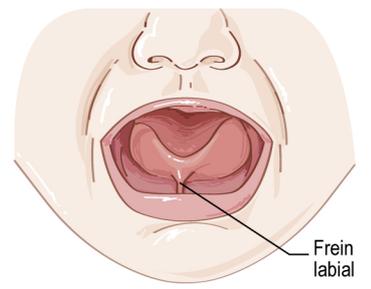
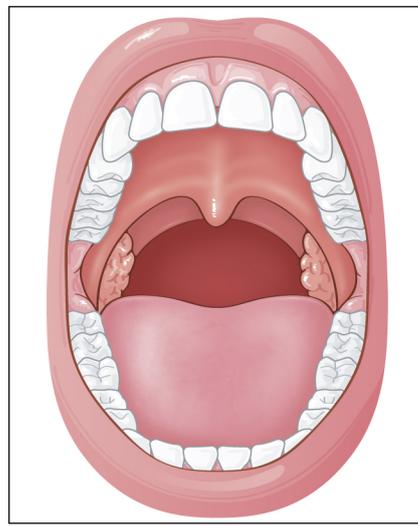
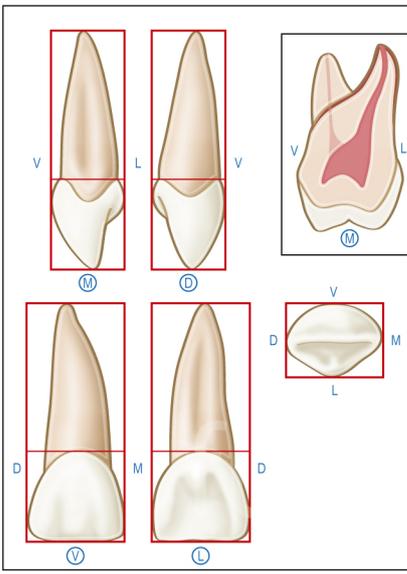
MED-LINE Éditions

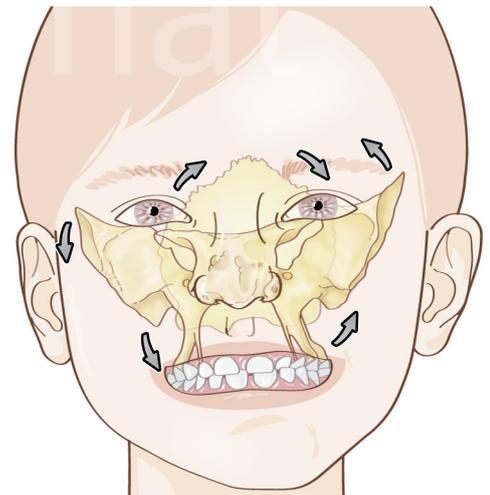
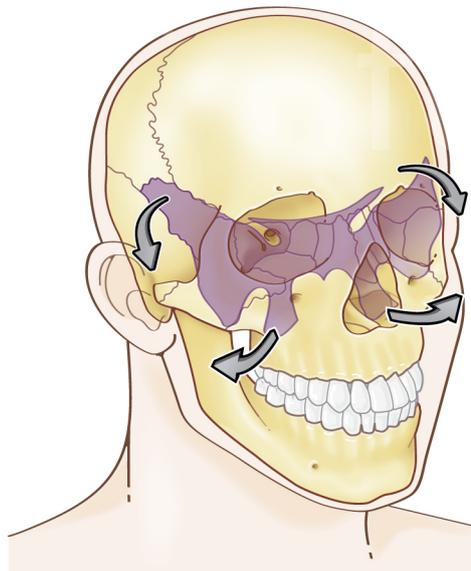
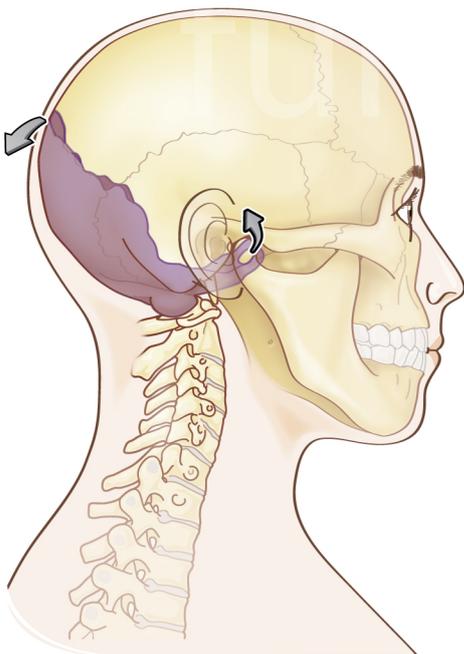
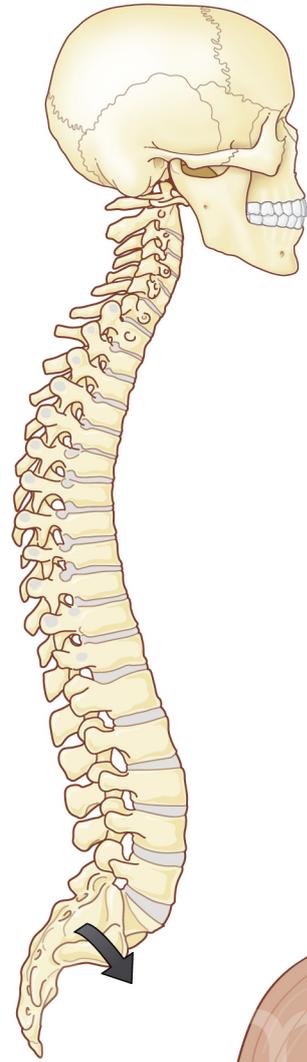
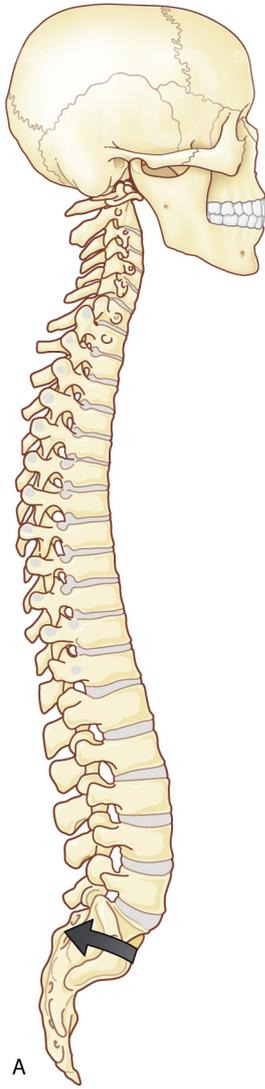
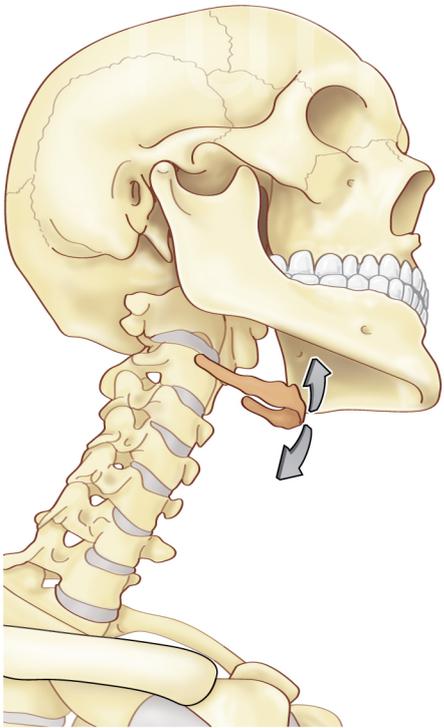


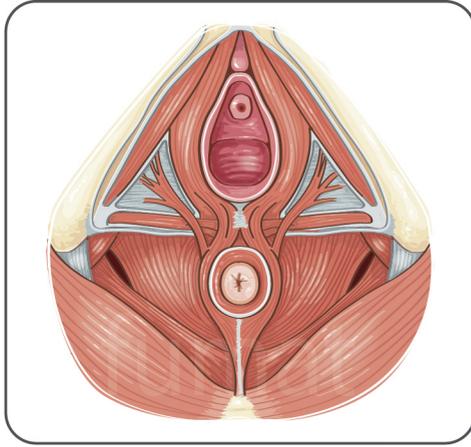


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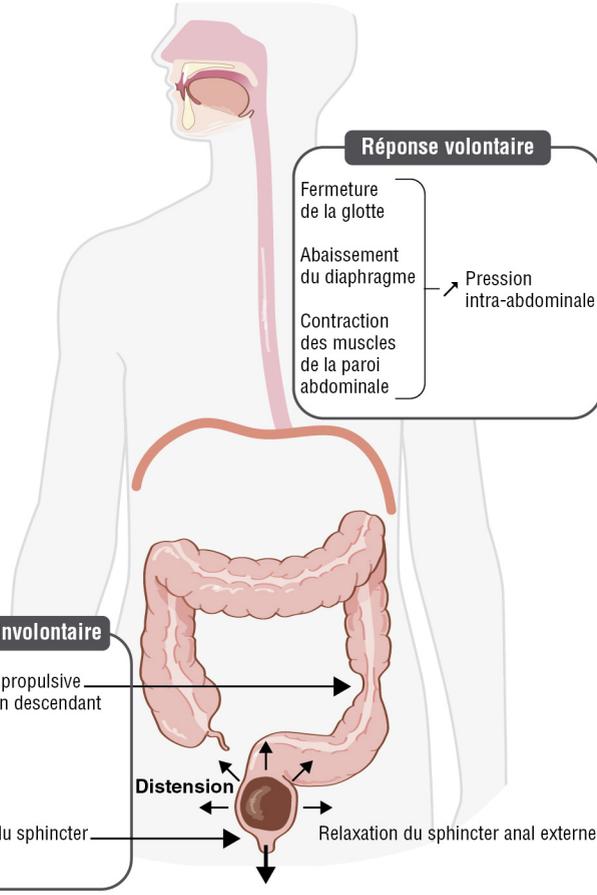






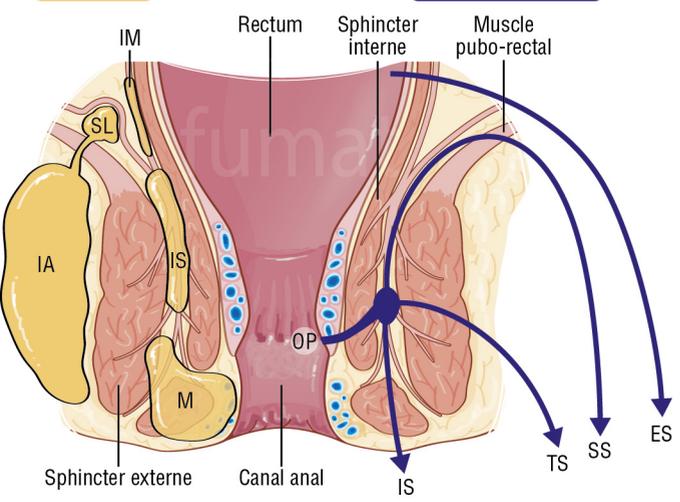


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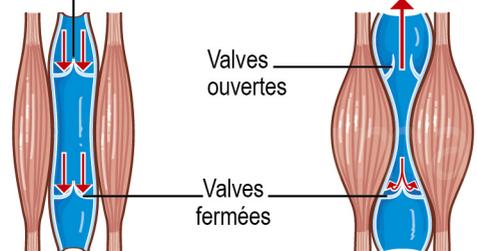
**Abcès**

**Trajets fistuleux**



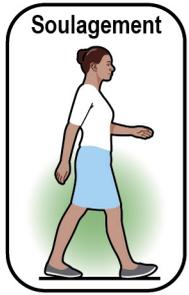
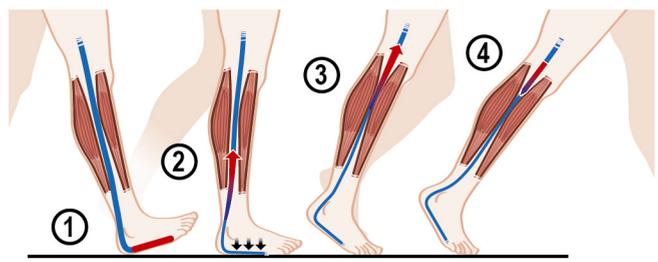
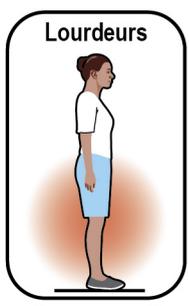
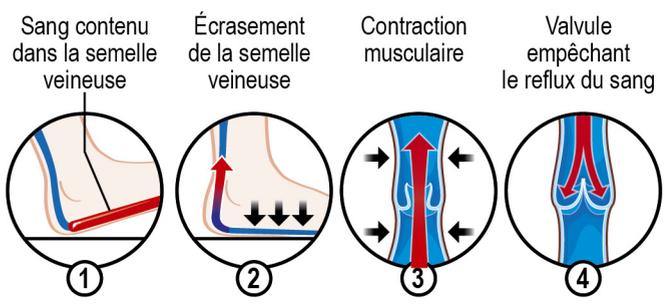
Les valves empêchent le reflux sanguin

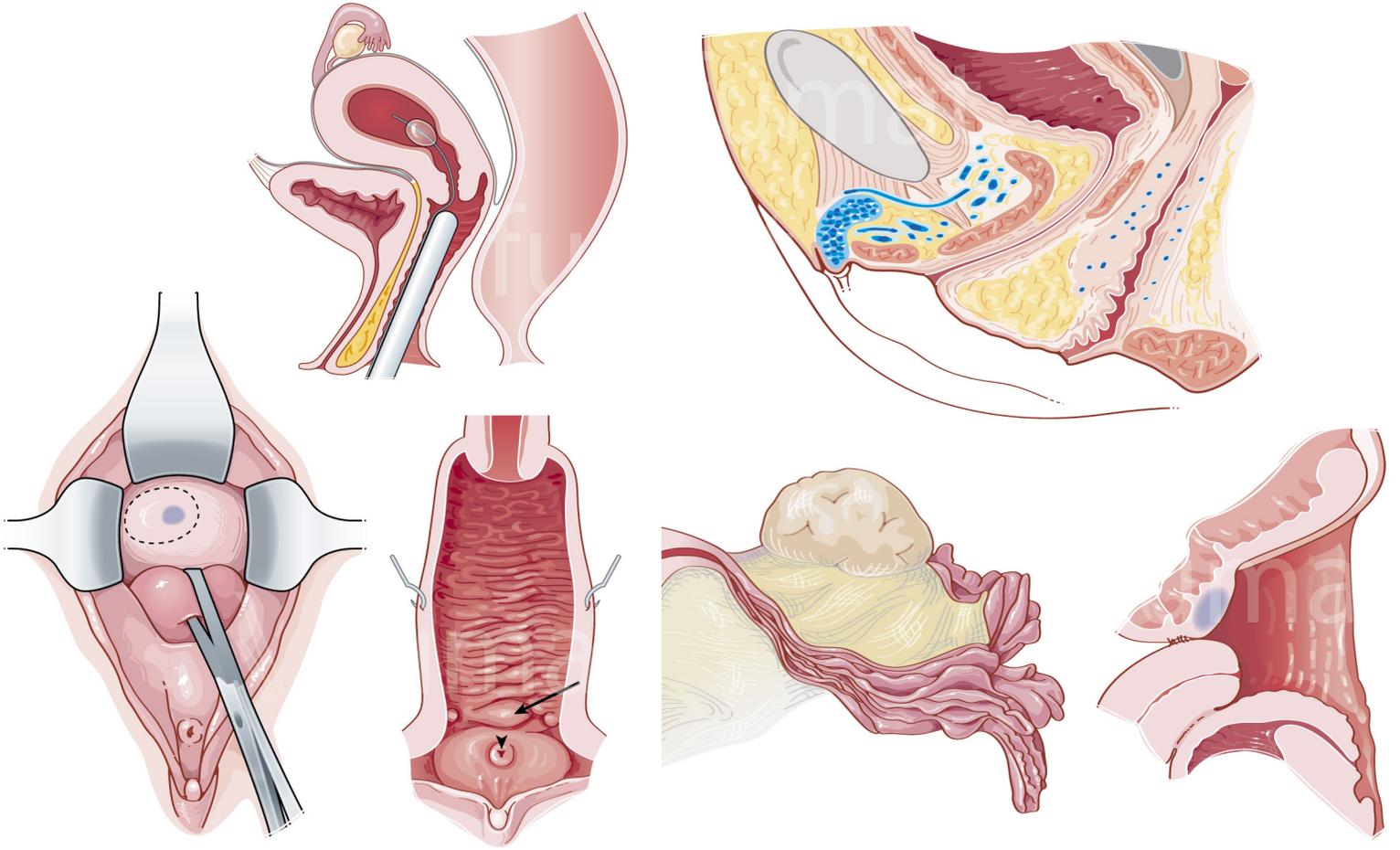
Débit sanguin provoqué par la contraction du muscle



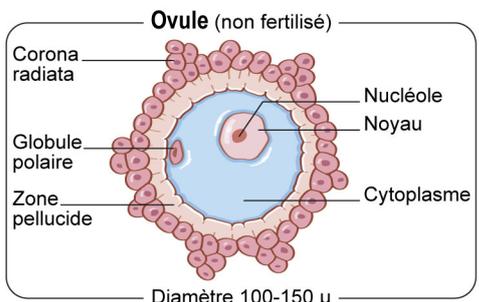
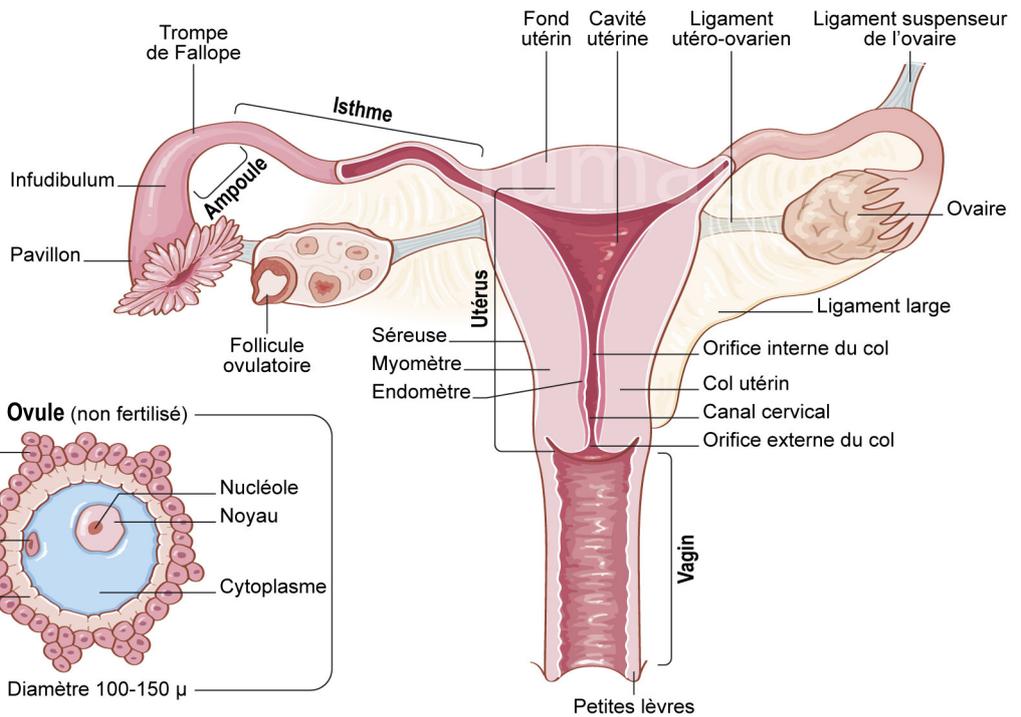
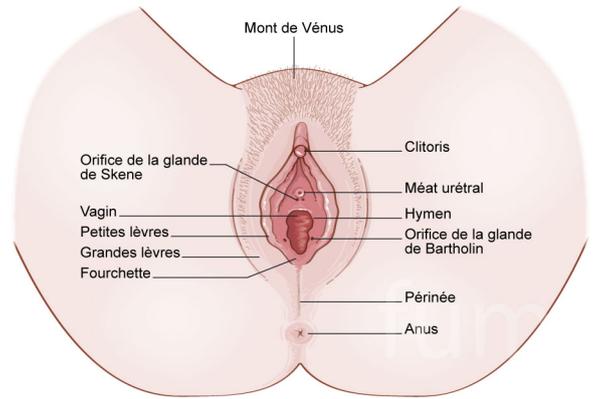
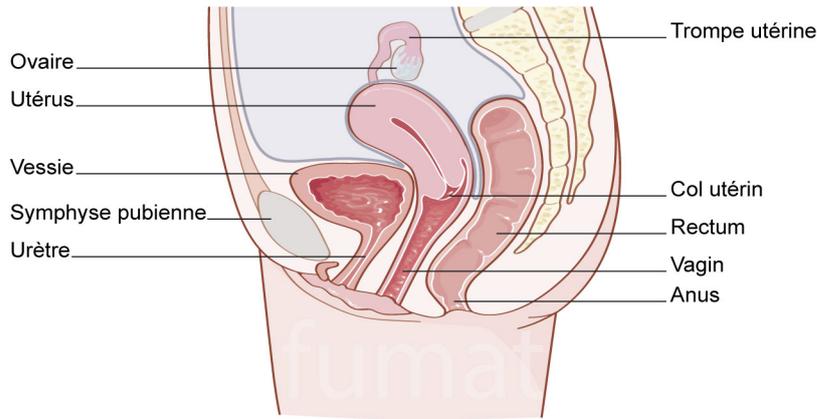
Relâchement du muscle du mollet

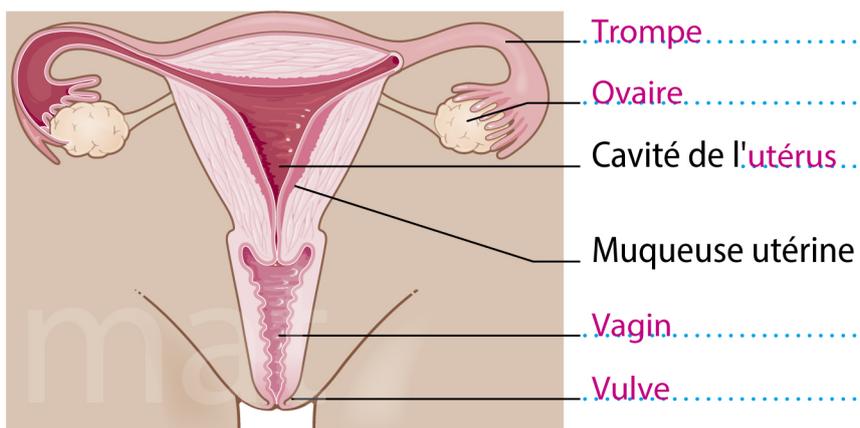
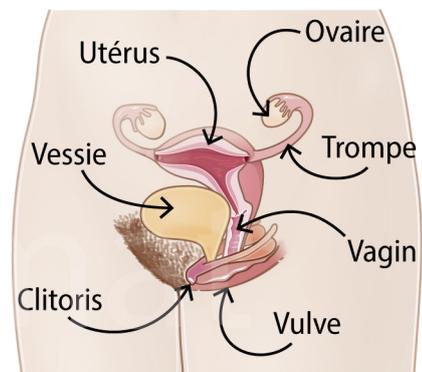
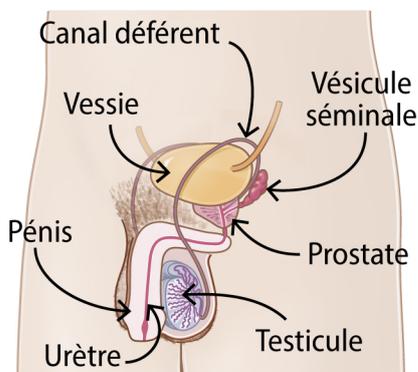
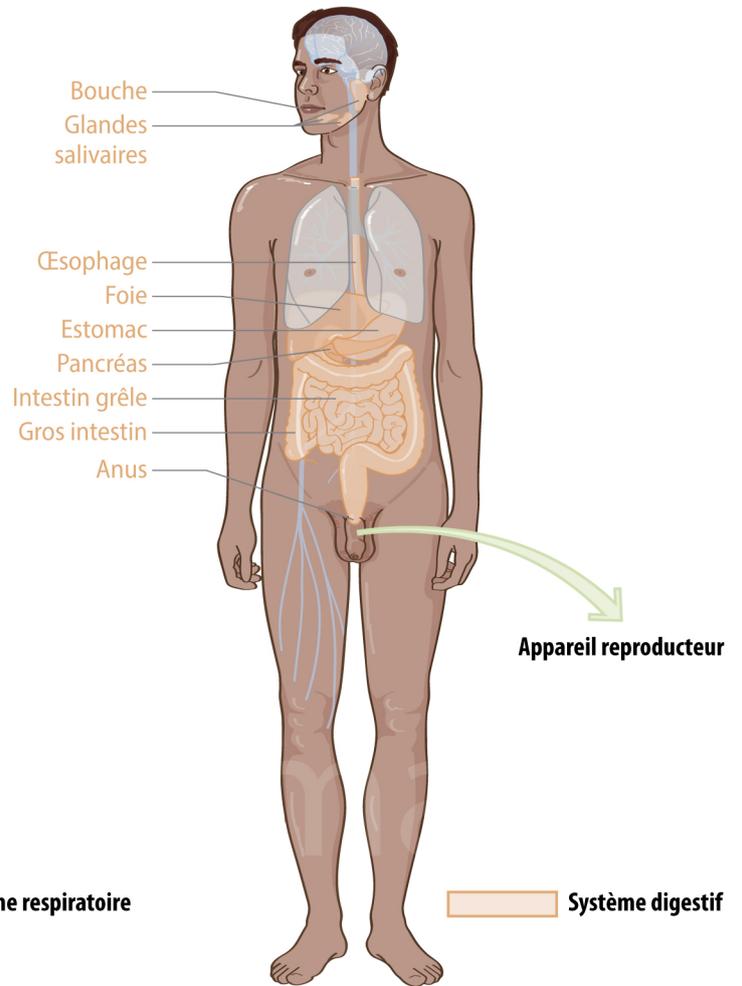
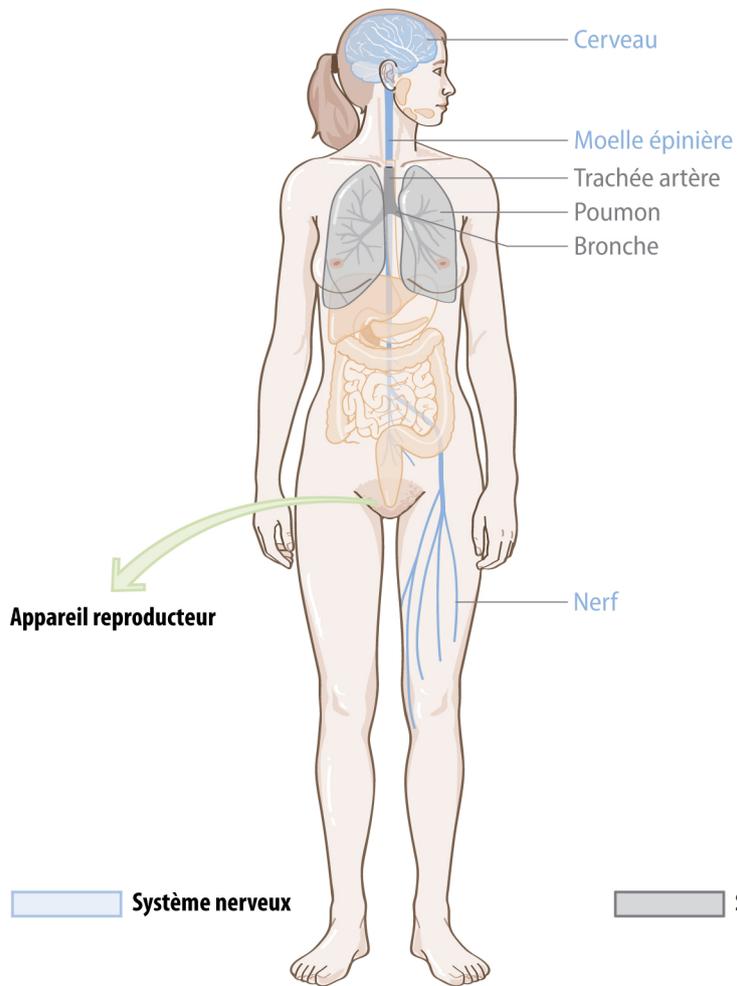
Contraction du muscle du mollet

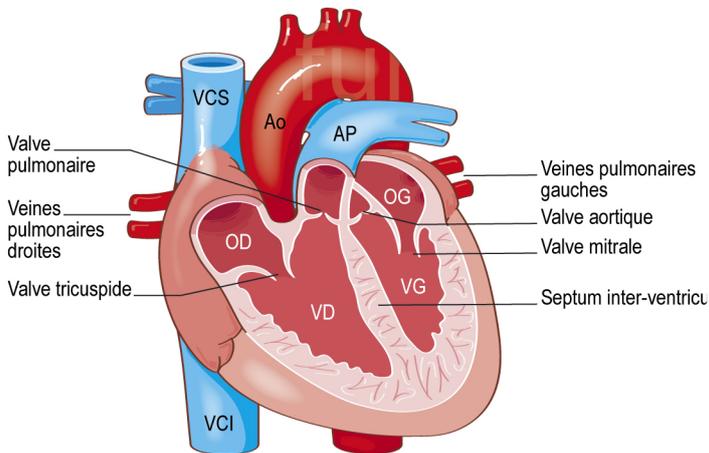
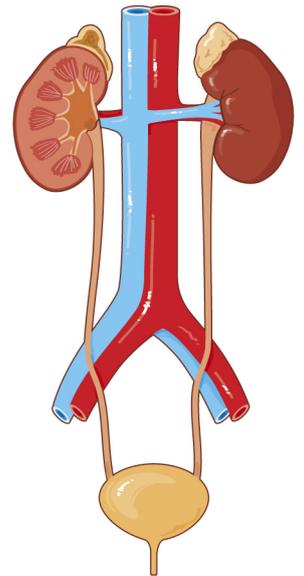
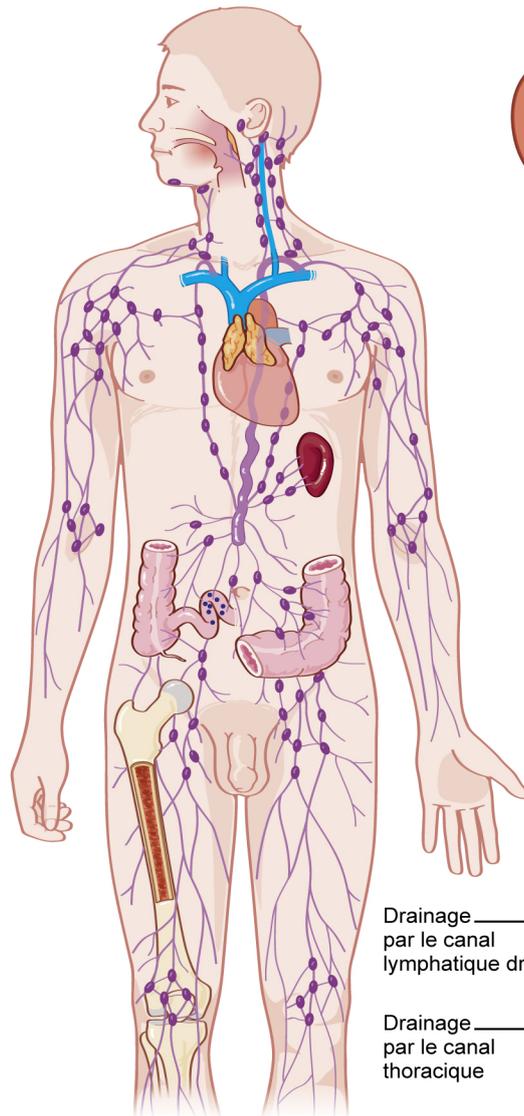
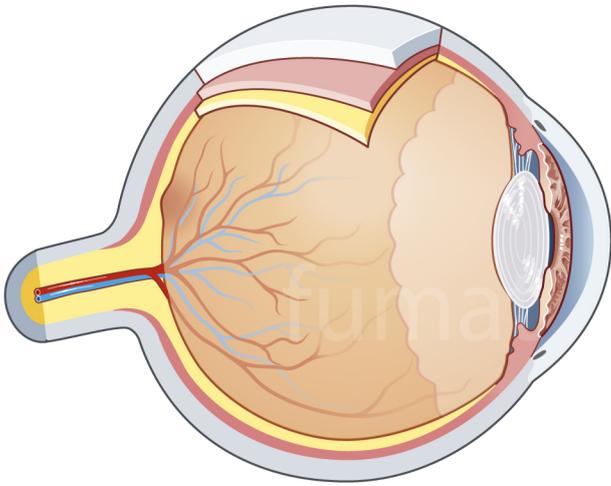
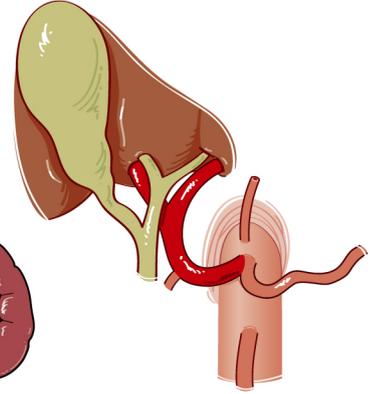
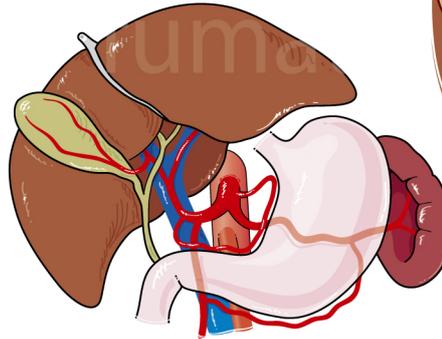
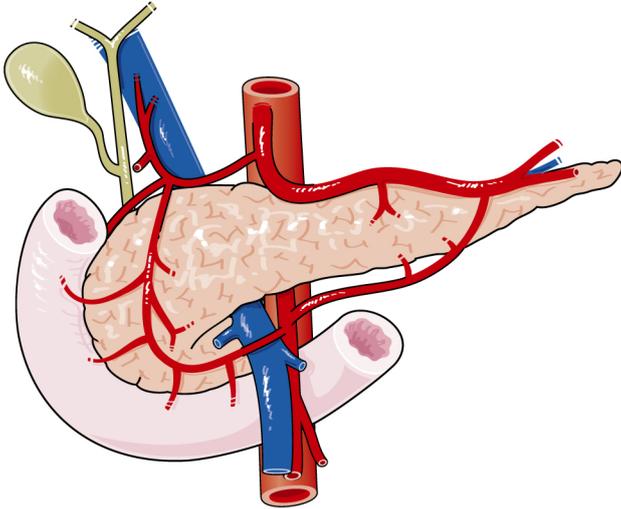
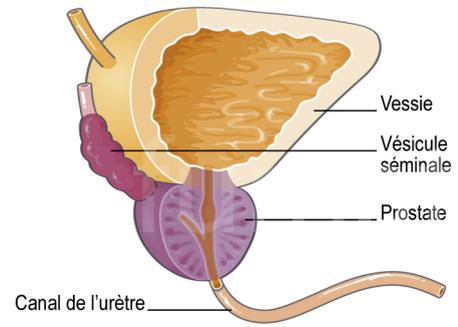
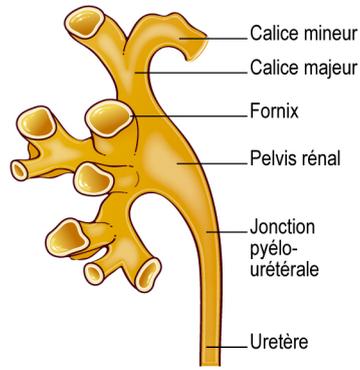
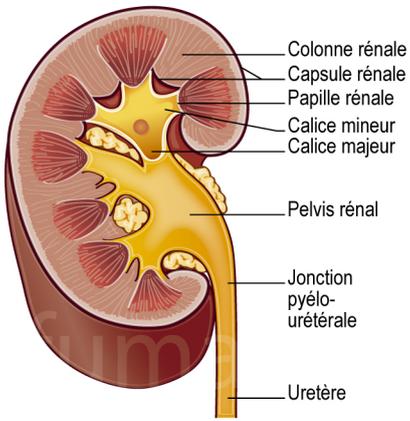


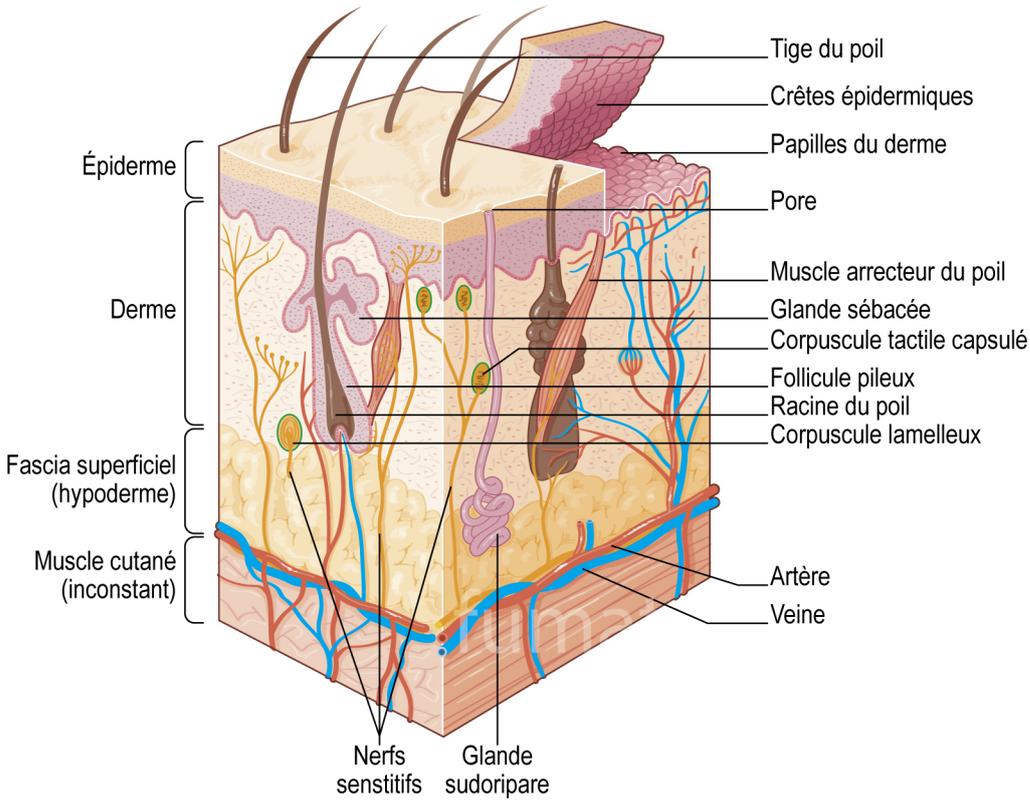


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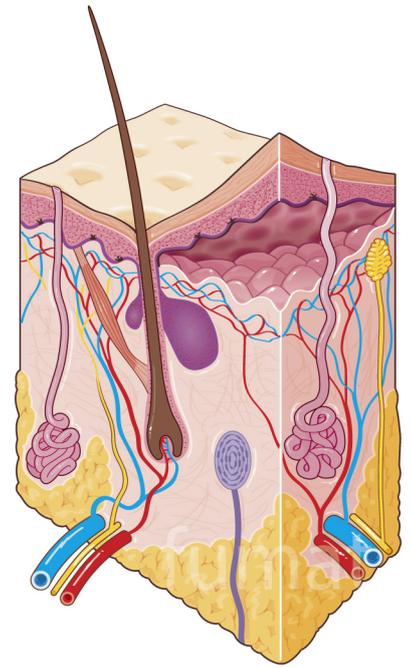




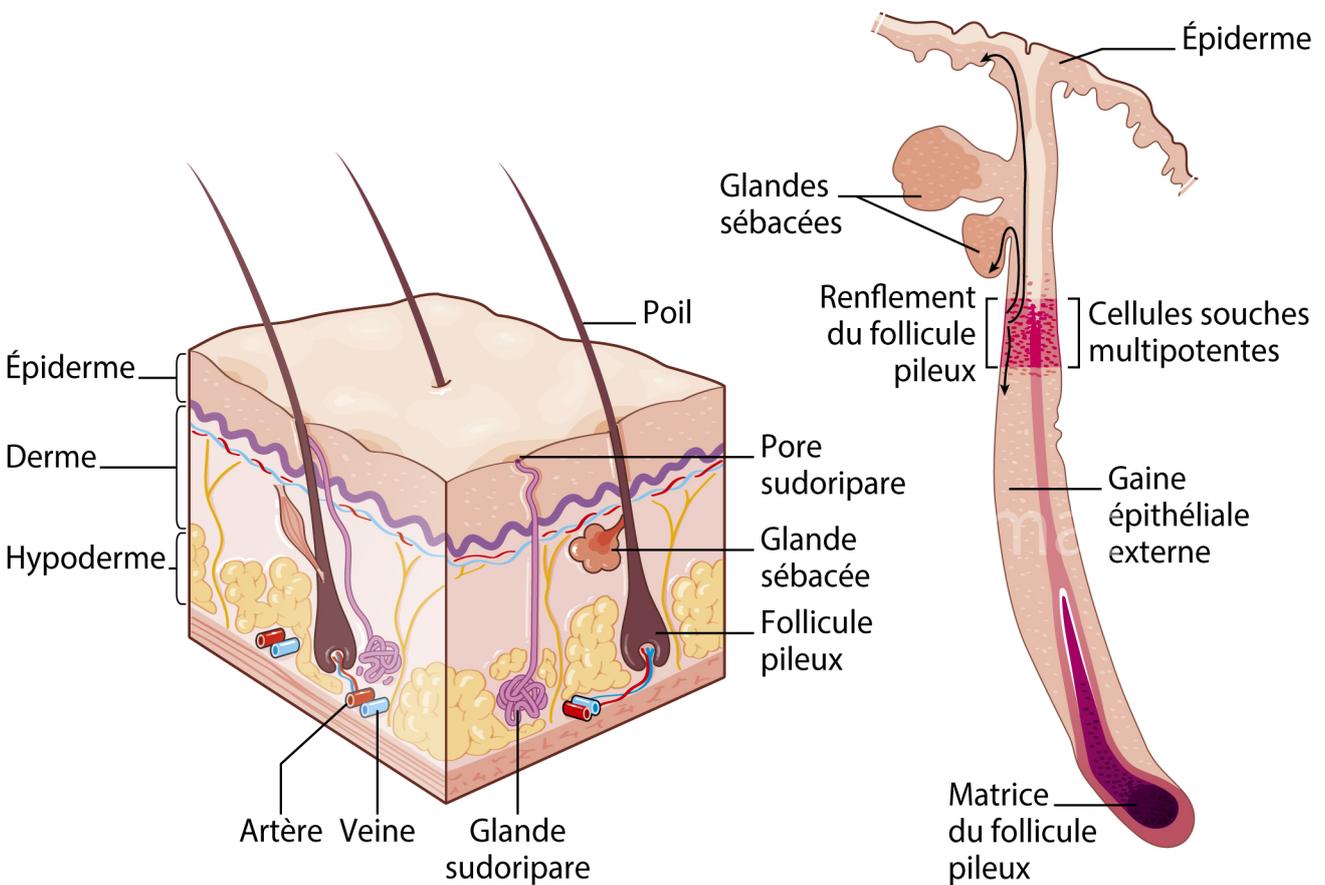




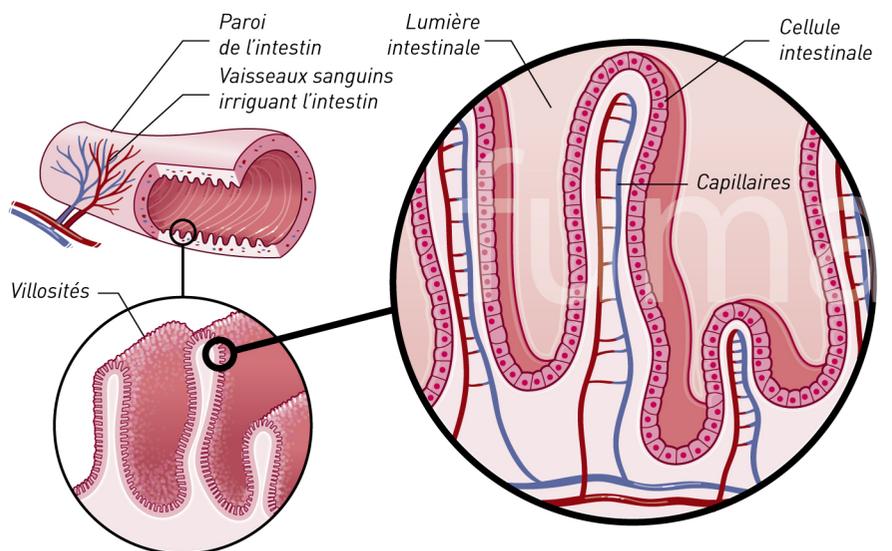
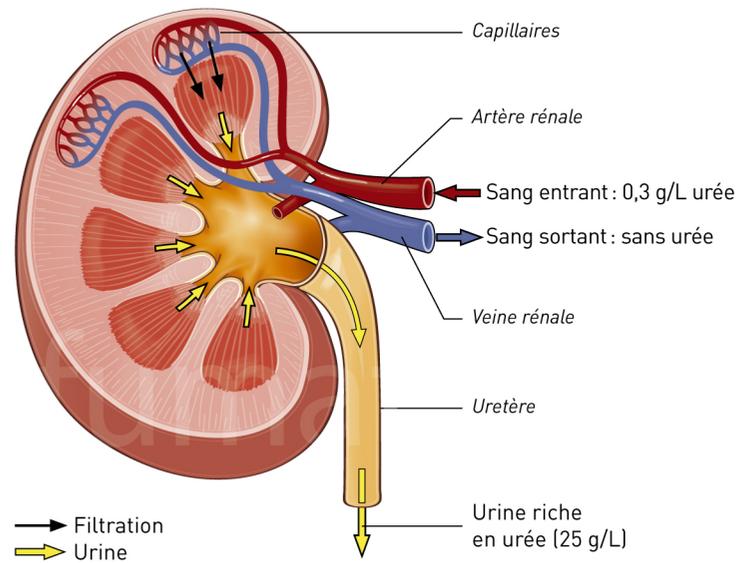
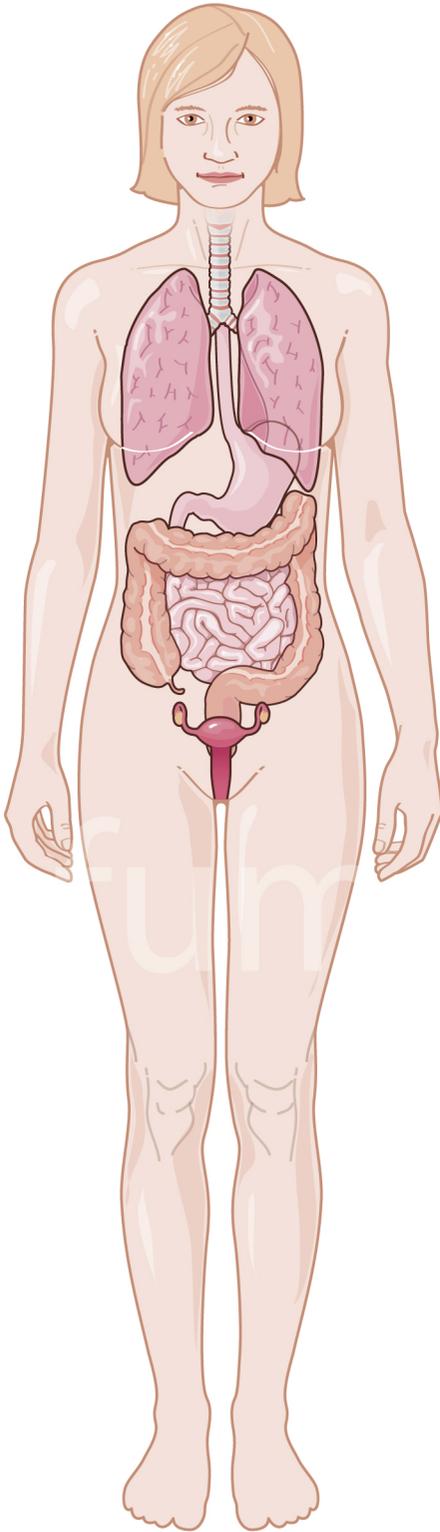
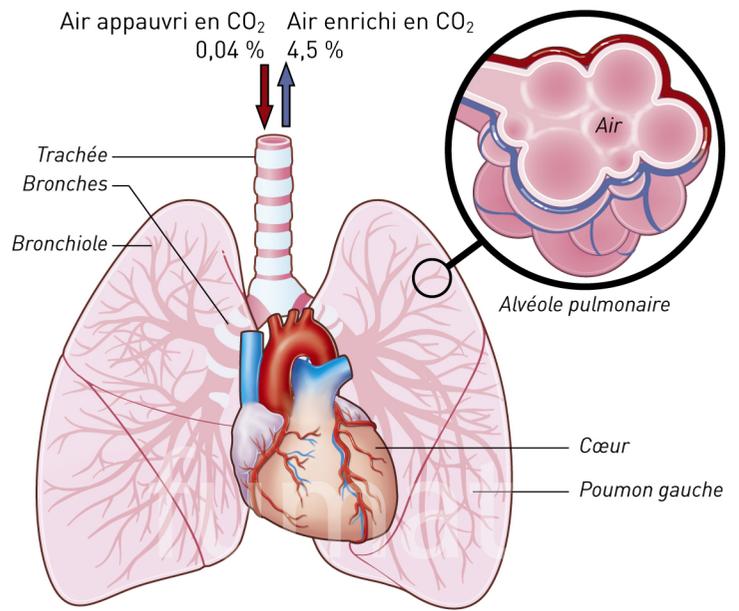
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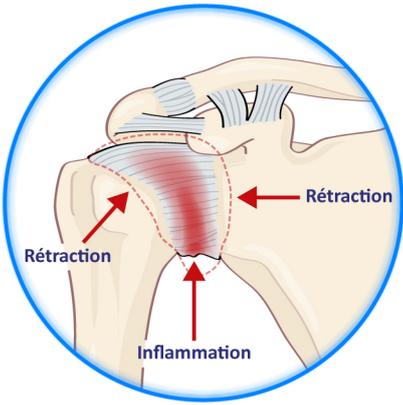
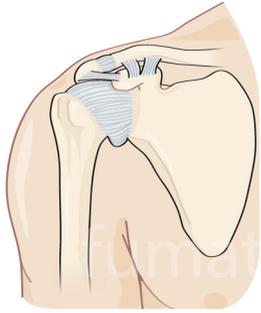
**Med-Line éditions**



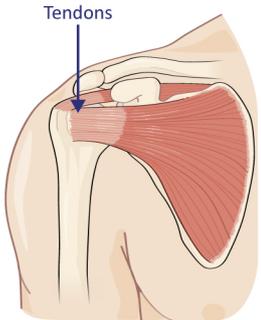
**Éditions John Libbey Eurotext**



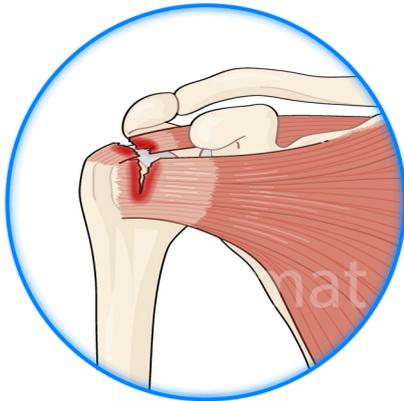
**Épaule gelée (capsulite rétractile)**



**Rupture de la coiffe de l'épaule**

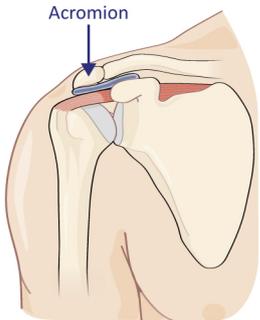


Épaule saine

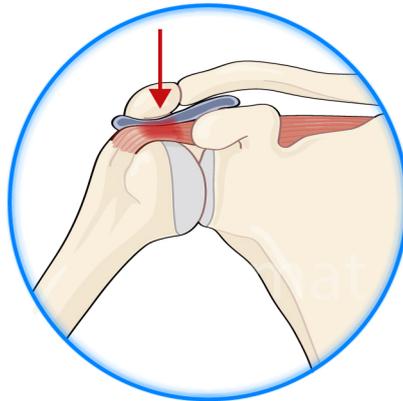


Épaule malade

**Conflit sous acromial**

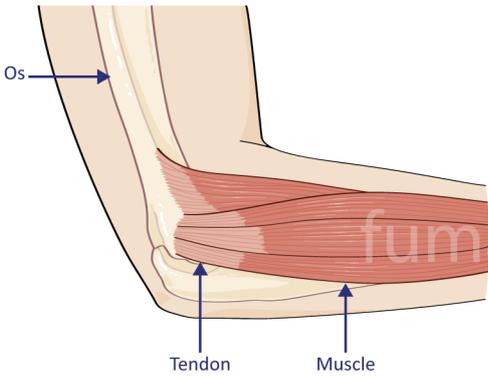


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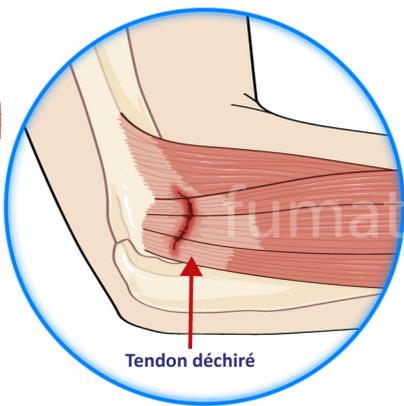


Épaule malade

**Anatomie du coude**

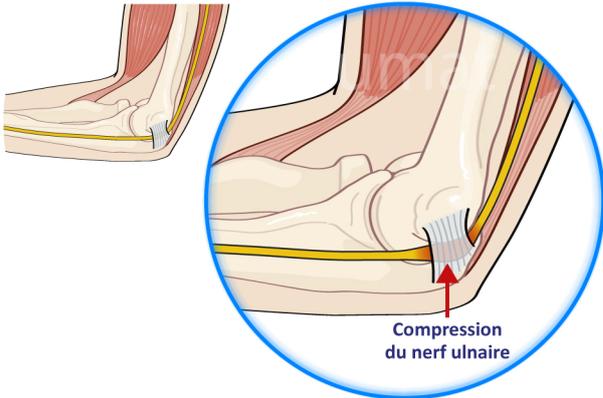
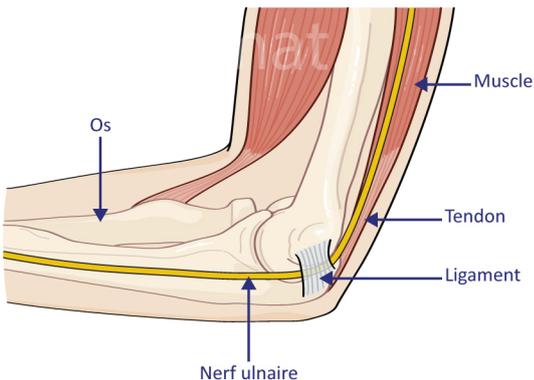


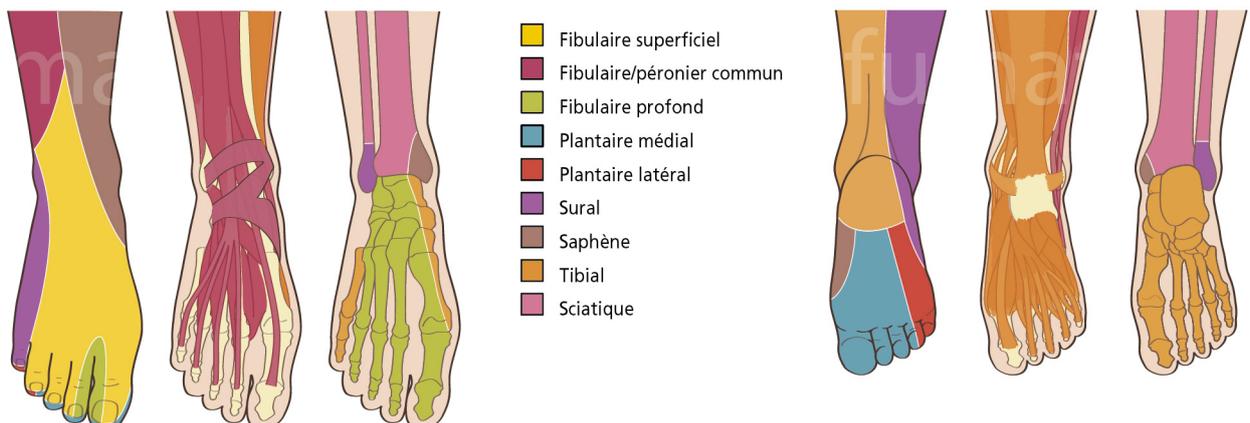
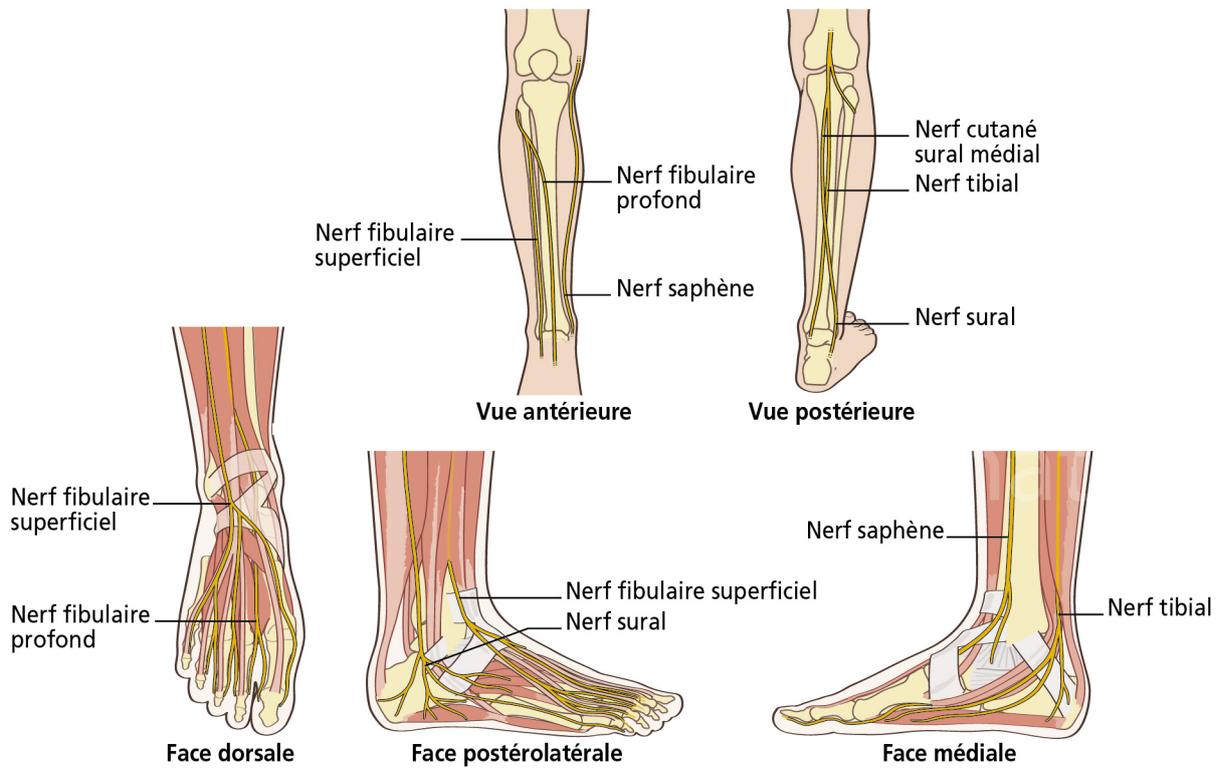
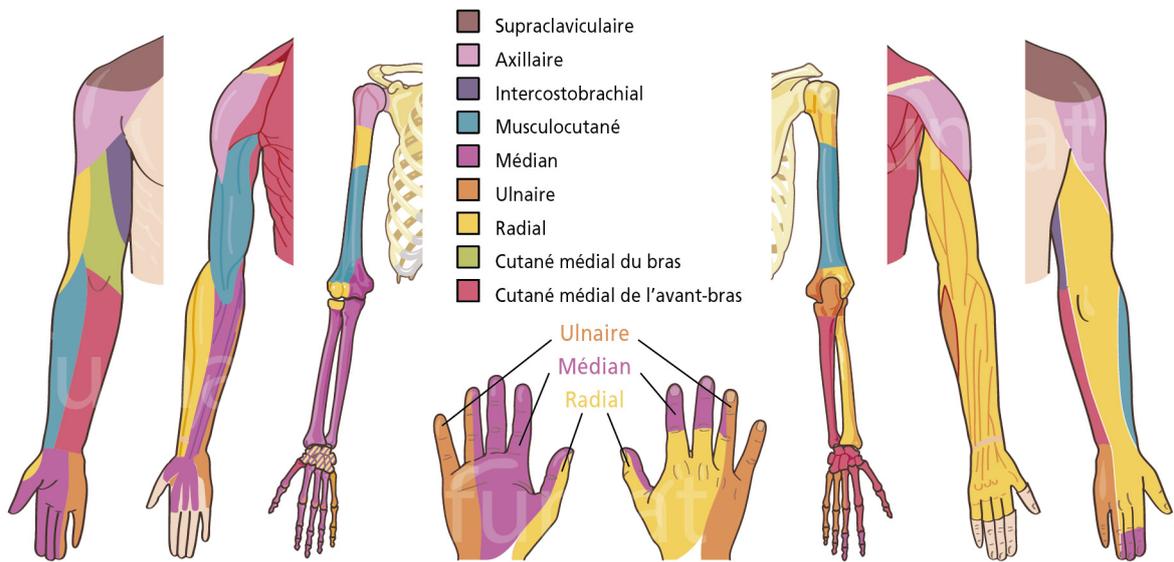
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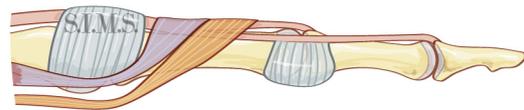
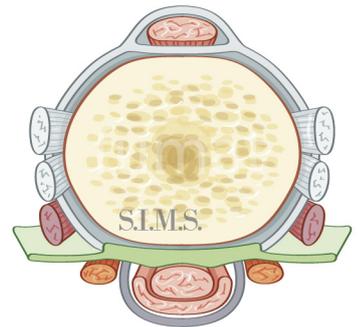
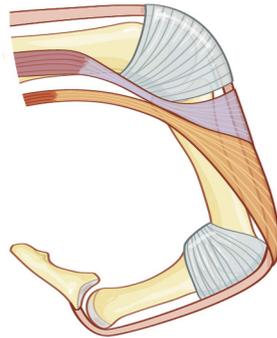
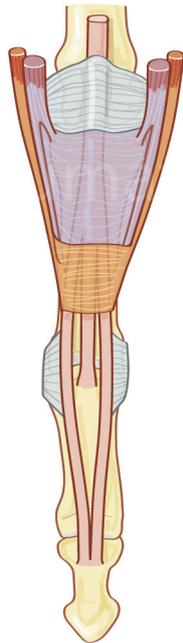
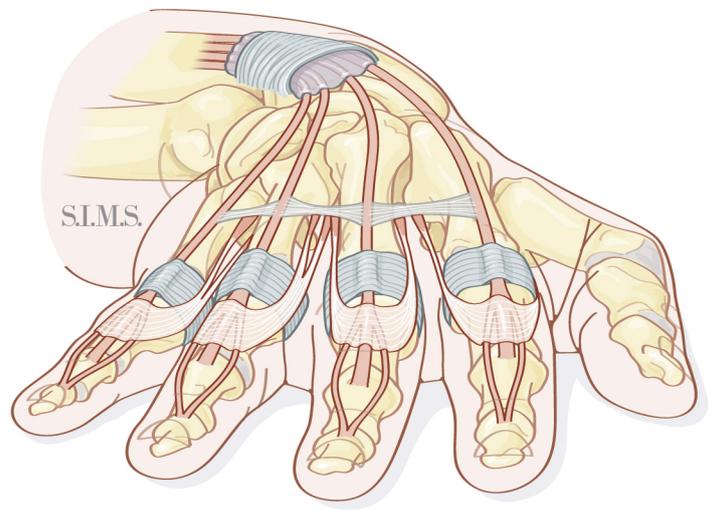
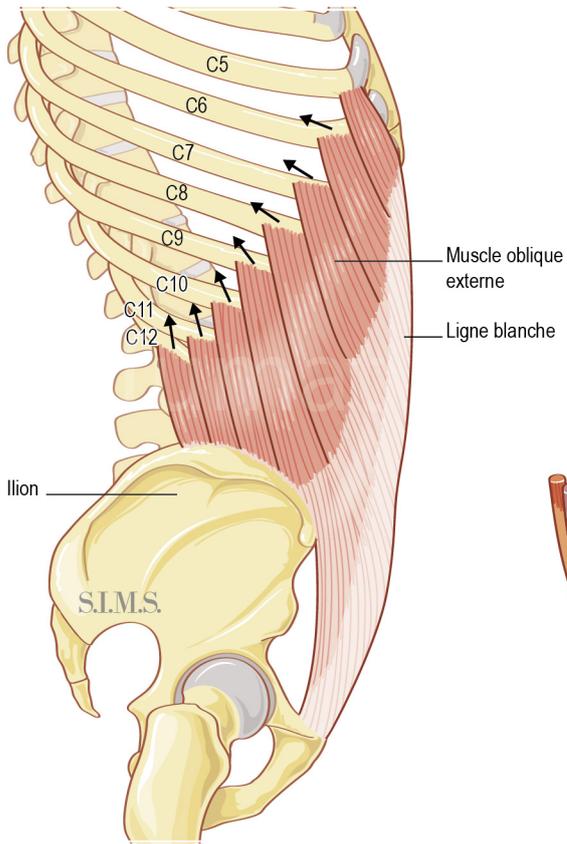


**Anatomie du coude**

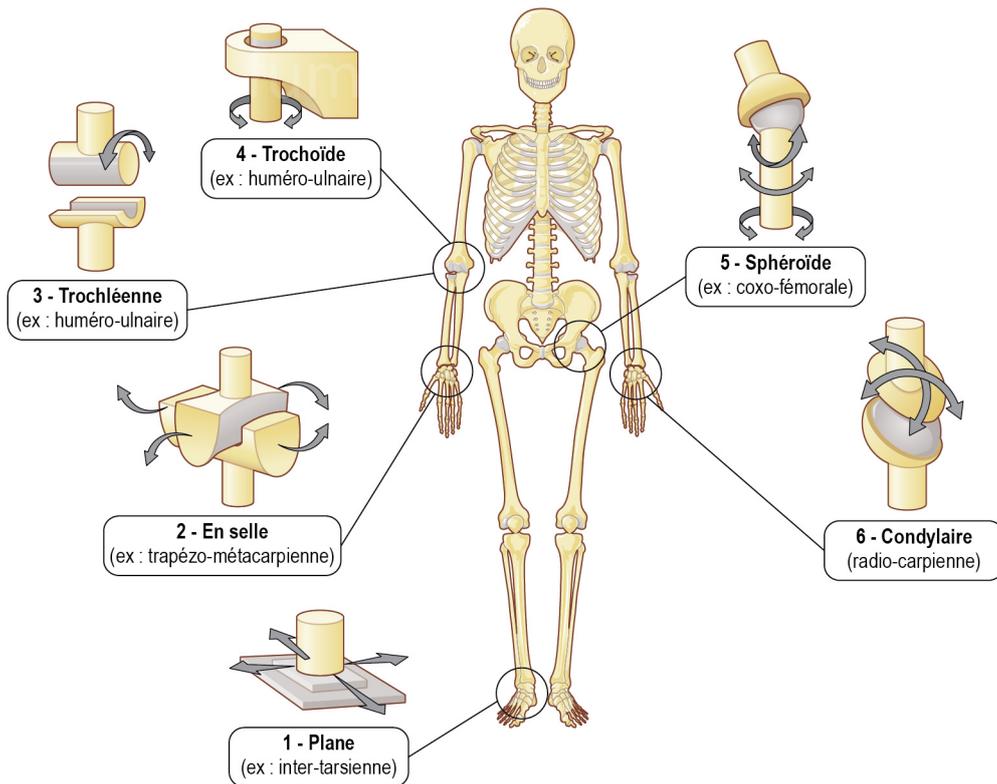
**Compression du nerf ulnaire**



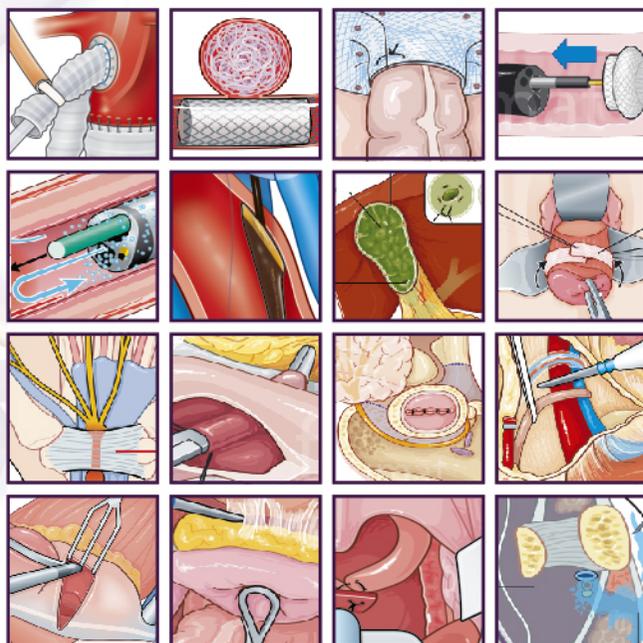




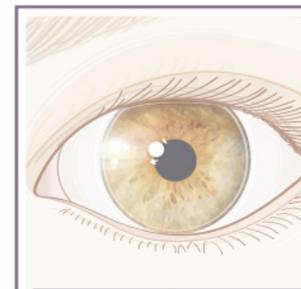
**S.I.M.S.**



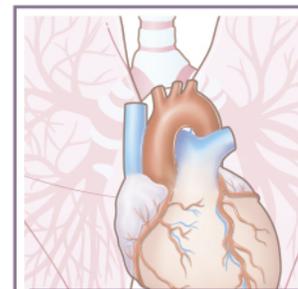
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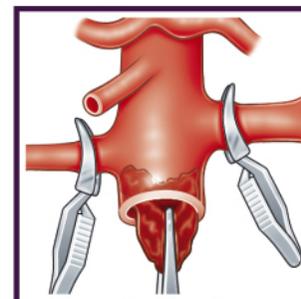
# Illustration médicale & scientifique



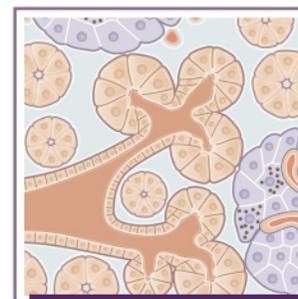
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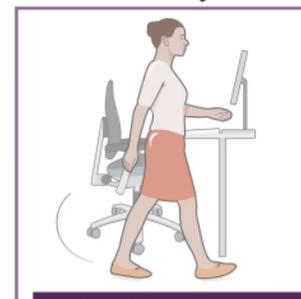
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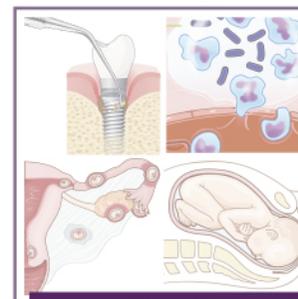
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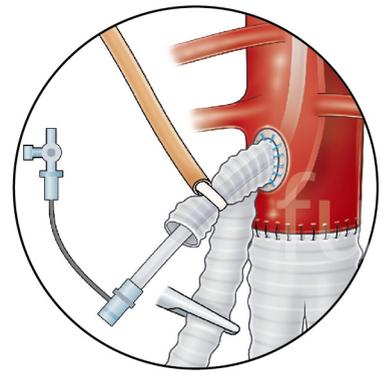
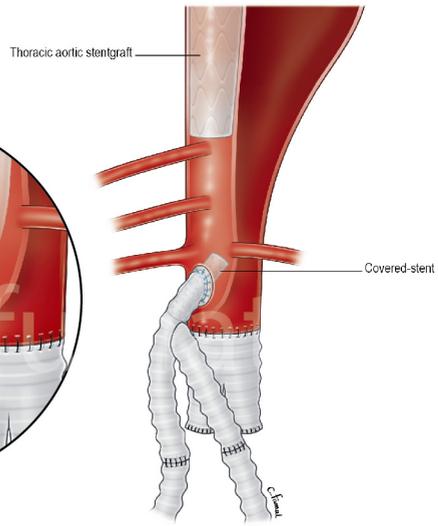
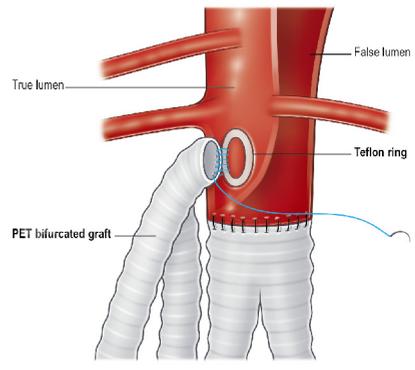
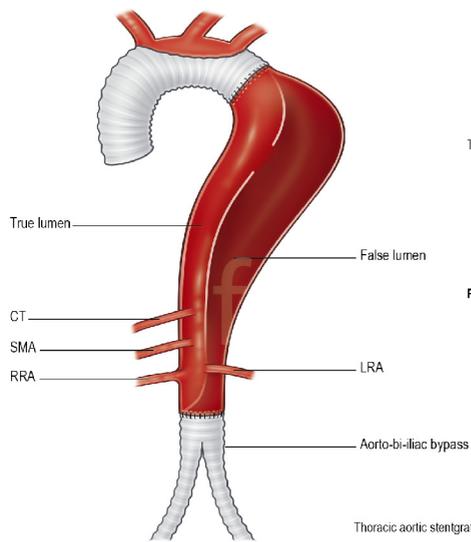
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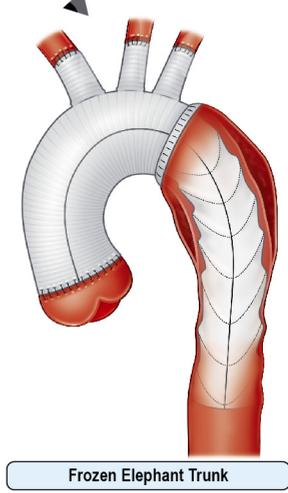
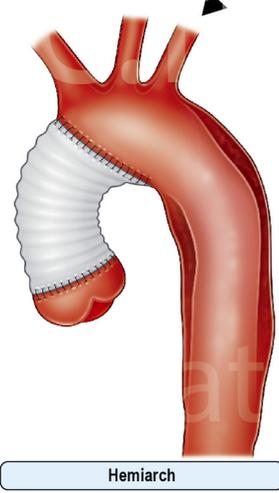
Personnages



Divers

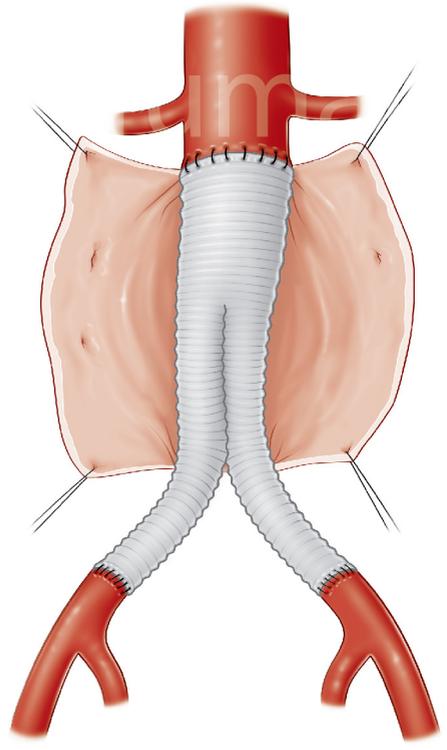
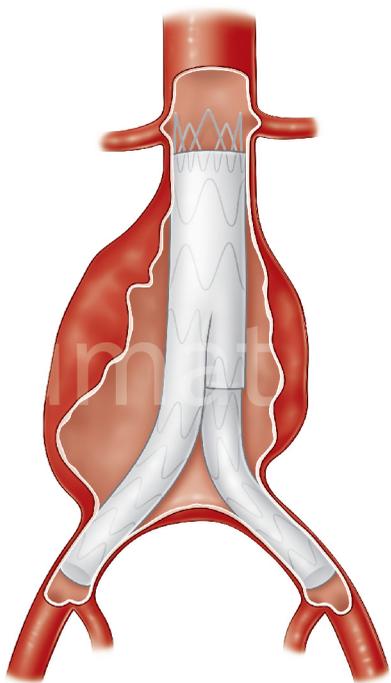
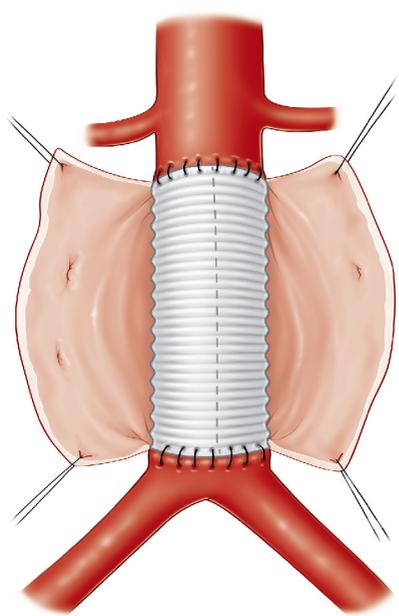


Type I acute aortic dissection

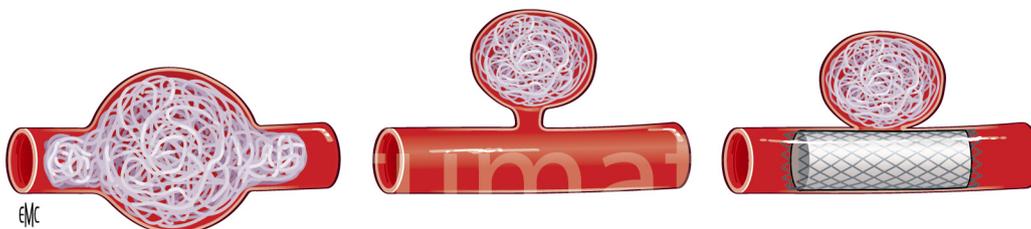
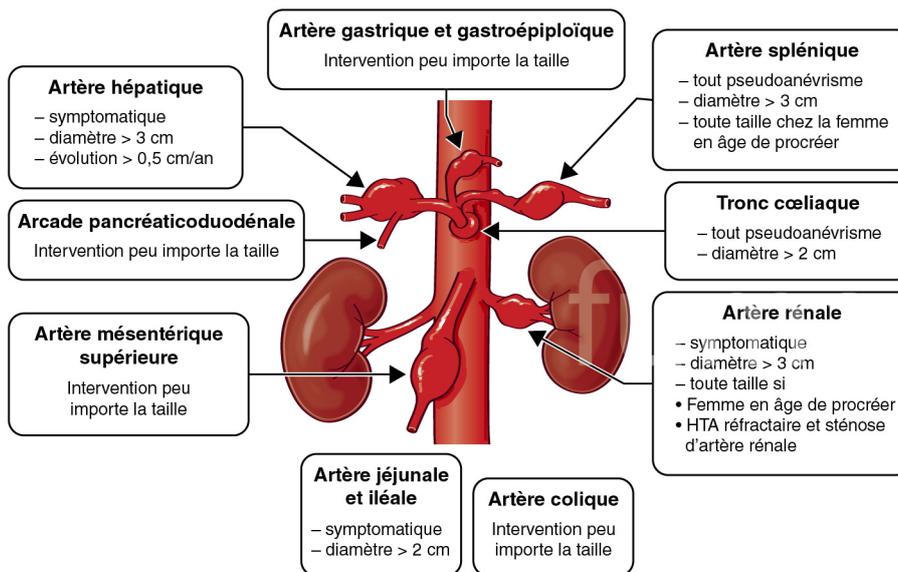
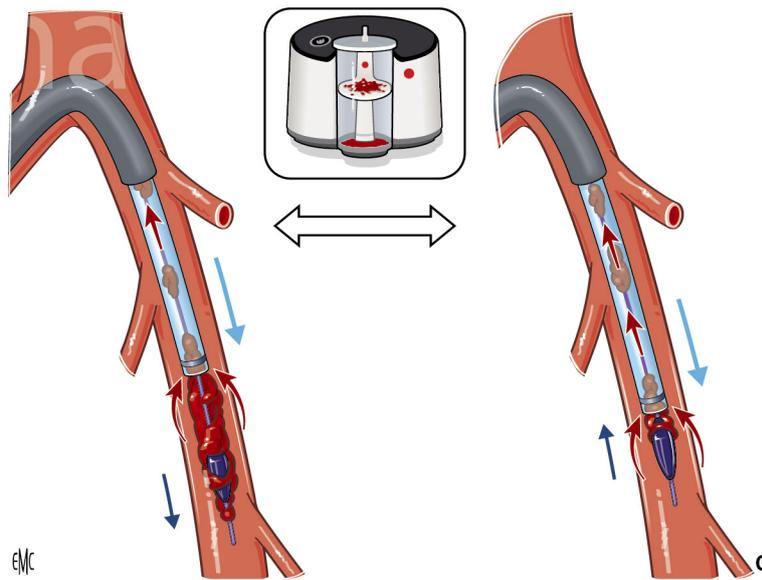
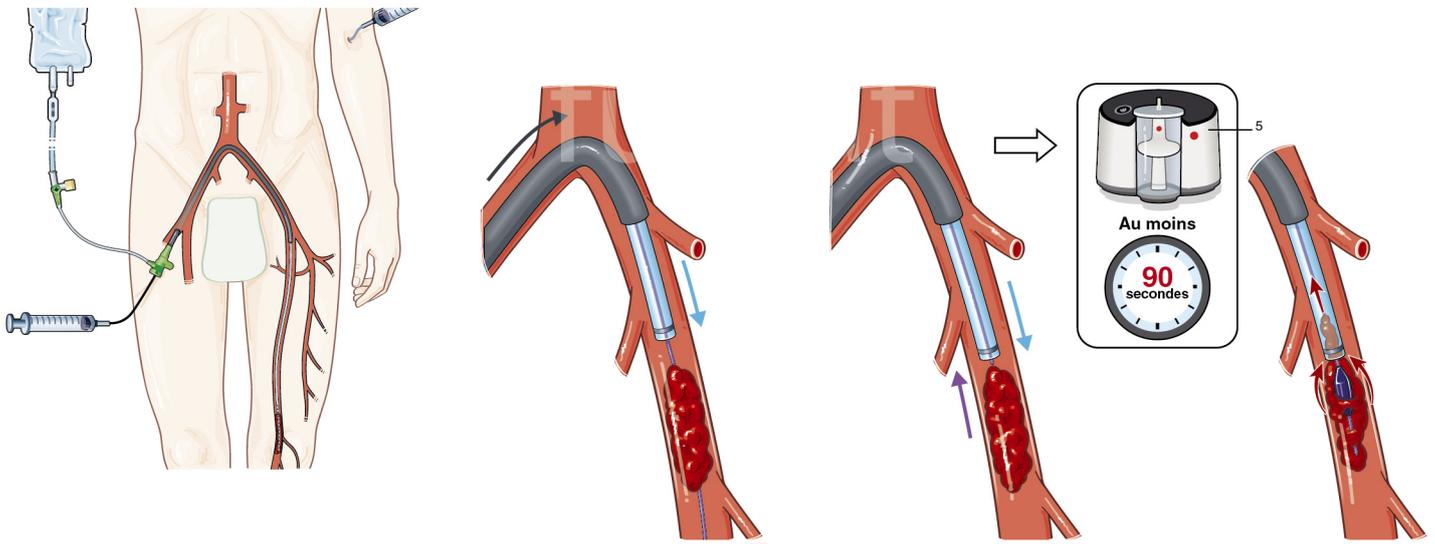


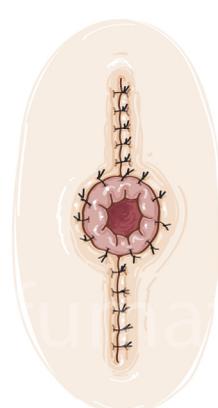
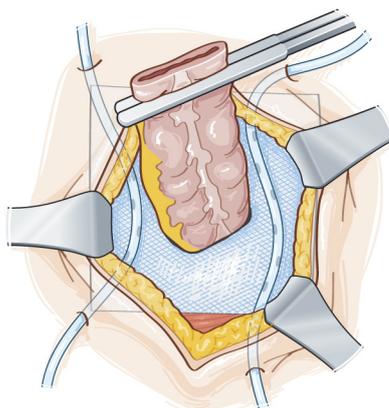
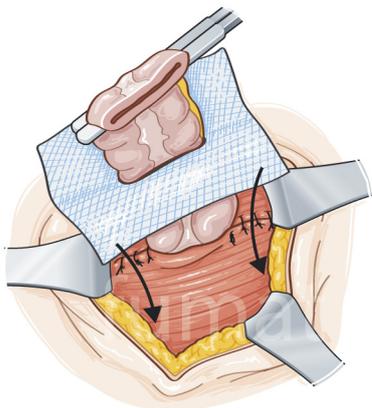
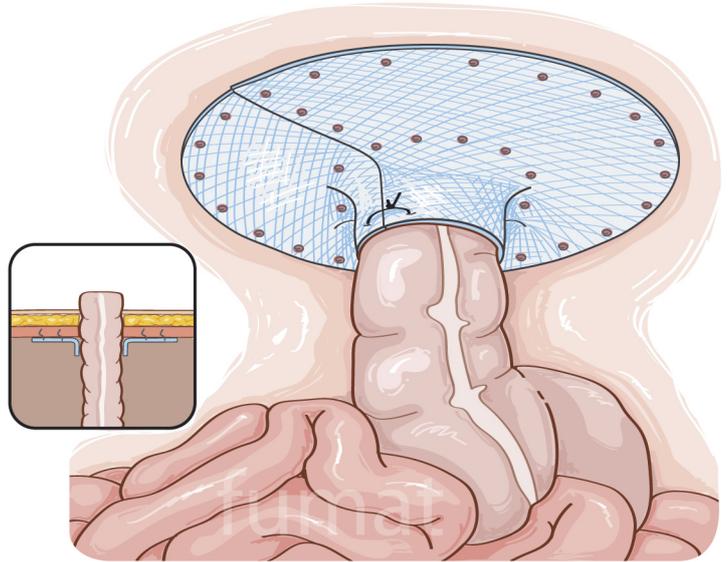
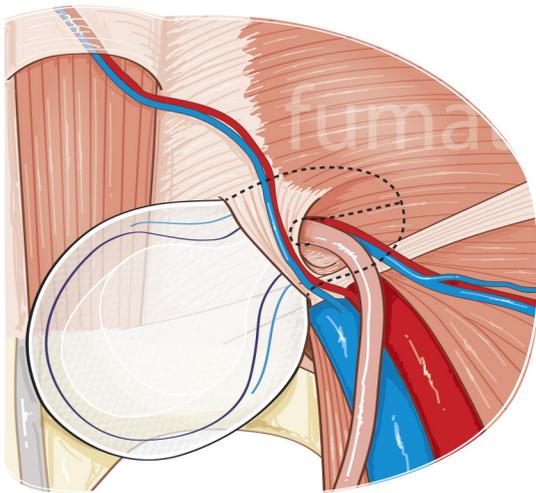
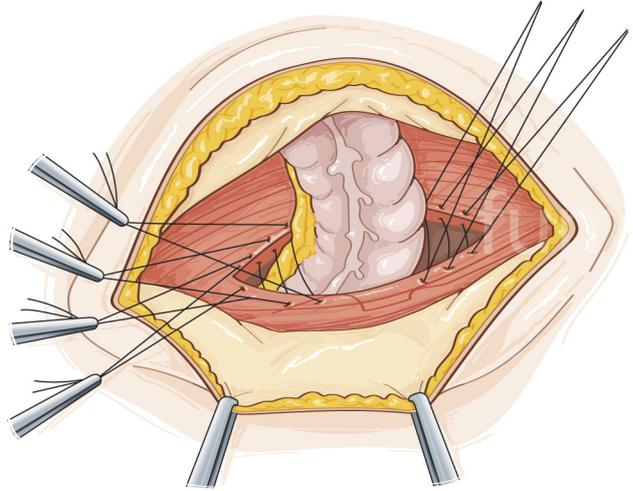
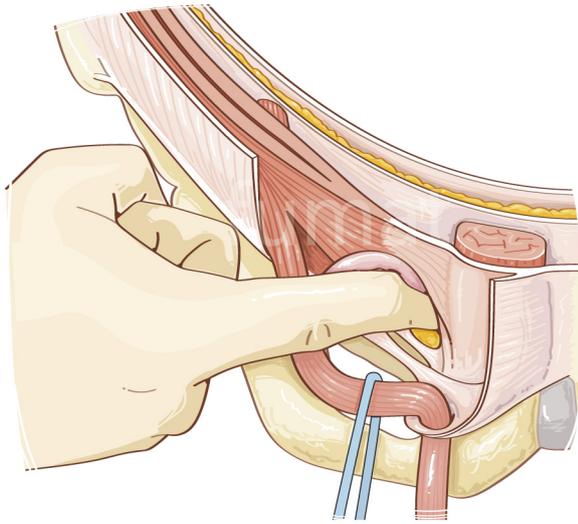
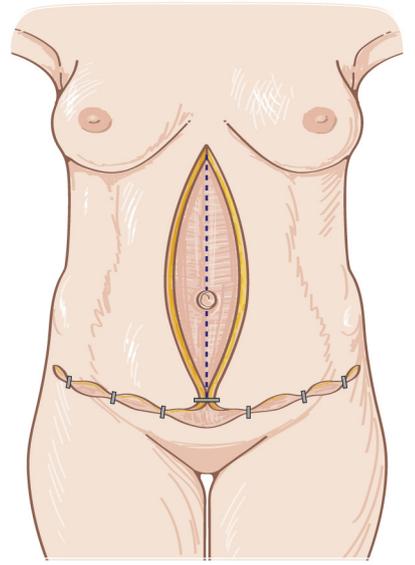
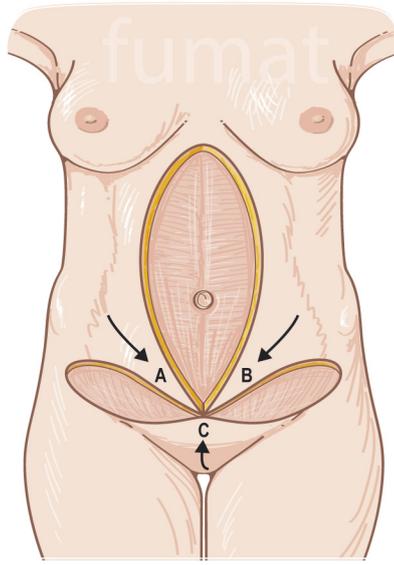
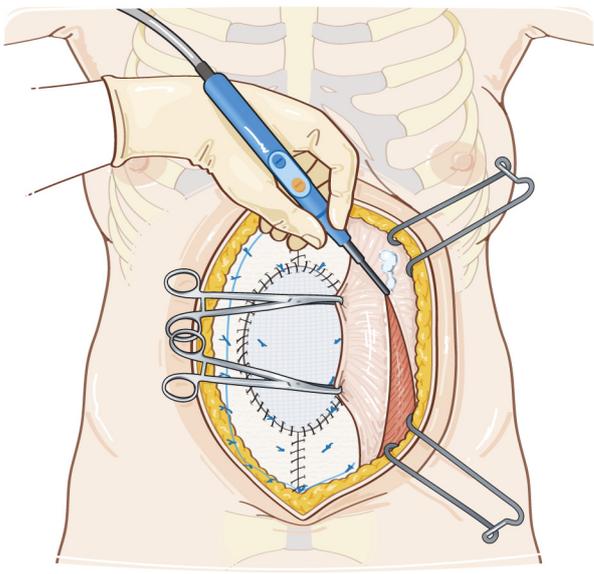
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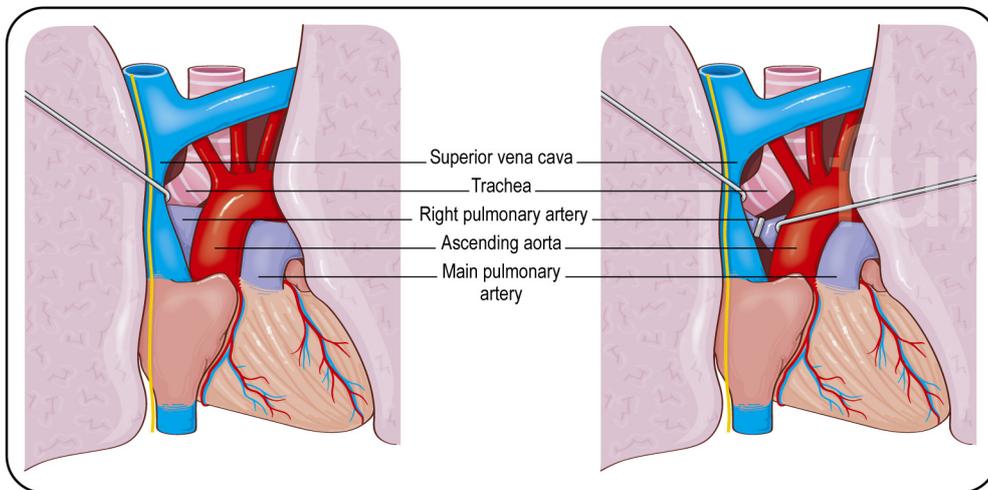
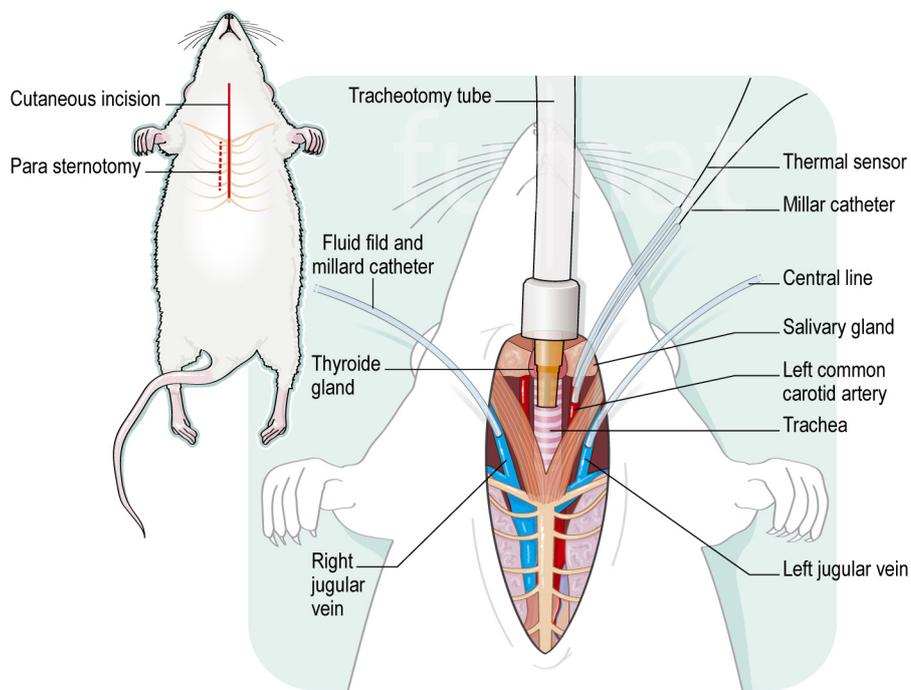
CHRU Nancy - Dr Juliette Piccoli



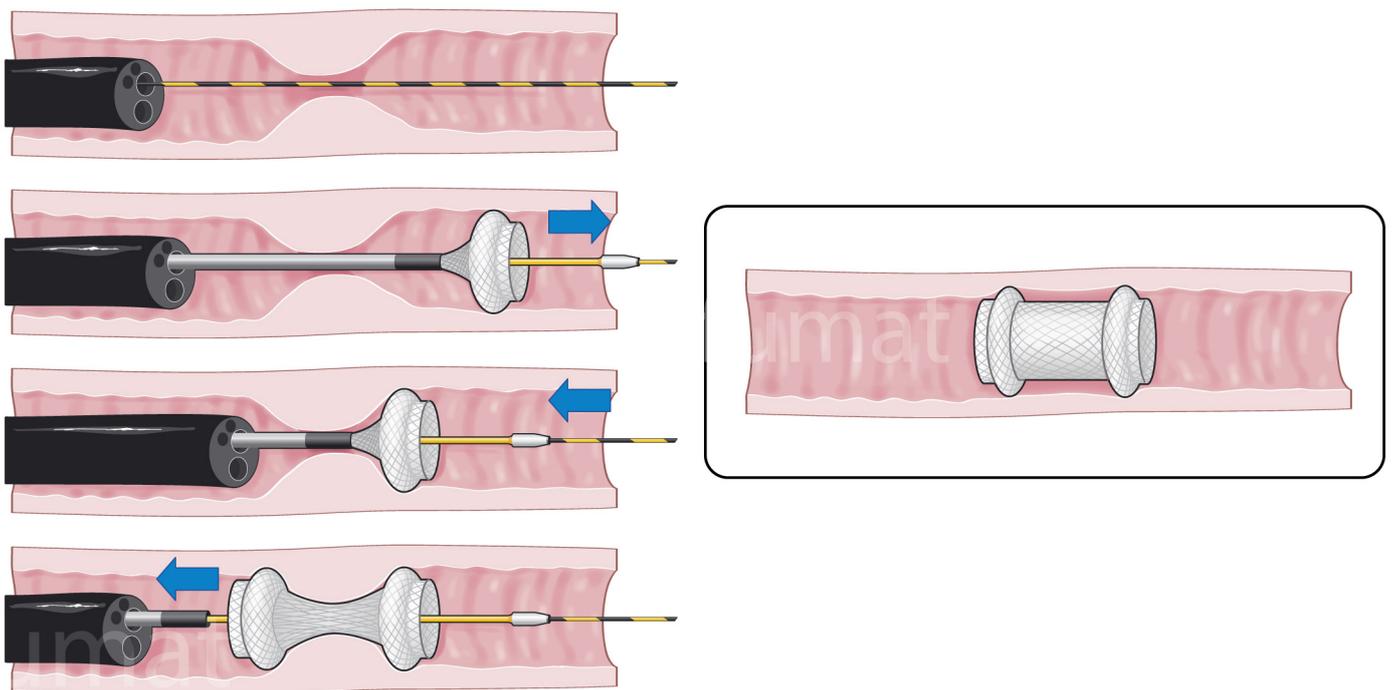
ARCHIVTT - Pr Yves Castier

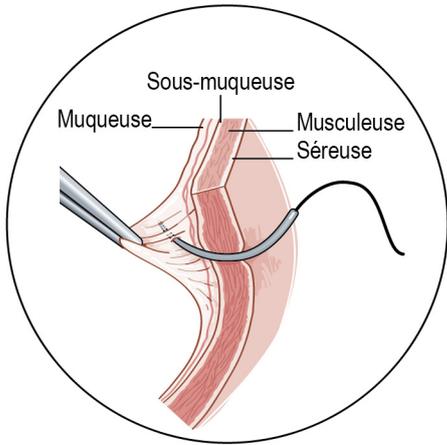
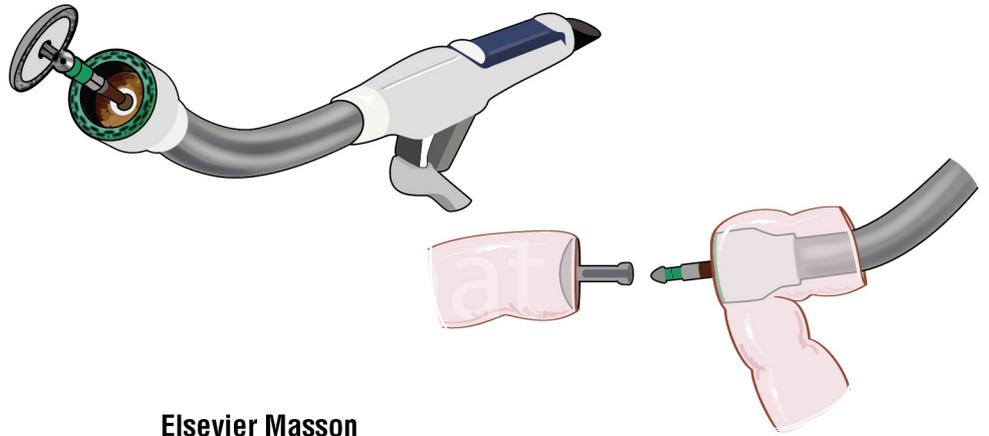
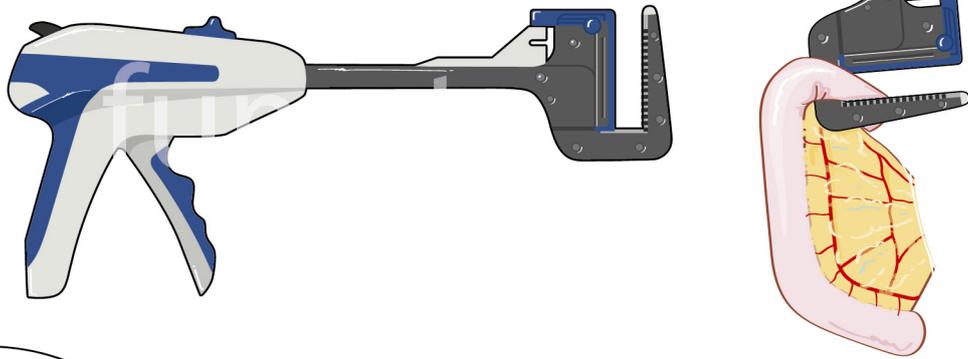
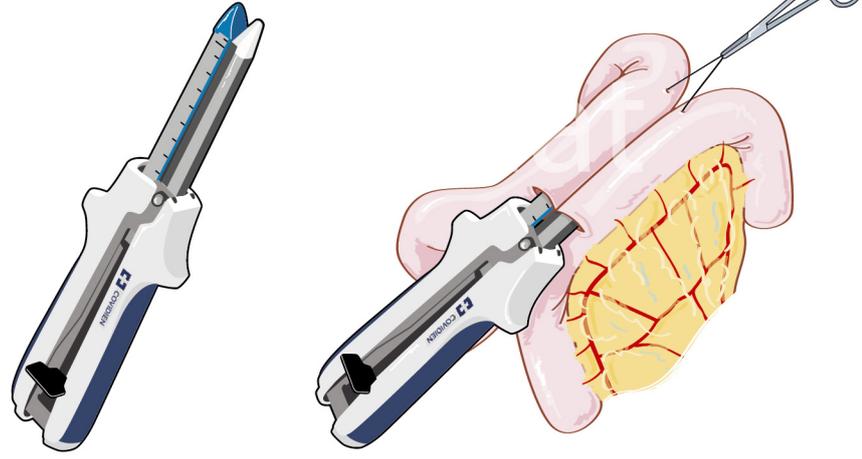
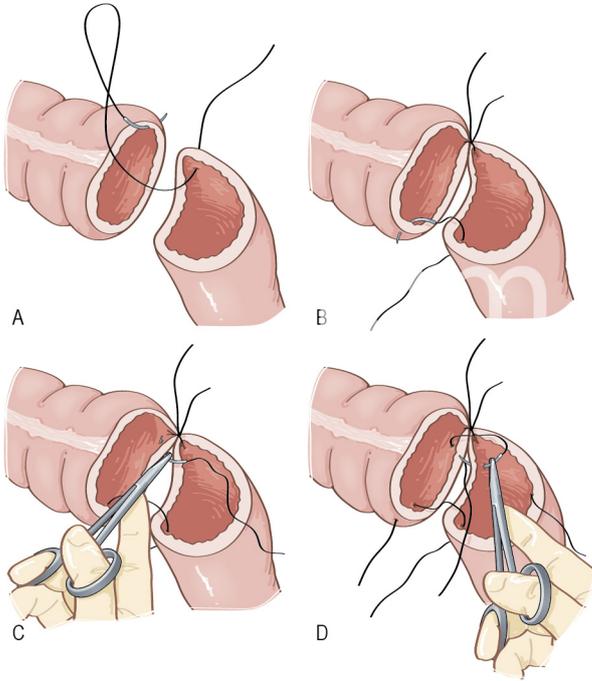




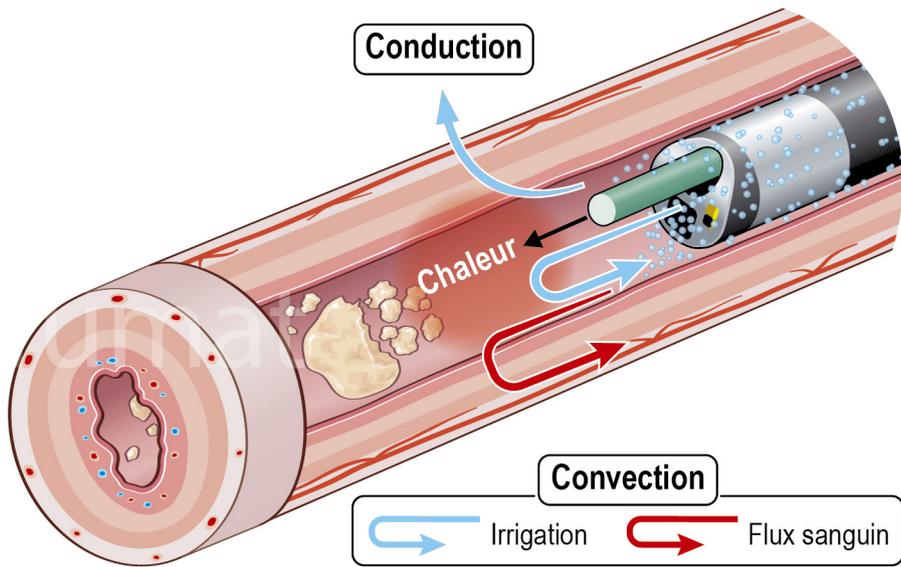


**INSERM U999 Pulmonary Hypertension : Pathophysiology and Novel Therapies**

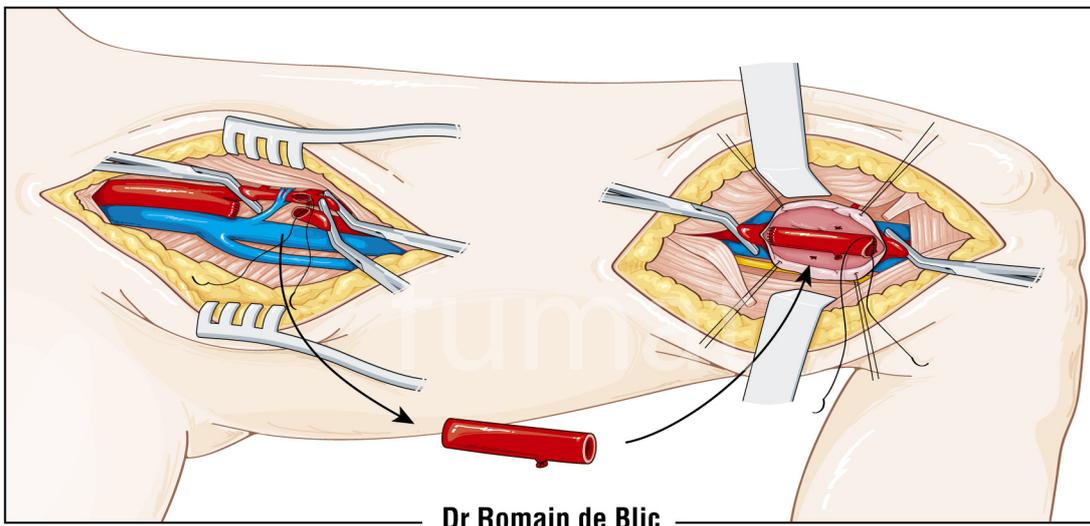




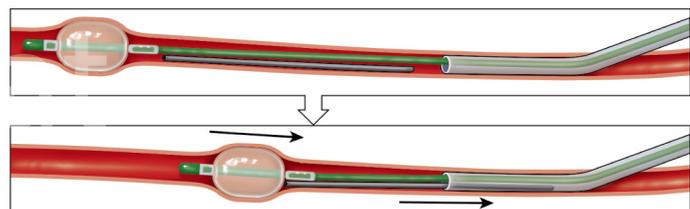
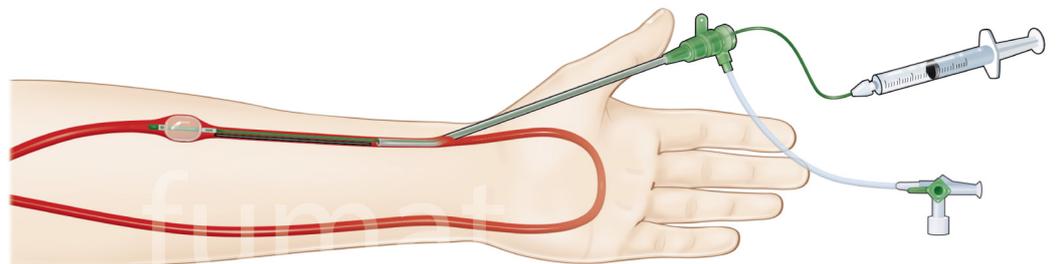
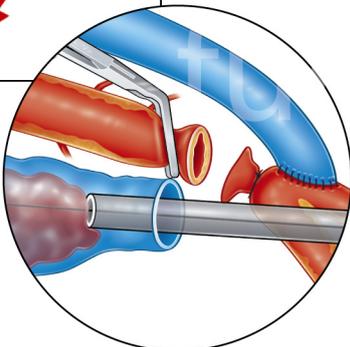
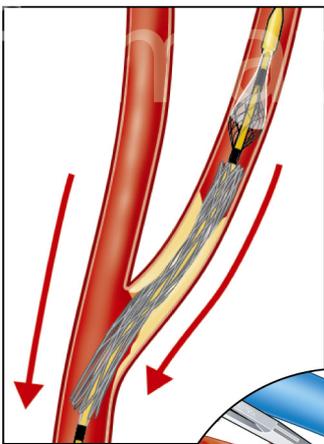
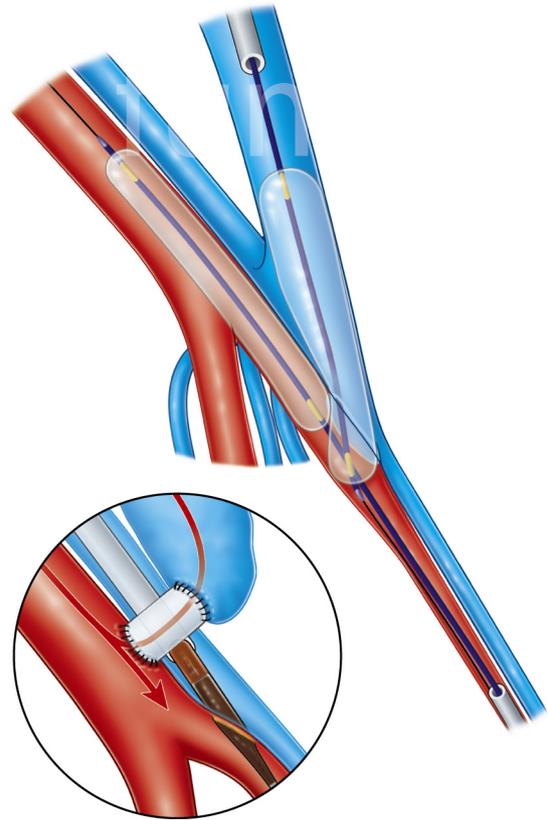
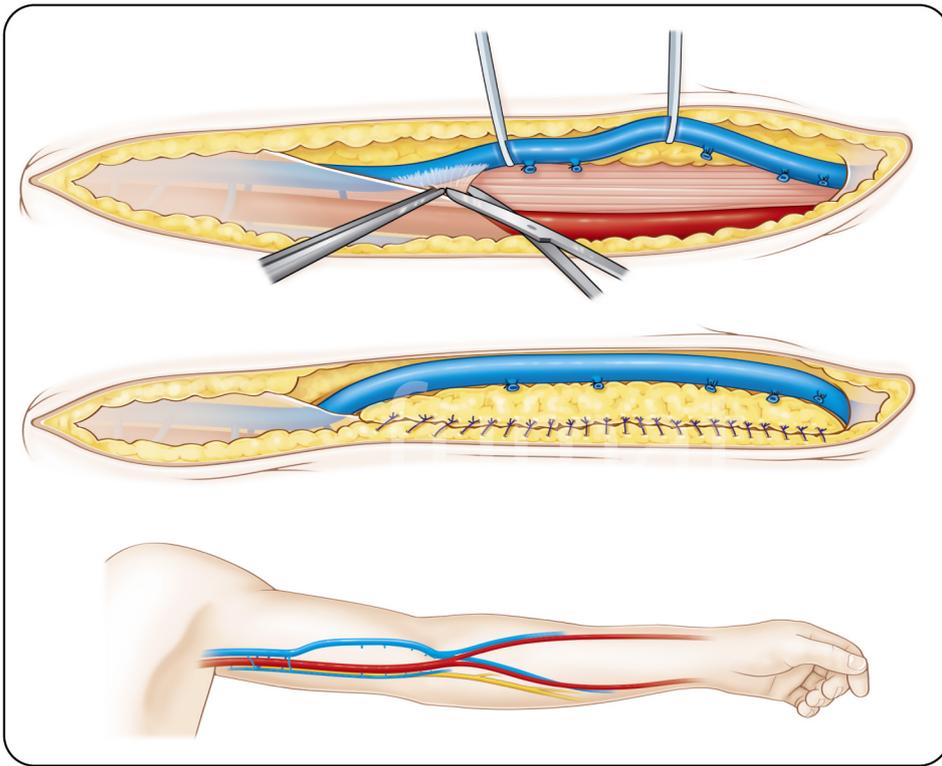
Elsevier Masson



Dr Hoznek



Dr Romain de Blic



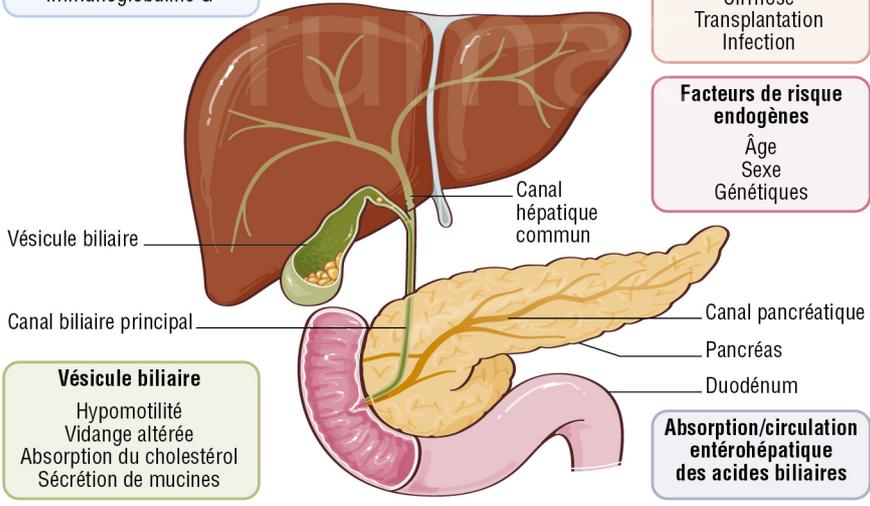
Dr Alexandros Mallios

**Inhibiteurs**  
 Apolipoprotéines A1 et A2  
 Glycoprotéines IgA

**Pronucléateurs**  
 Mucine de la vésicule biliaire  
 Immunoglobuline G

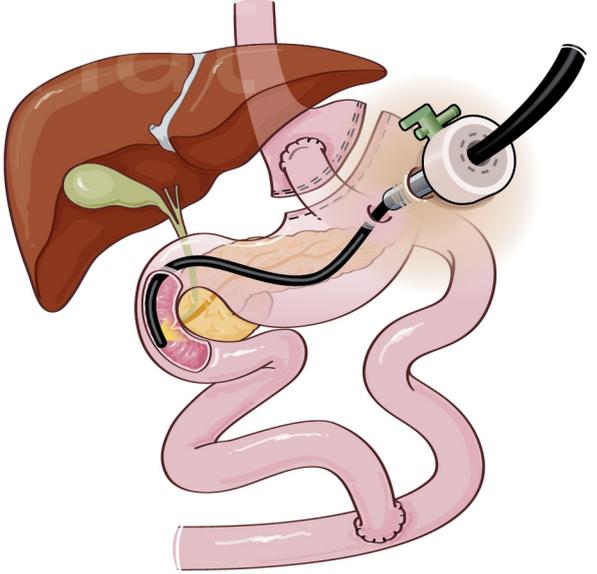
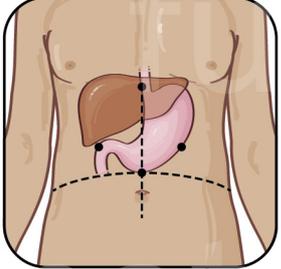
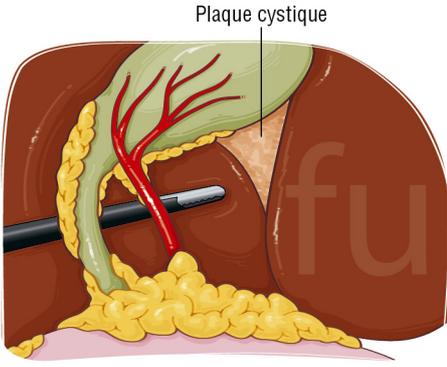
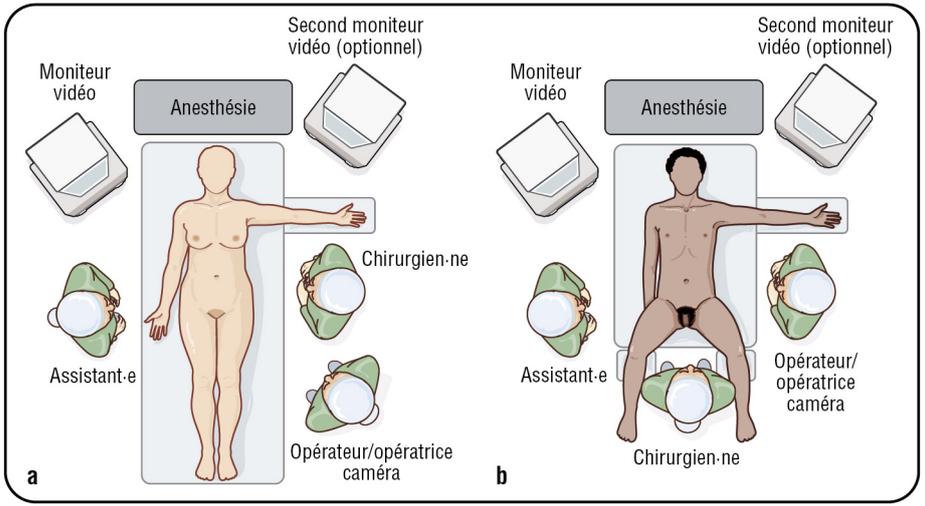
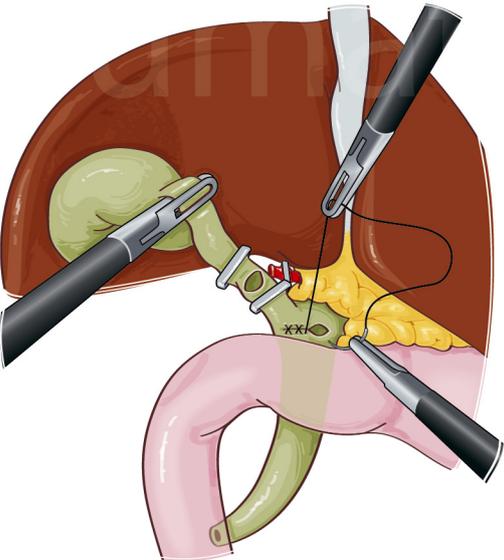
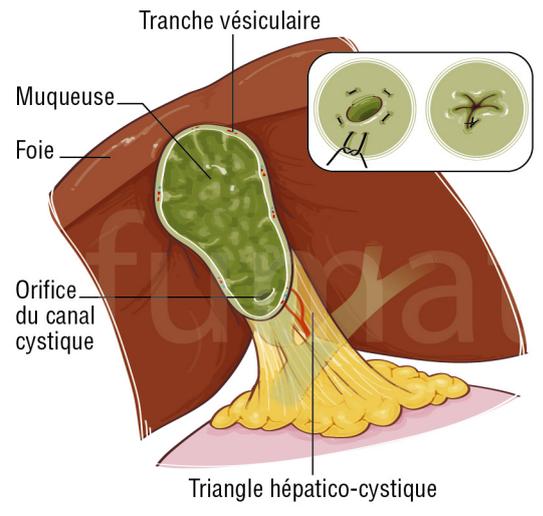
**Facteurs de risque exogènes**  
 Régime alimentaire  
 Activité physique  
 Syndrome métabolique  
 Médicaments  
 Grossesse  
 Cirrhose  
 Transplantation  
 Infection

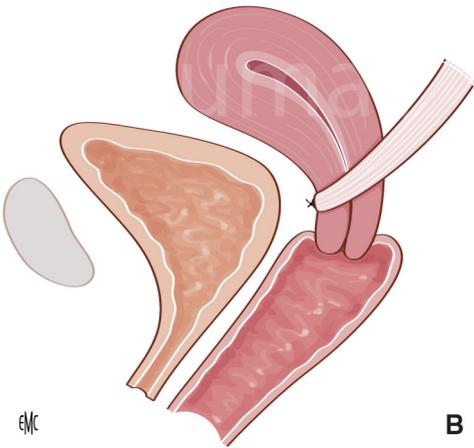
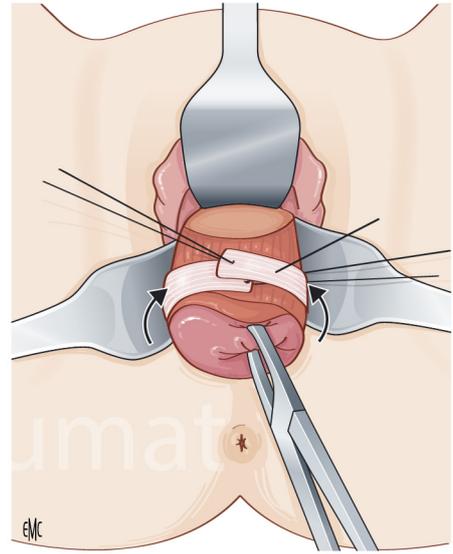
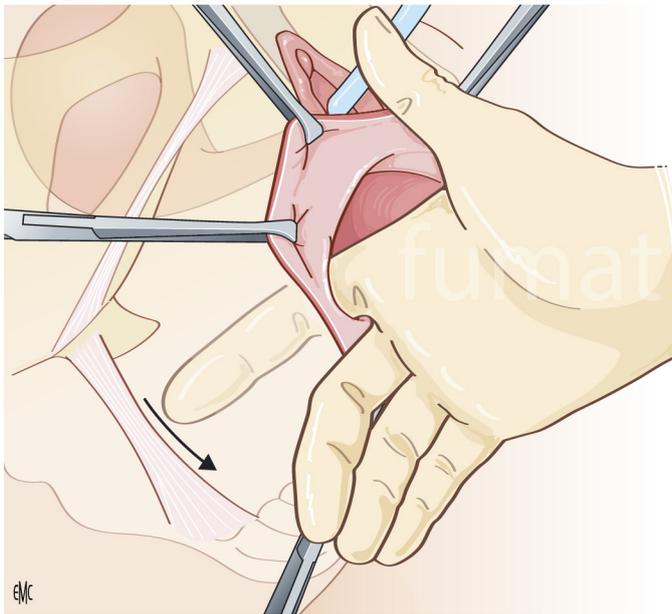
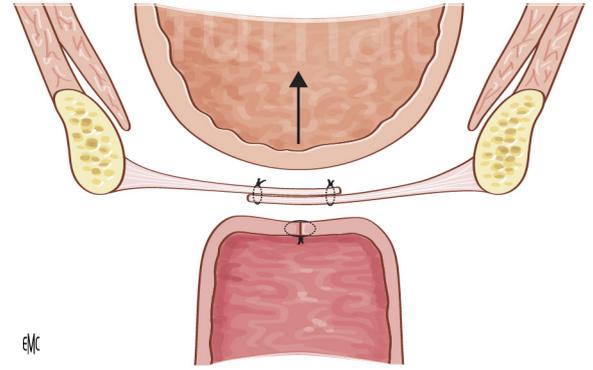
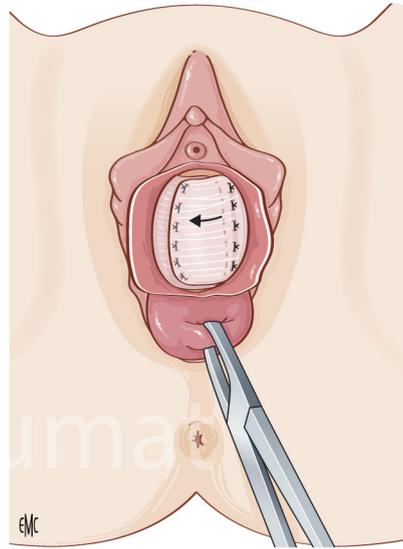
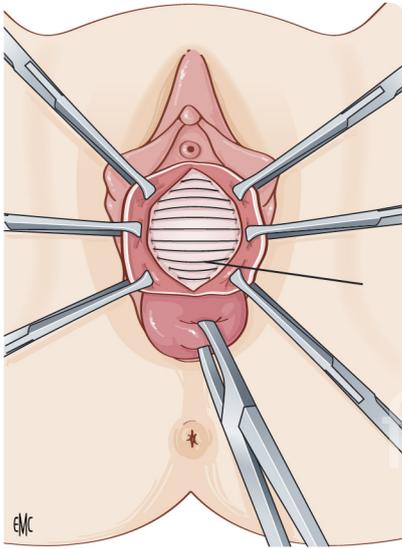
**Facteurs de risque endogènes**  
 Âge  
 Sexe  
 Génétiques



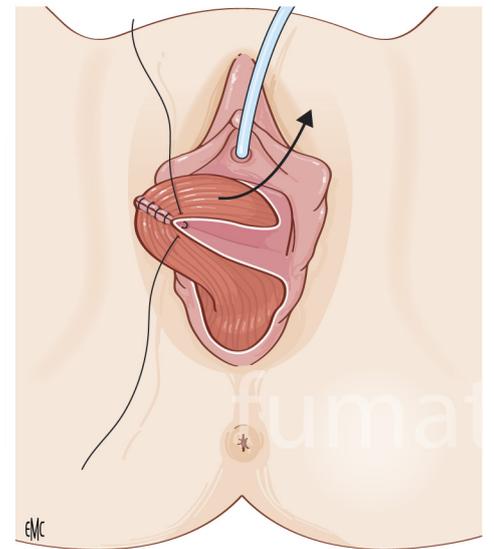
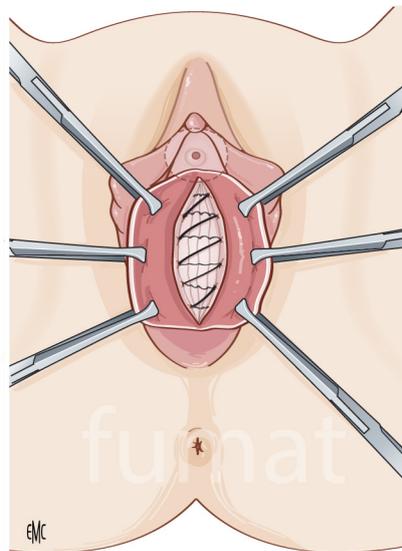
**Vésicule biliaire**  
 Hypomotilité  
 Vidange altérée  
 Absorption du cholestérol  
 Sécrétion de mucines

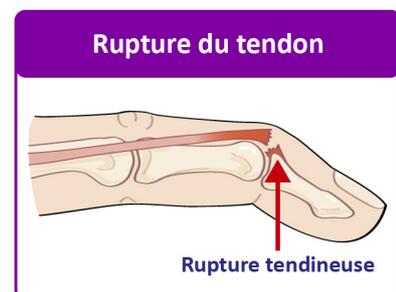
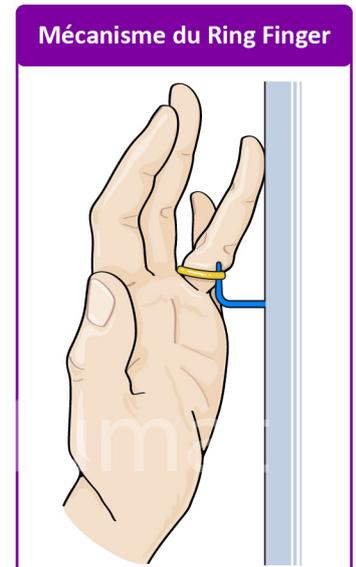
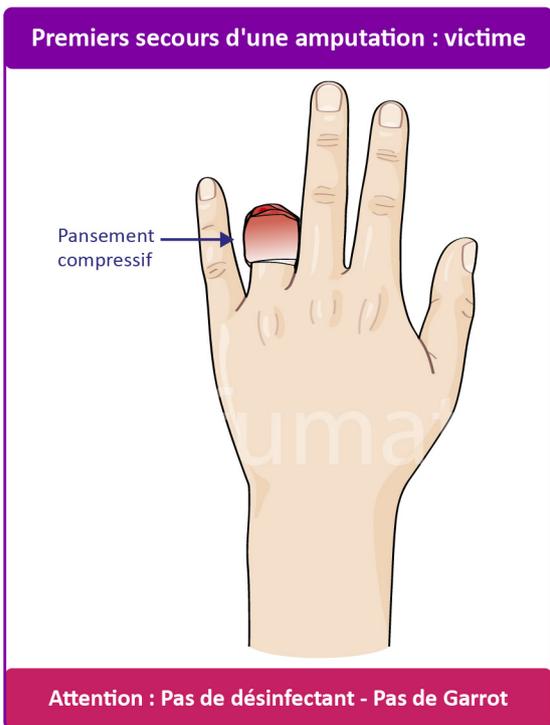
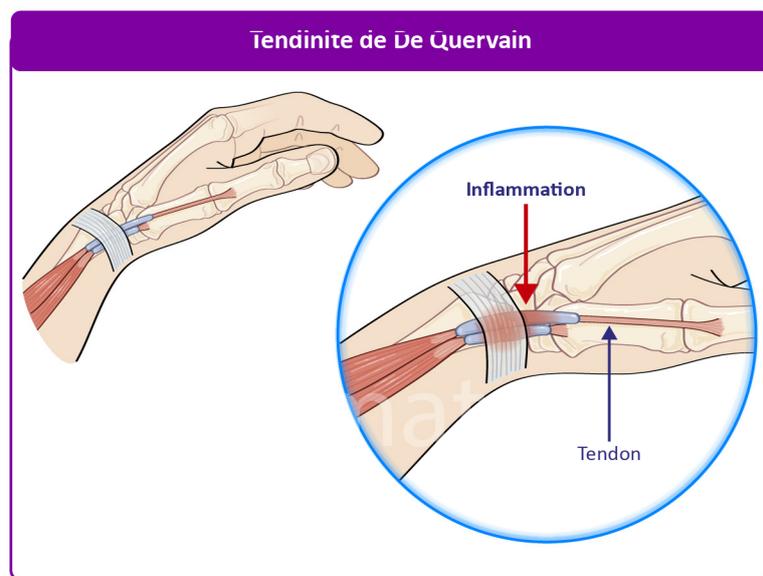
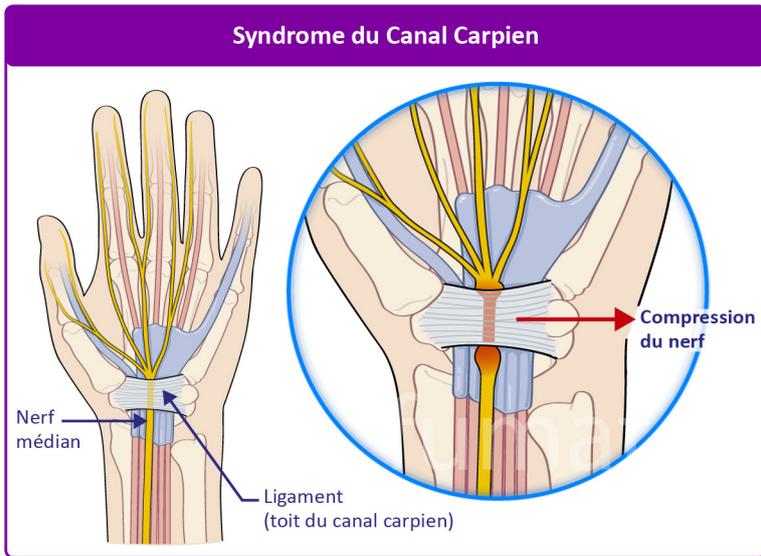
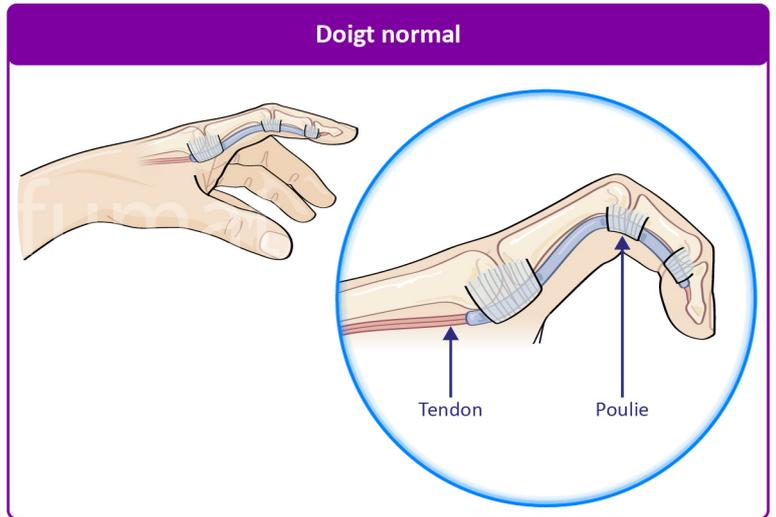
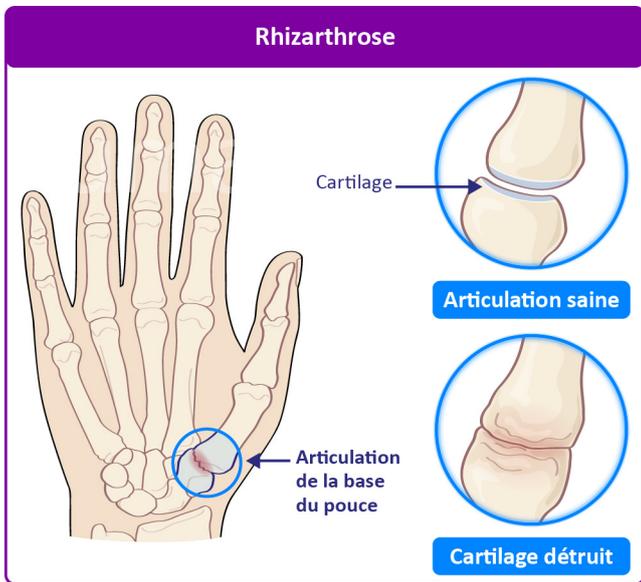
**Absorption/circulation entérohépatique des acides biliaires**

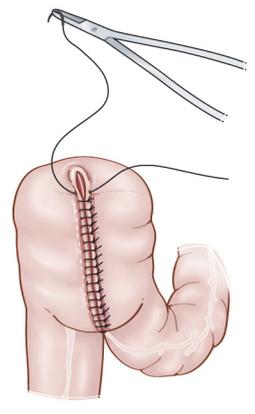
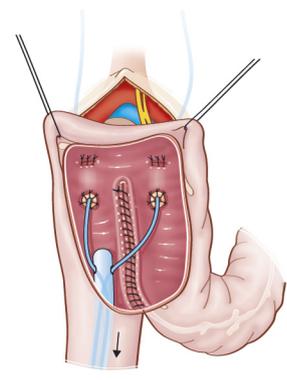
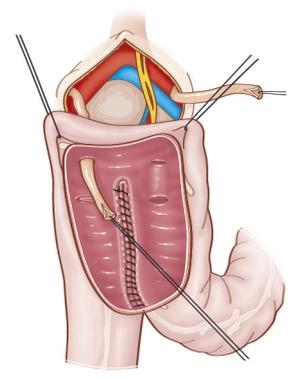
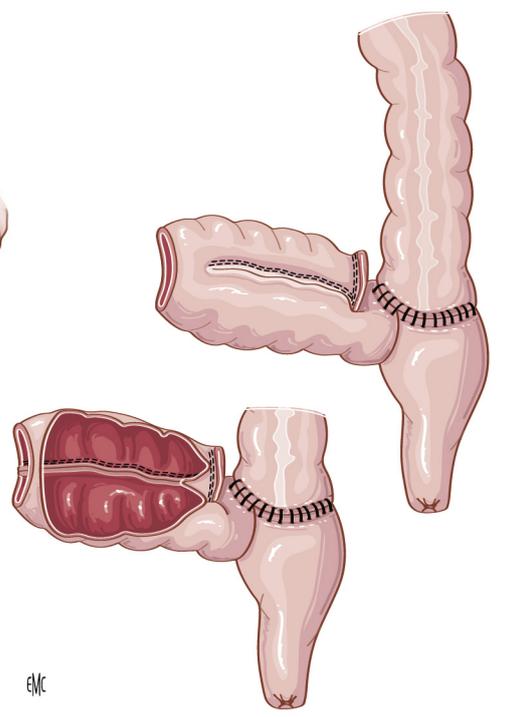
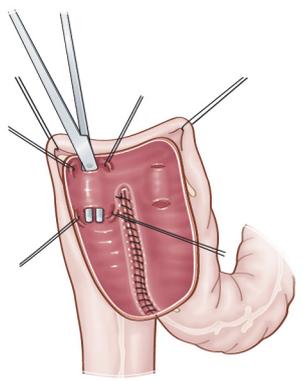
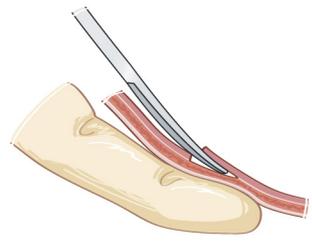
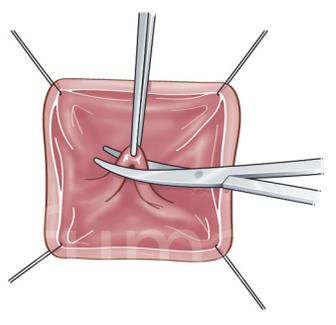
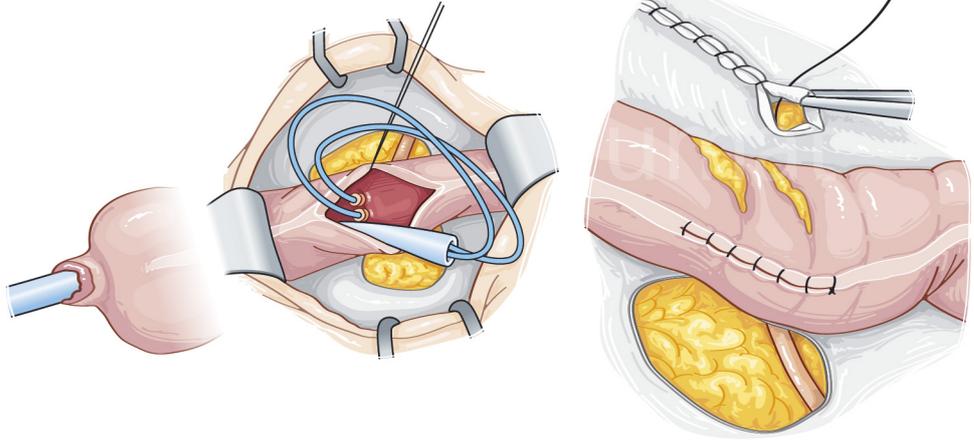
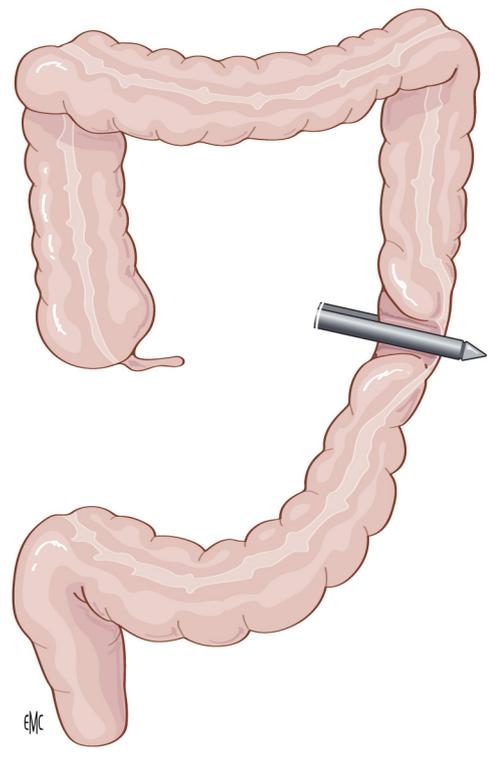
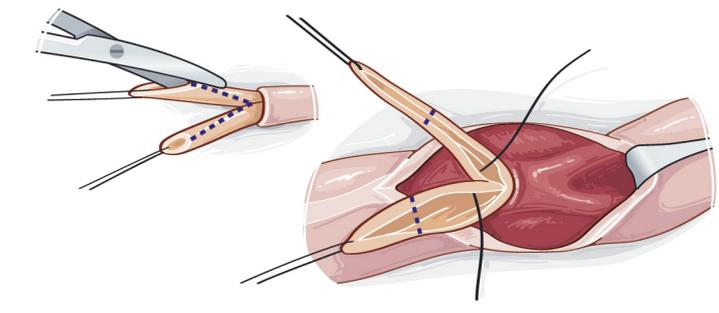
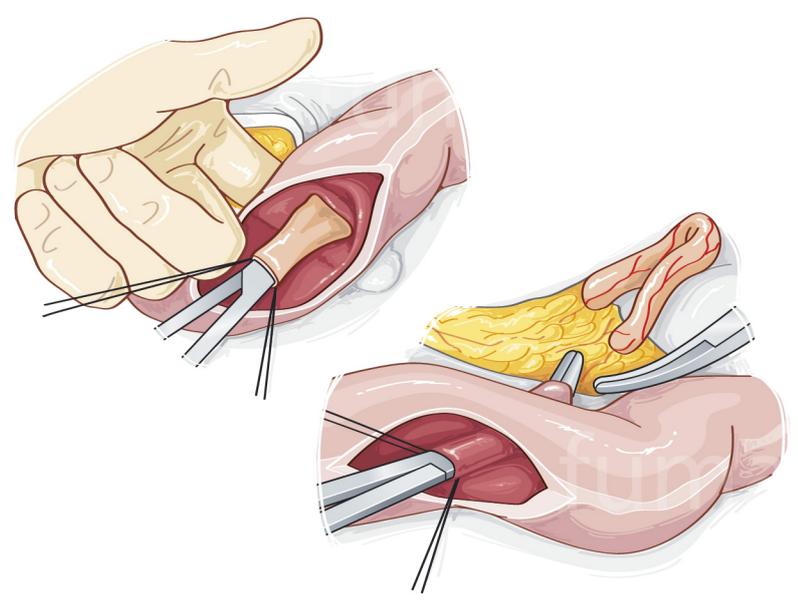
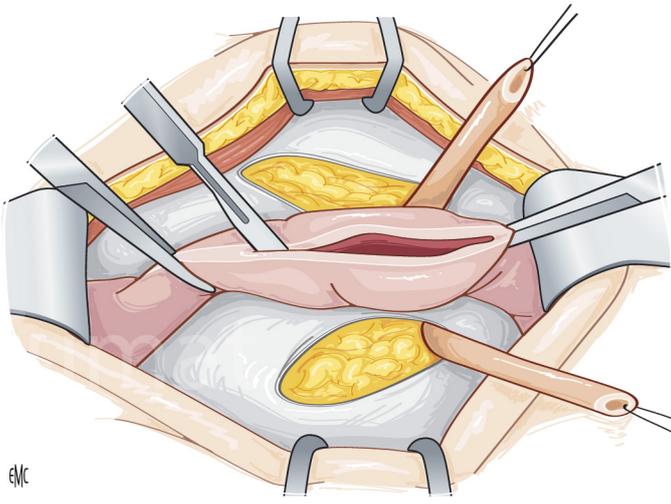


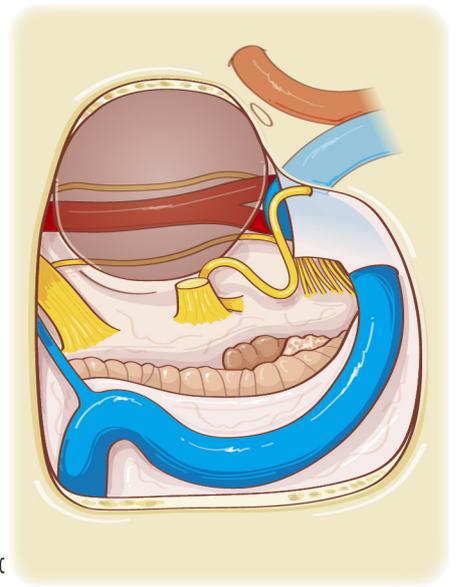
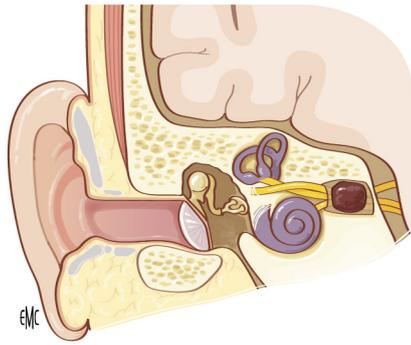
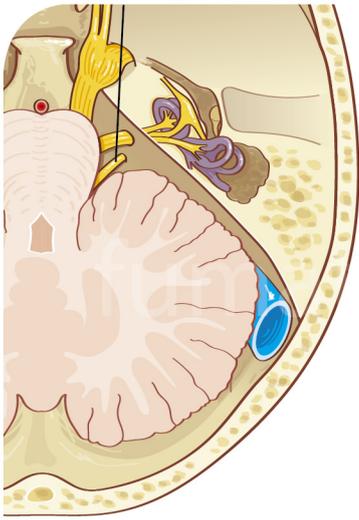


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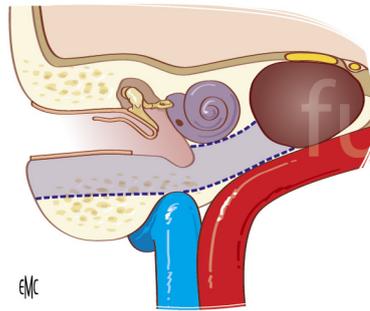
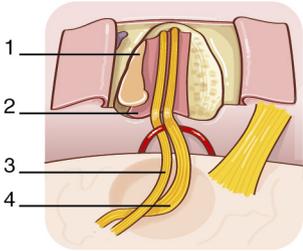




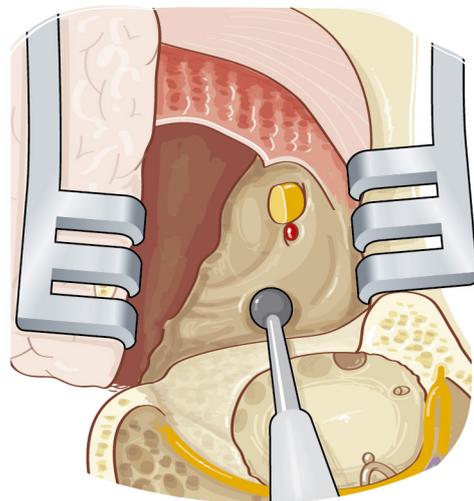
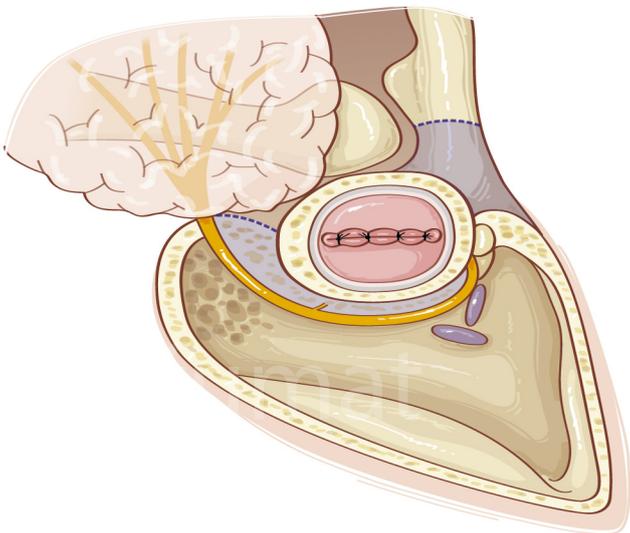
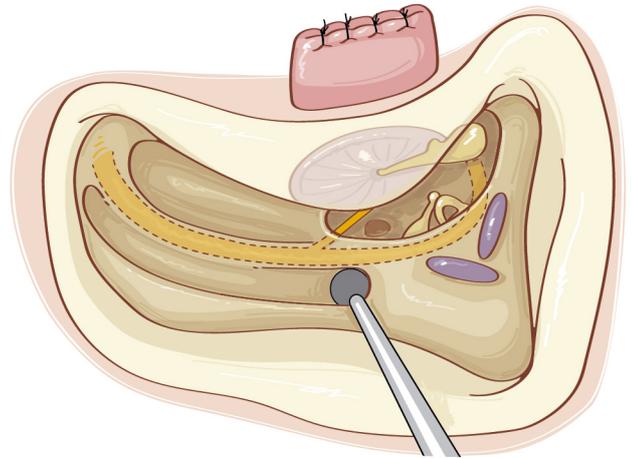
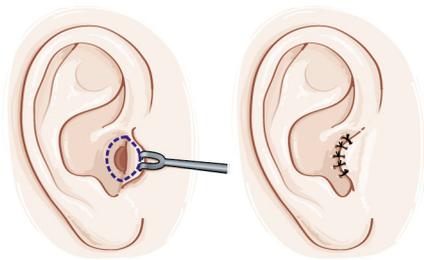
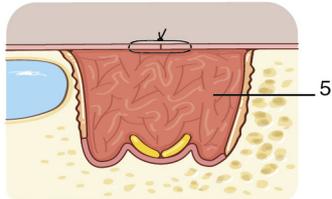
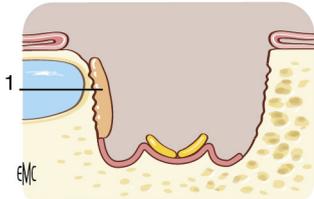


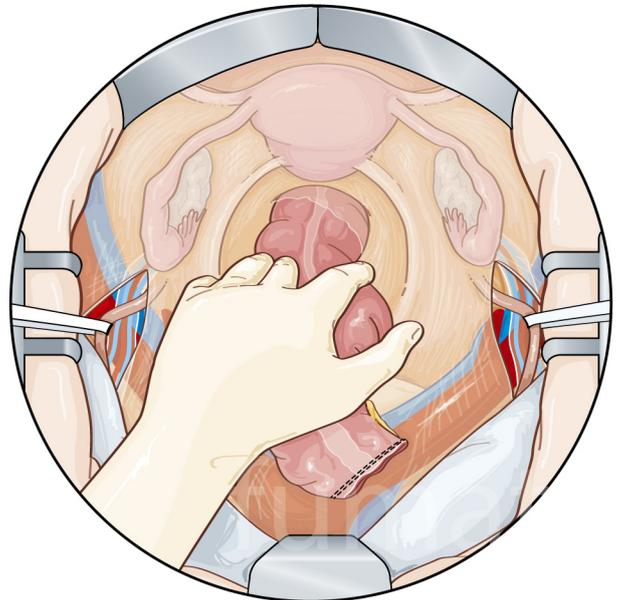
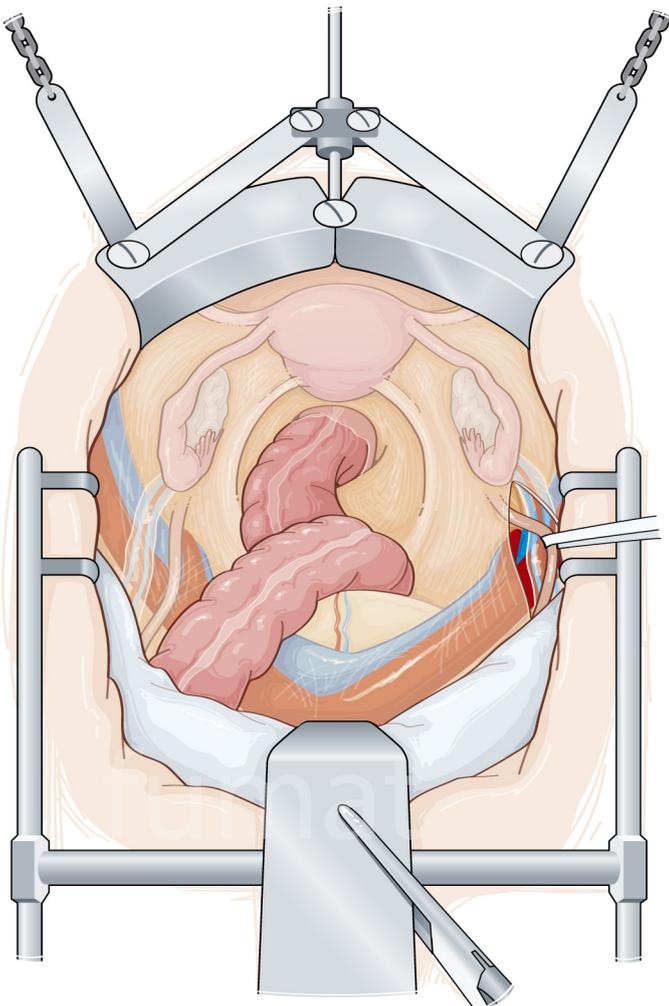
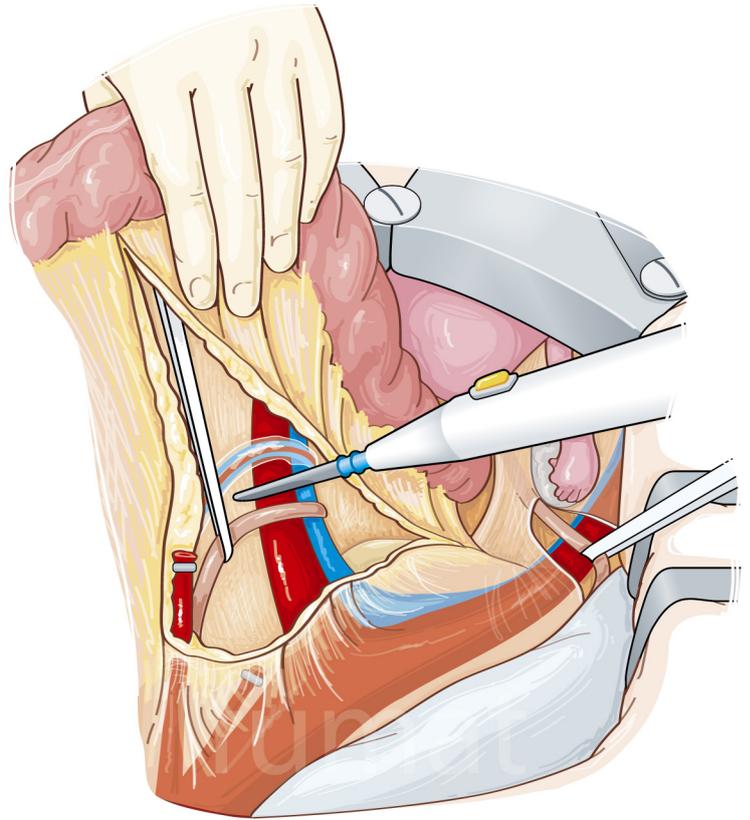
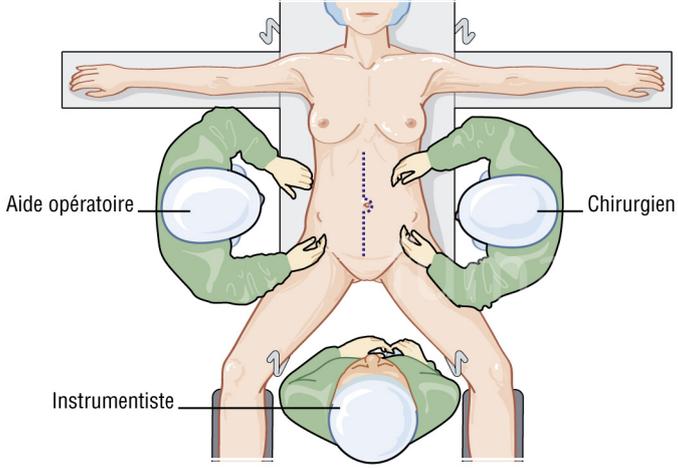
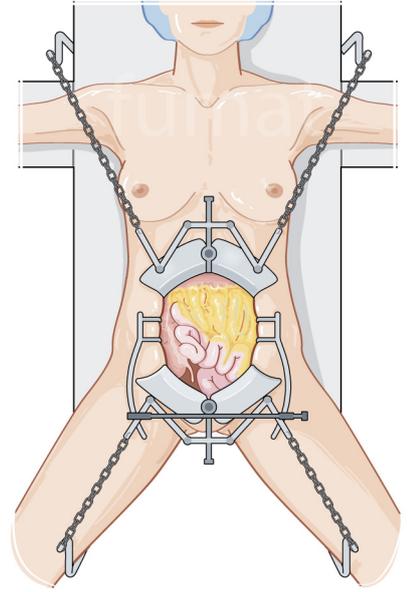
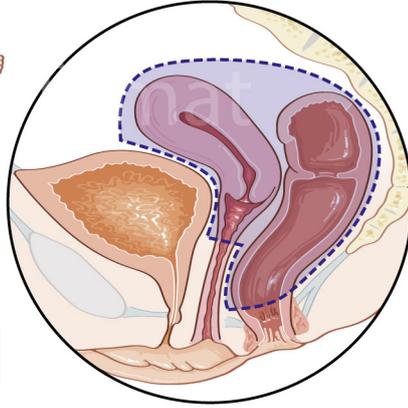
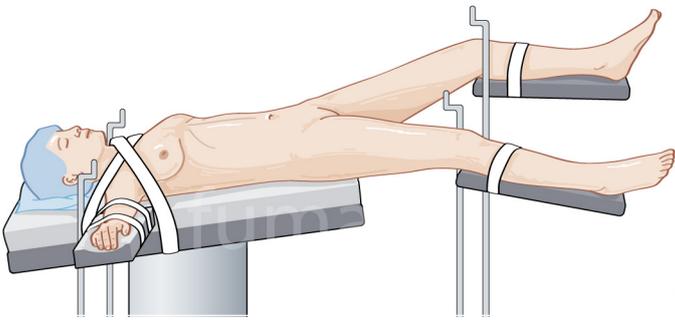


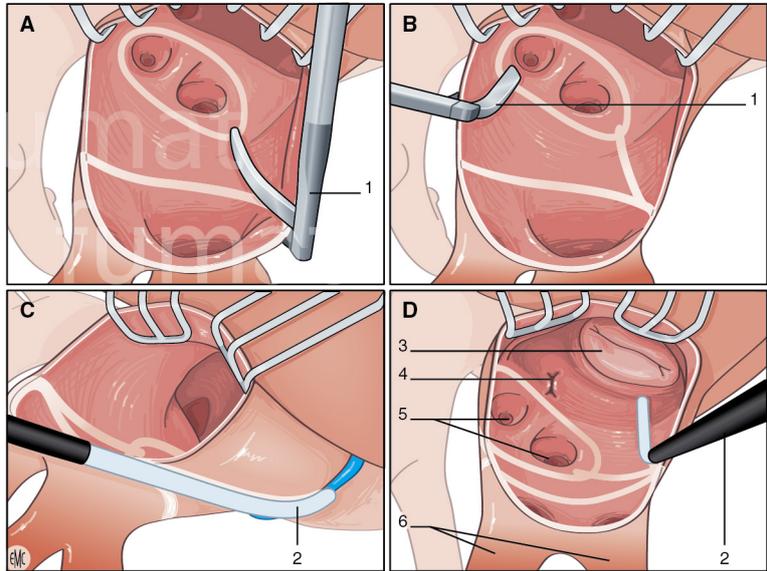
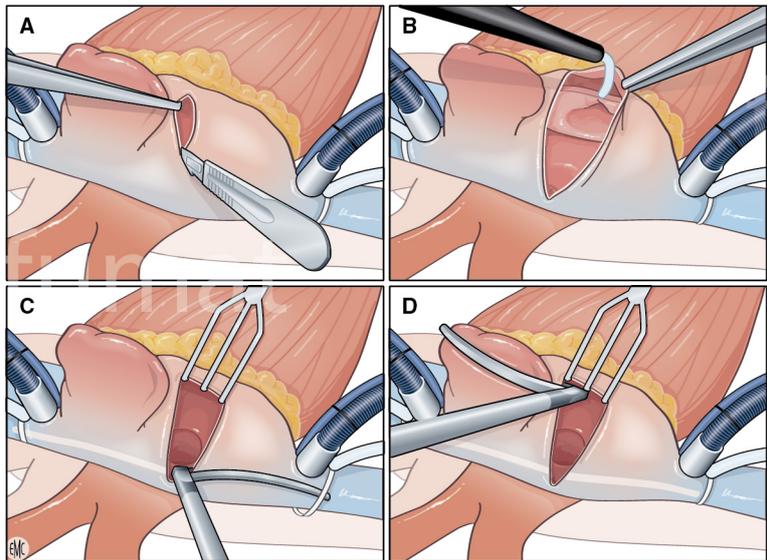
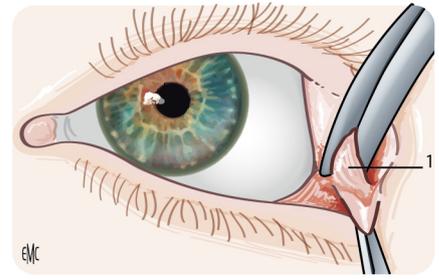
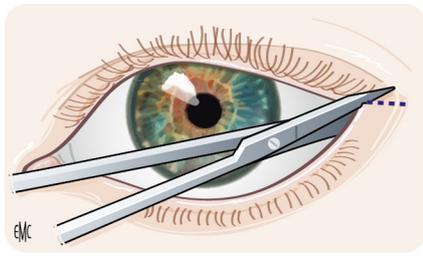
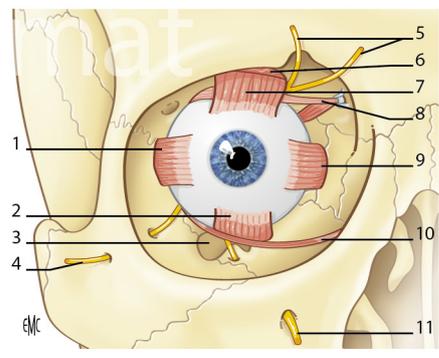
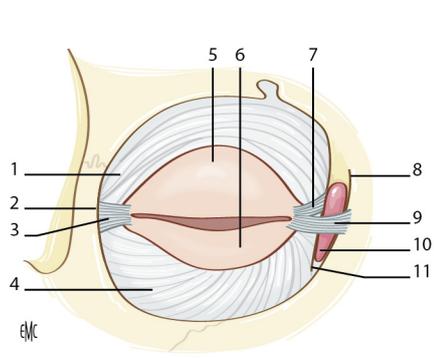
**Vue chirurgicale**



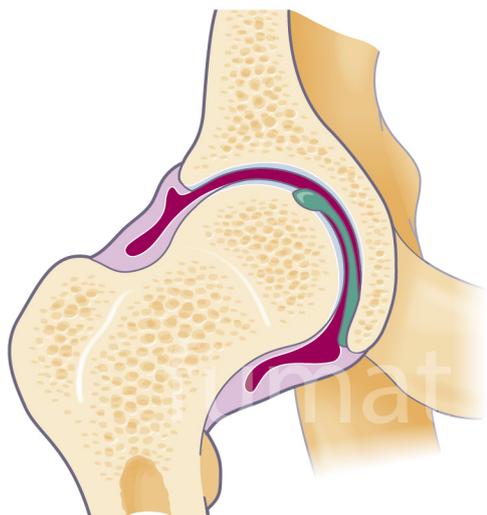
**Coupe axiale**



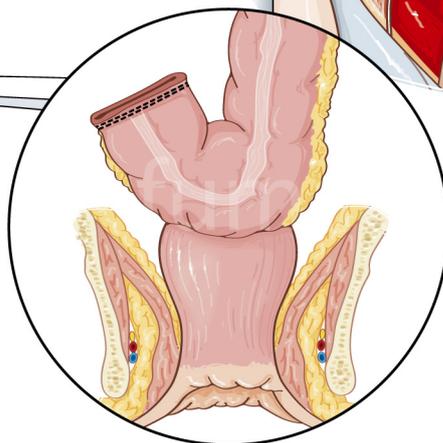
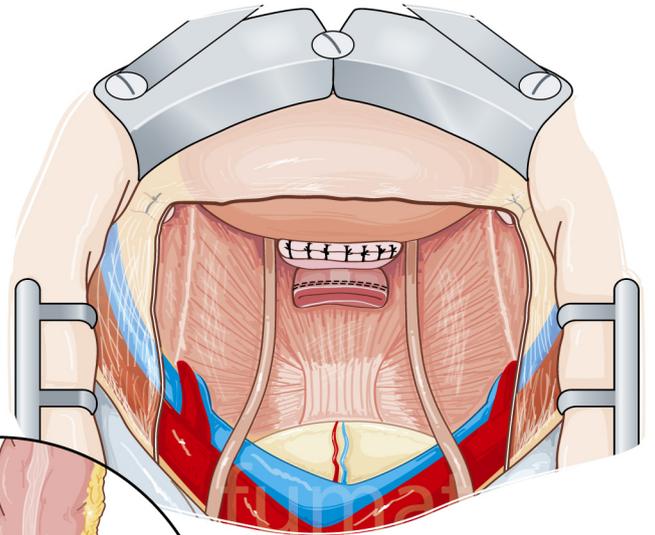
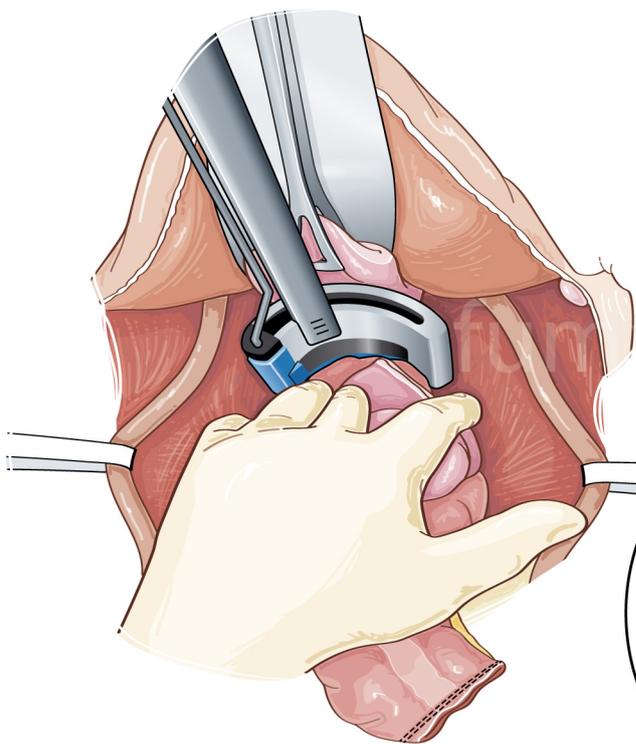
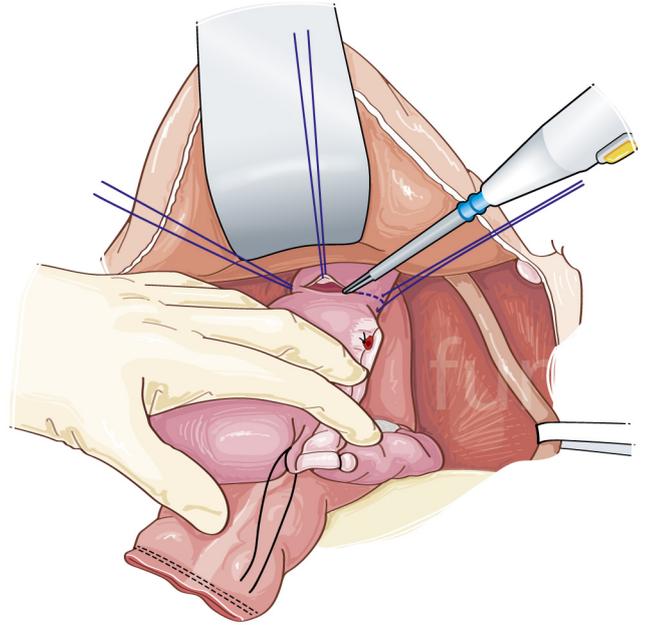
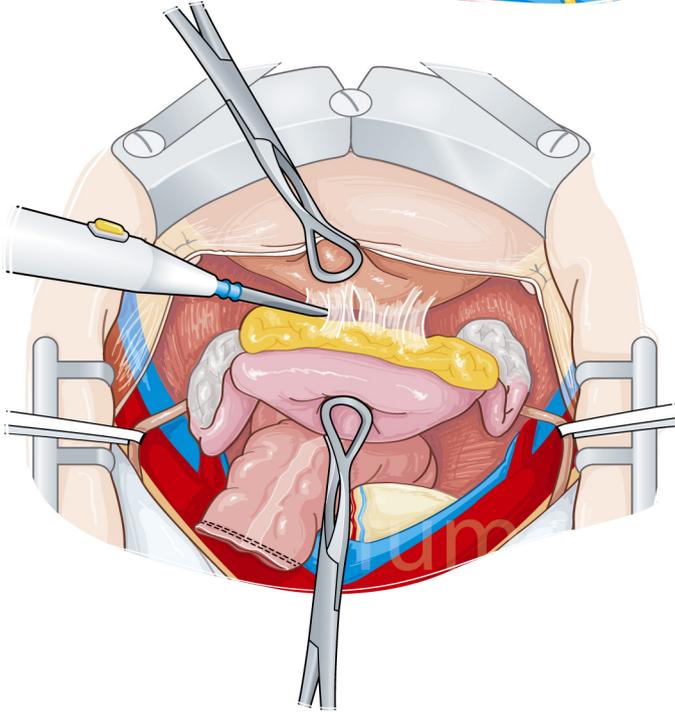
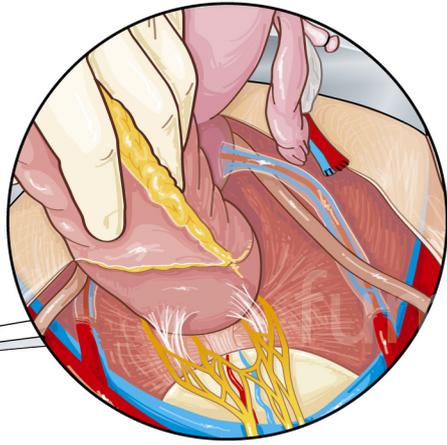
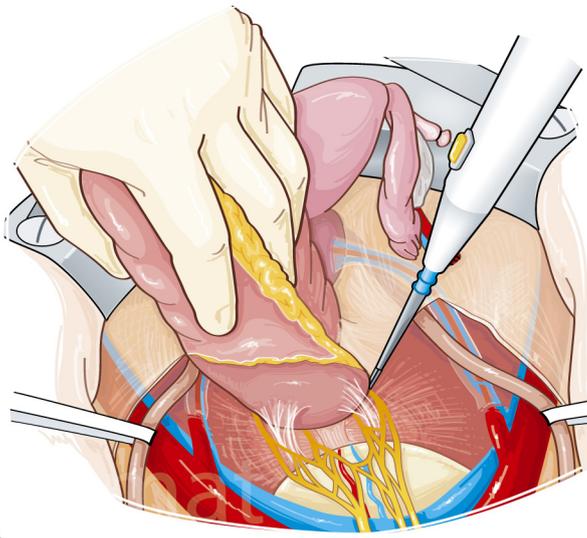


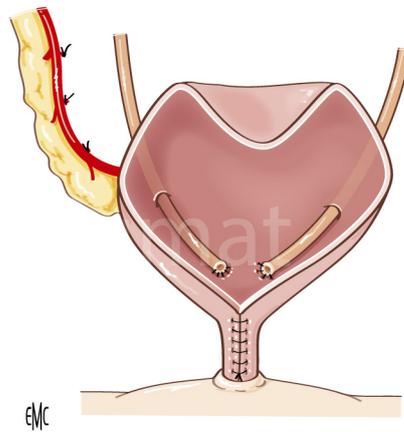
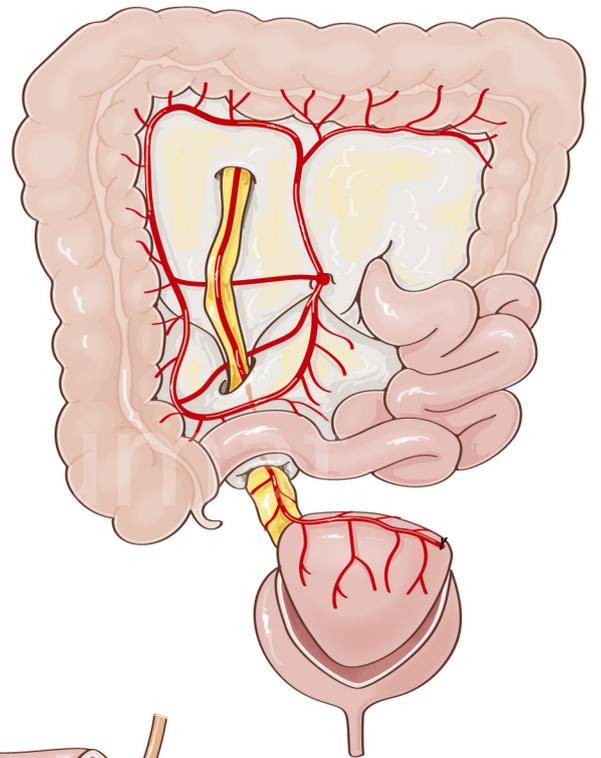
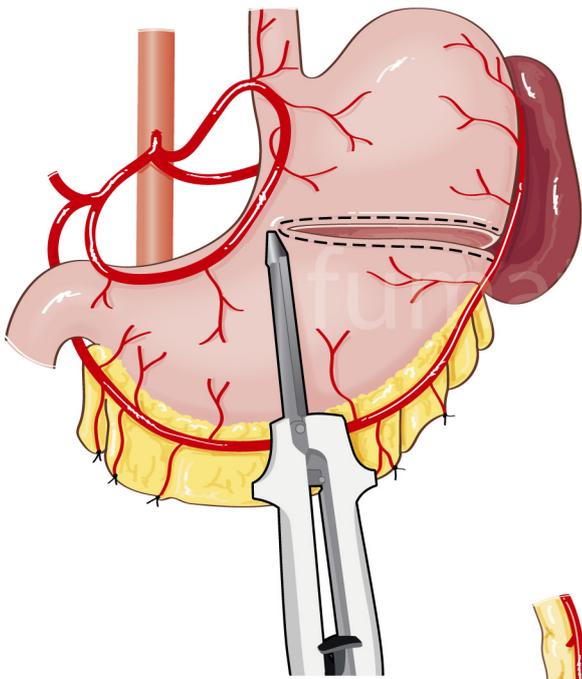


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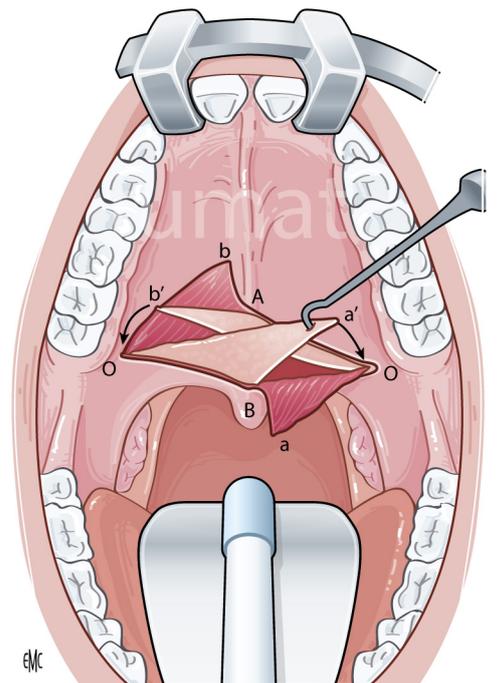
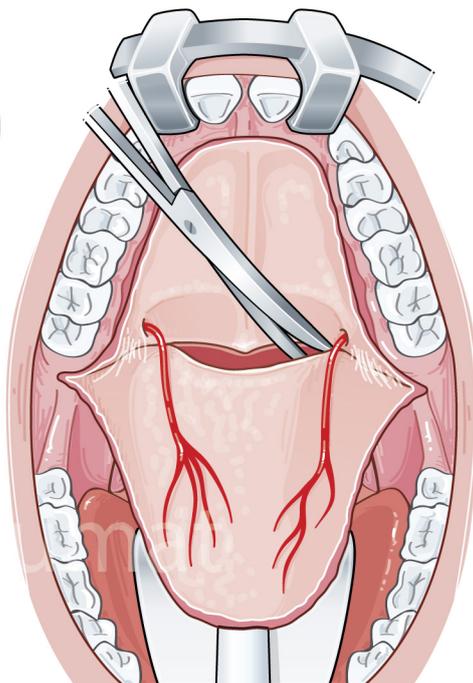
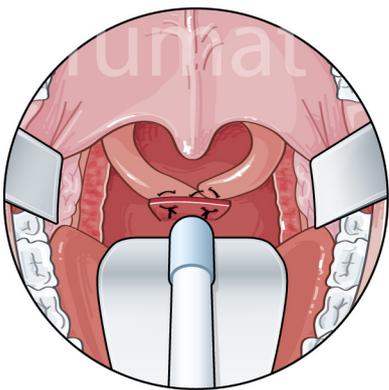


Agence communication santé

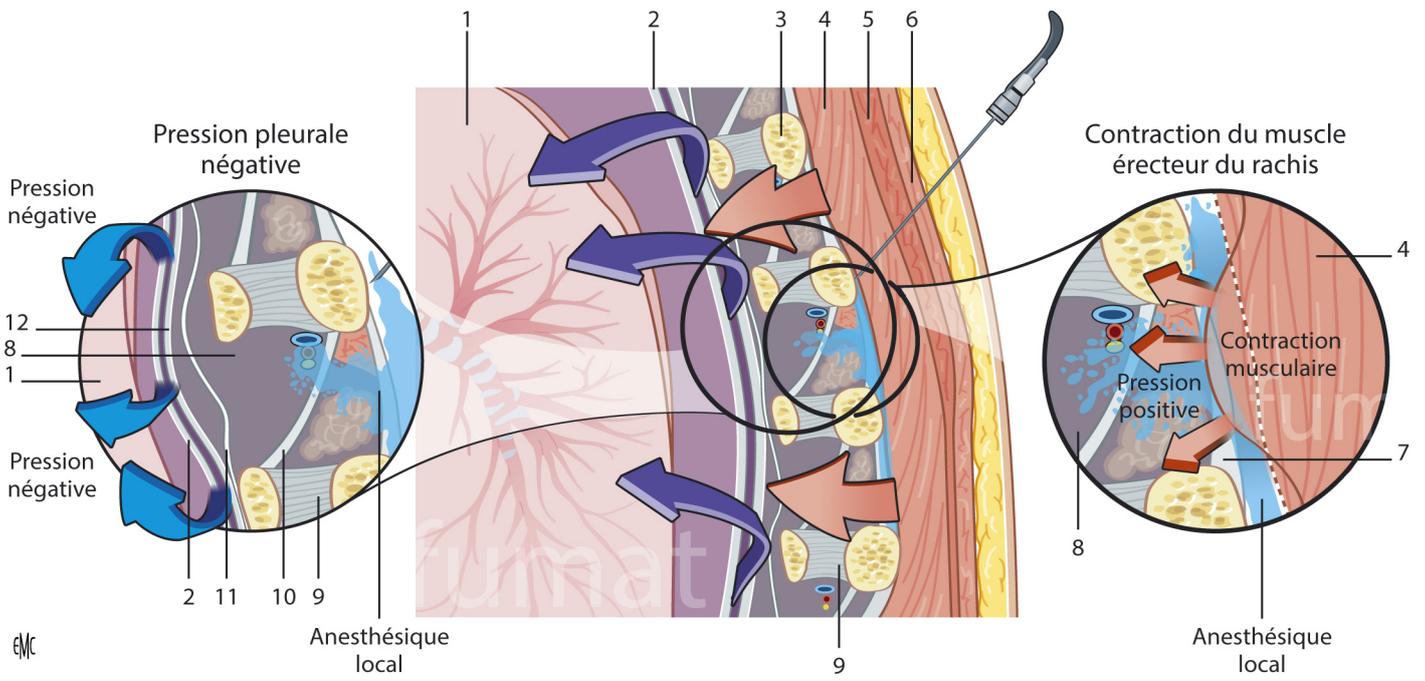




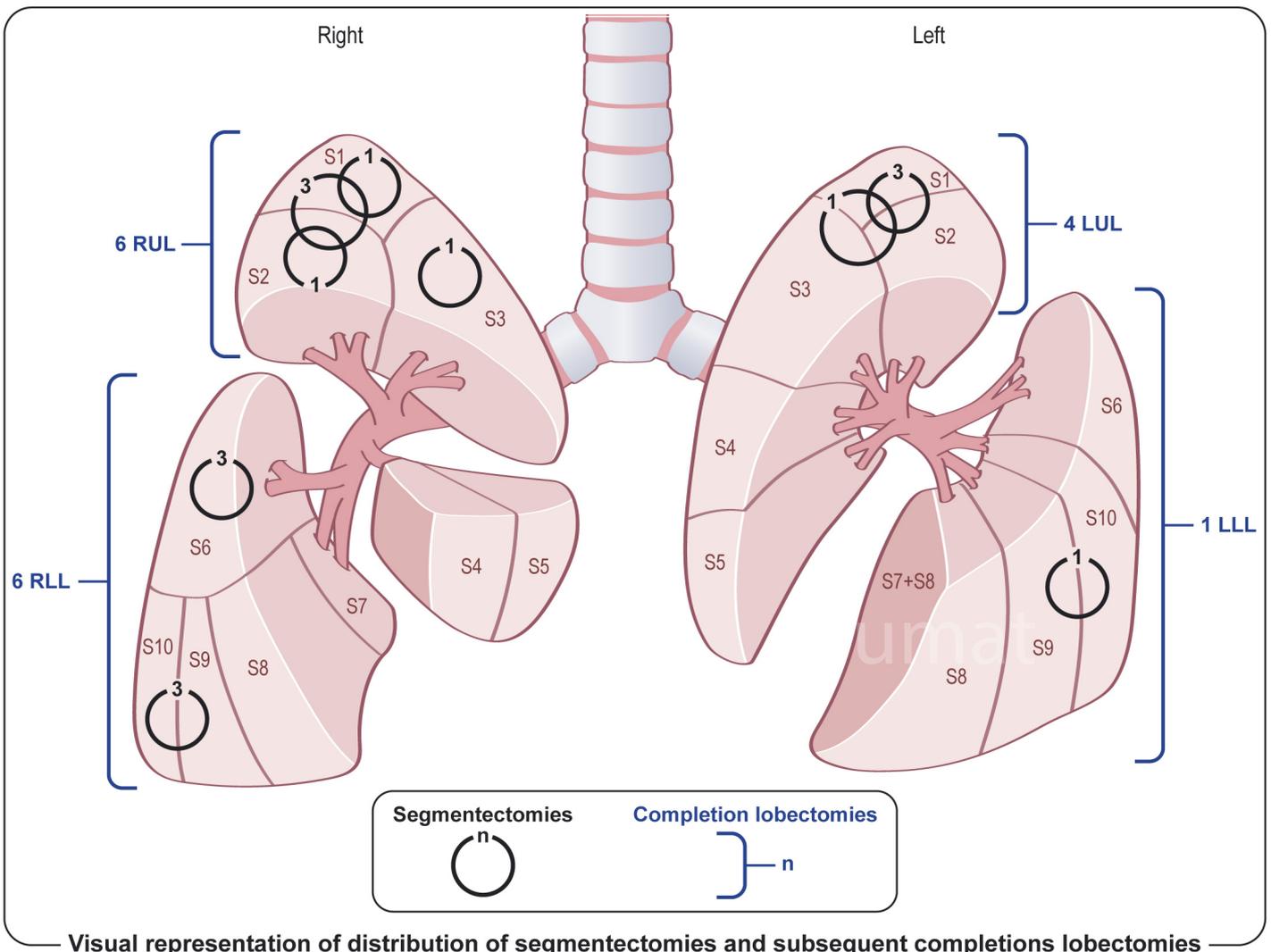
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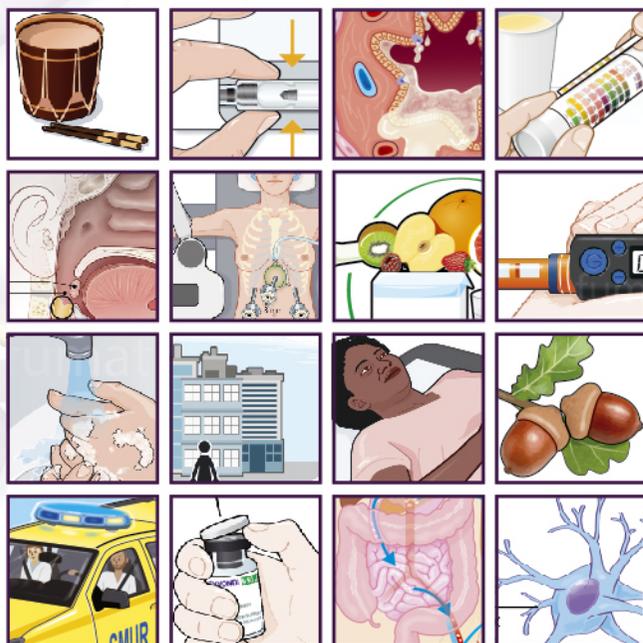
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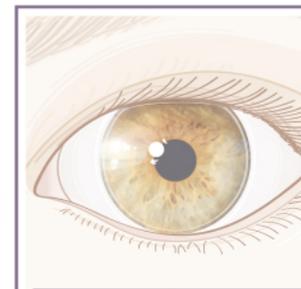
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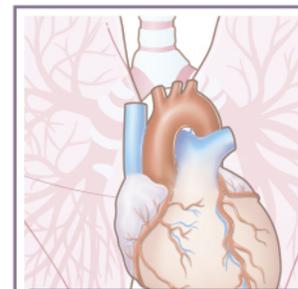
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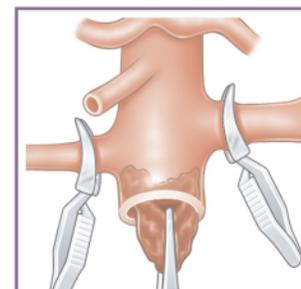
# Illustration médicale & scientifique



Page d'accueil



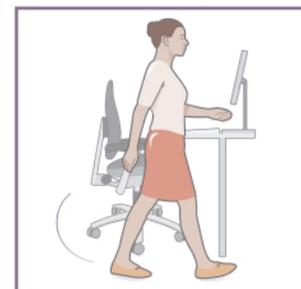
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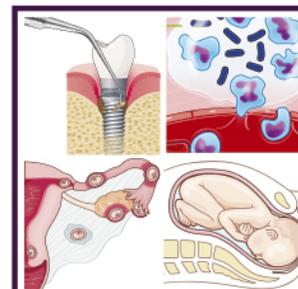
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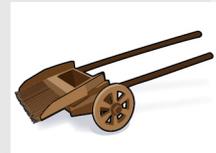
Microscopie



Personnages



Divers



A



B



C



D



E



F



G



H



I



J



K



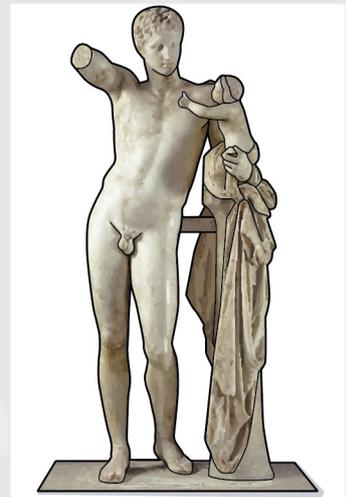
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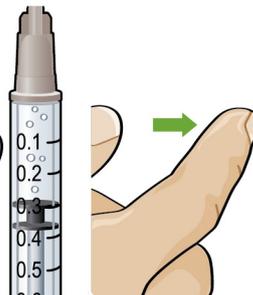
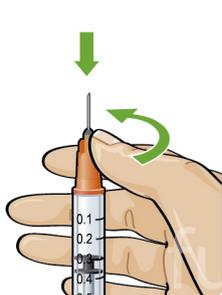
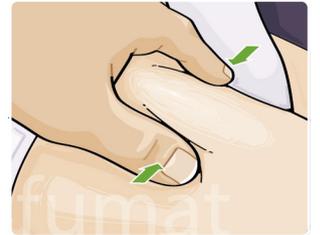
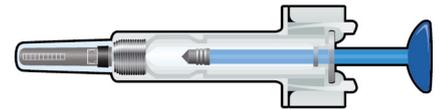
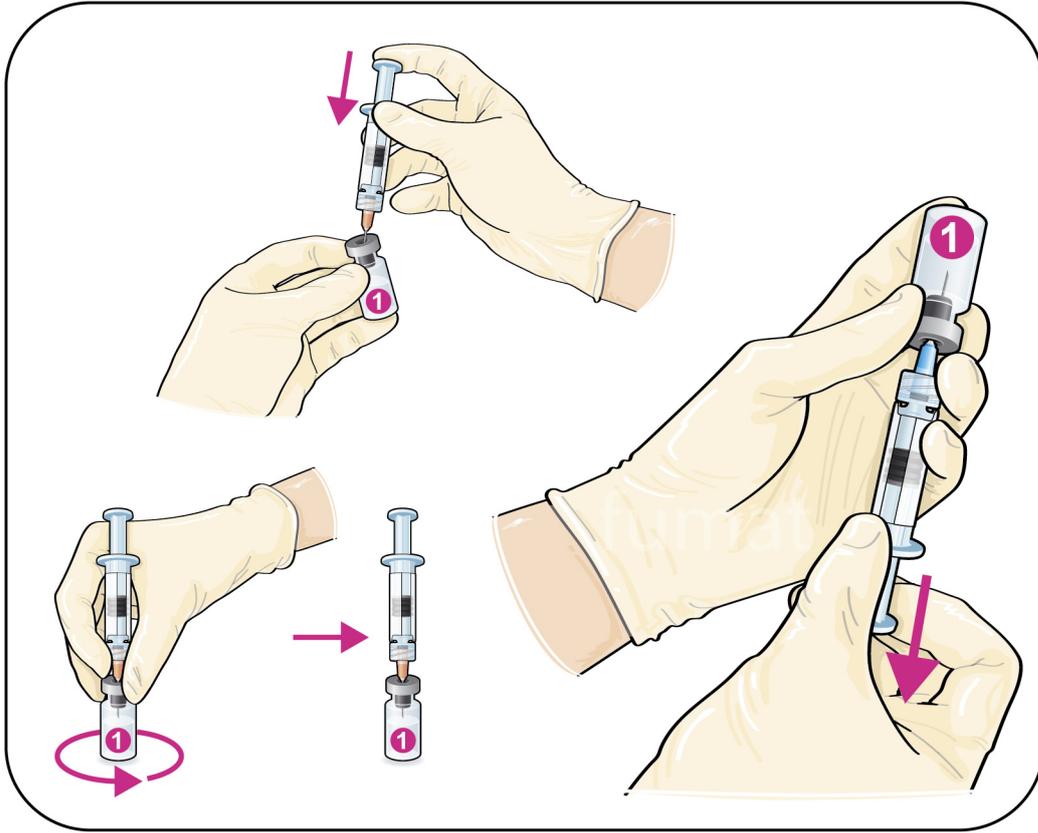
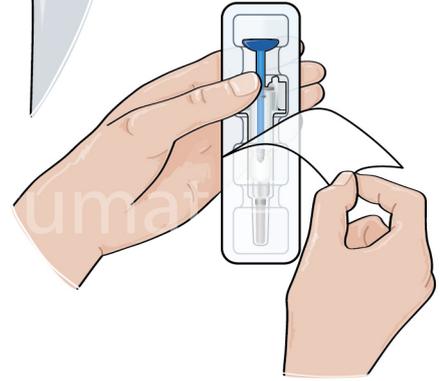
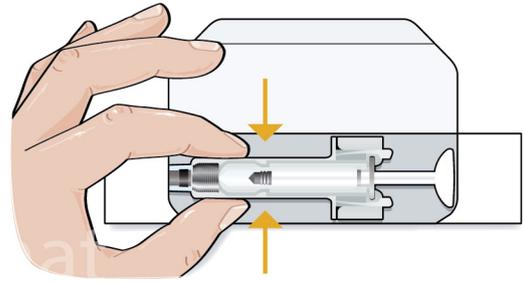
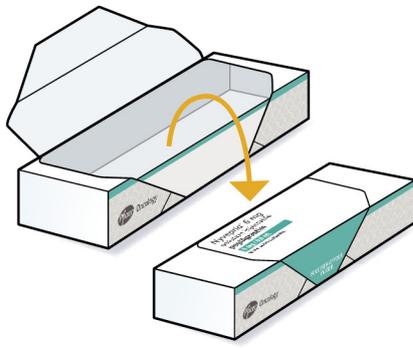
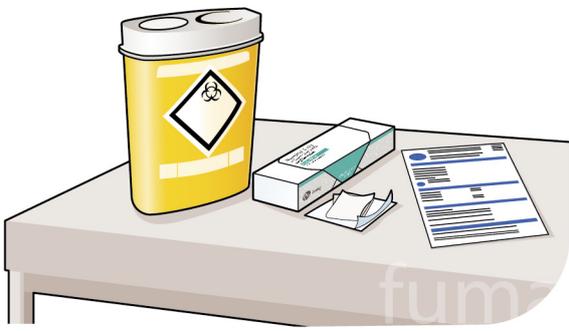


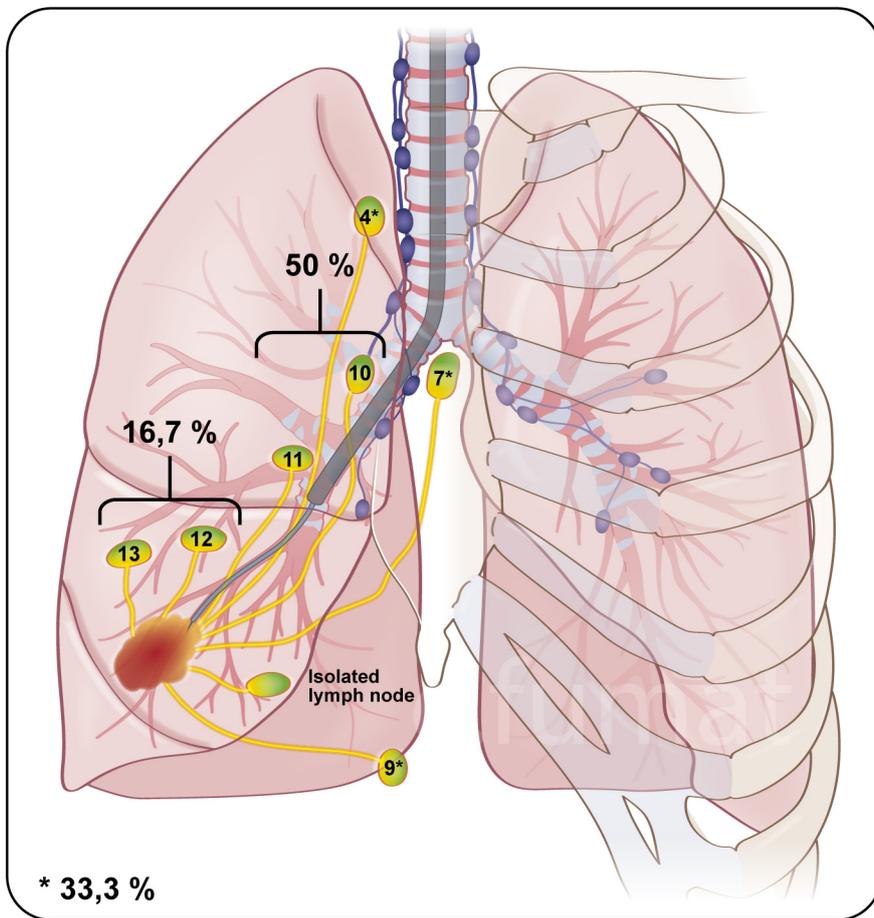
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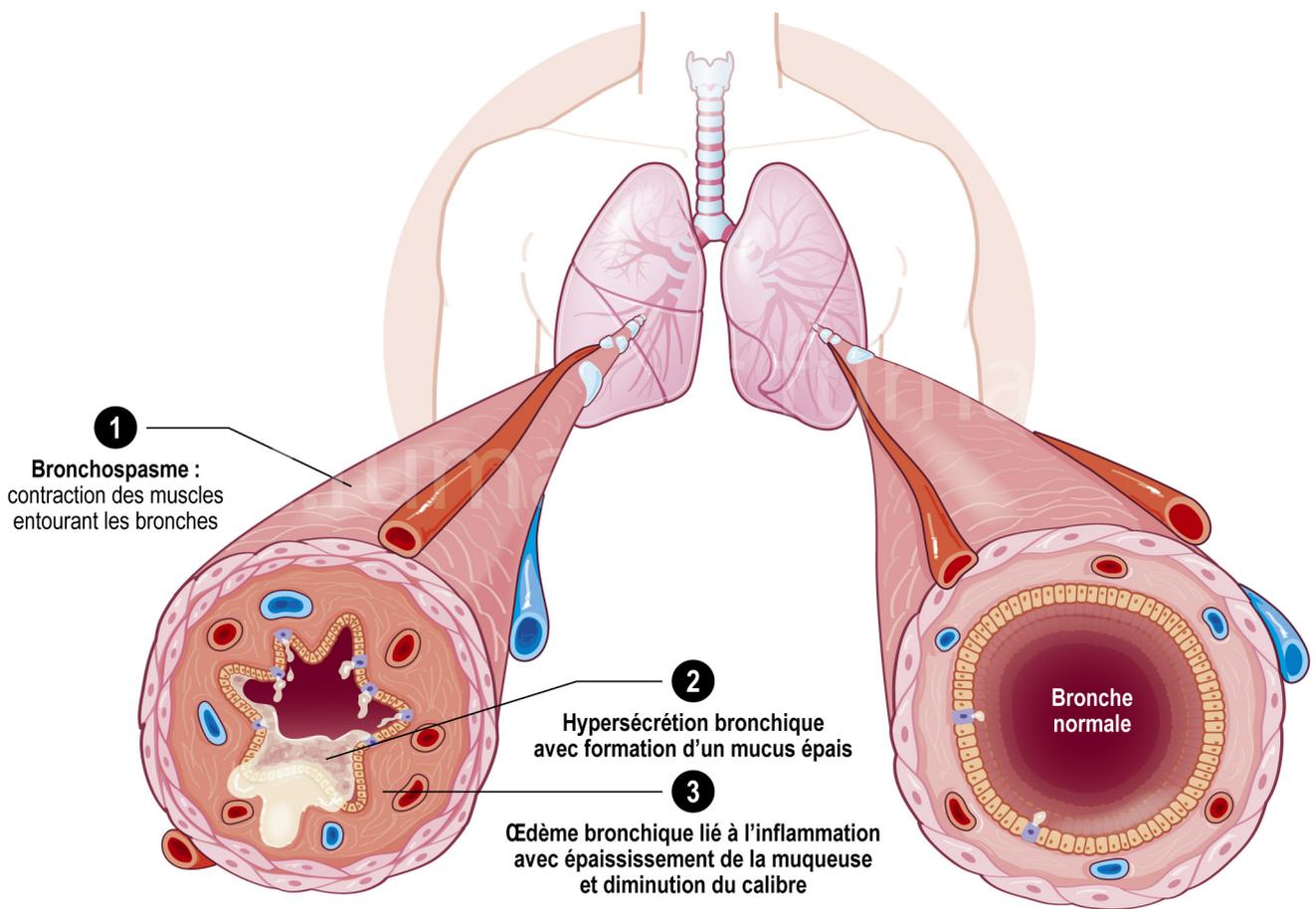
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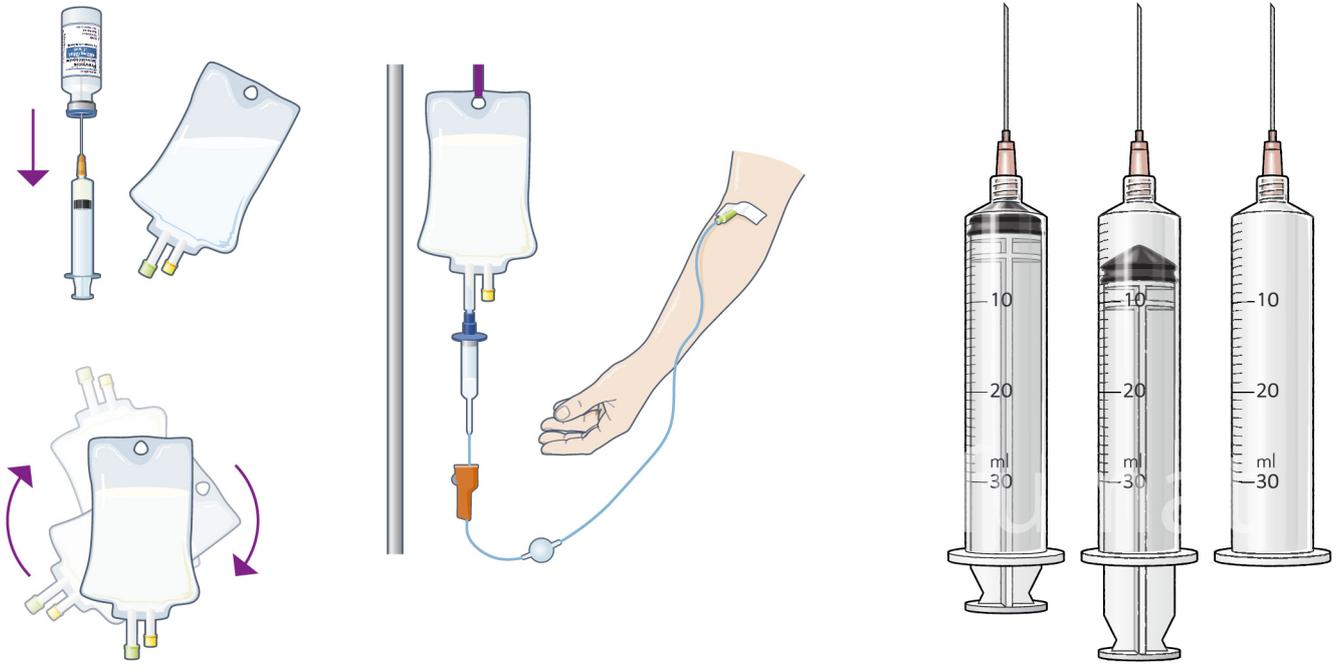






Dr Joseph Seitlinger - CHRU Nancy





**Agences communication santé**

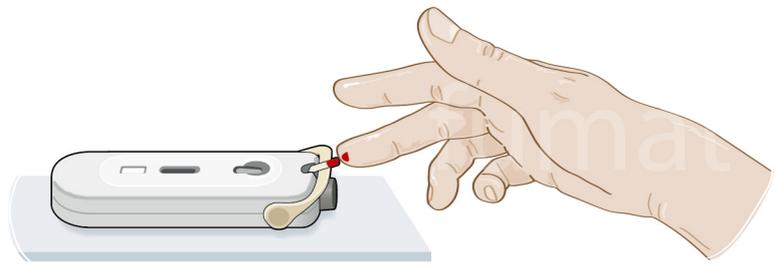
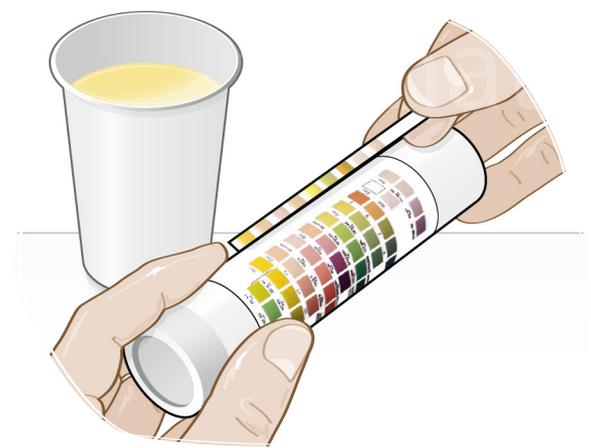
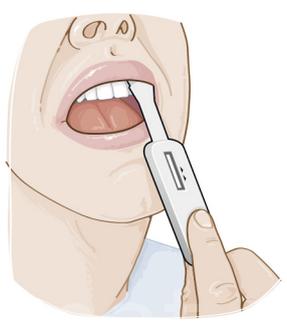
Saturation en oxygène, ici 97%

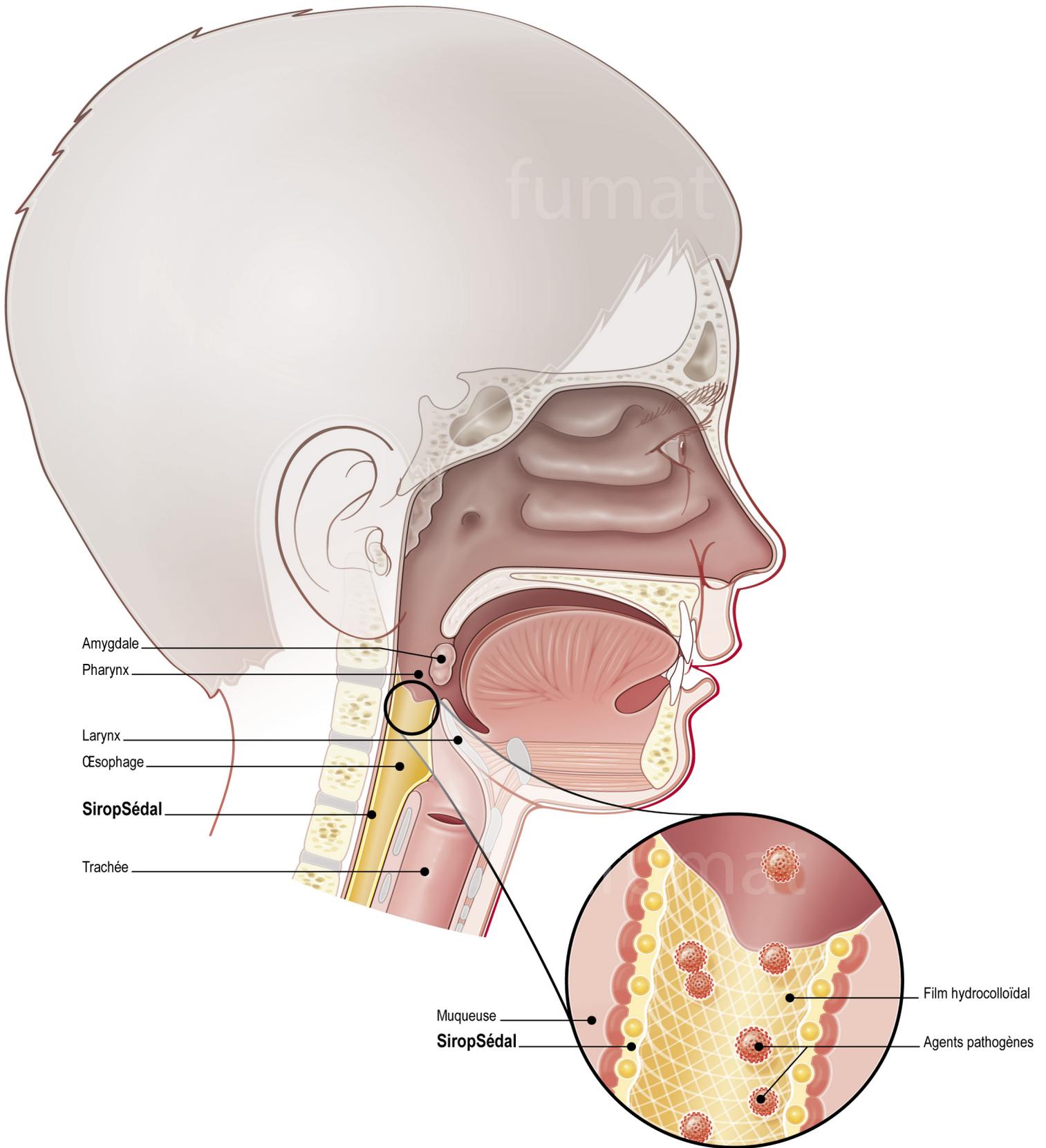
Diagramme à barres de la fréquence cardiaque

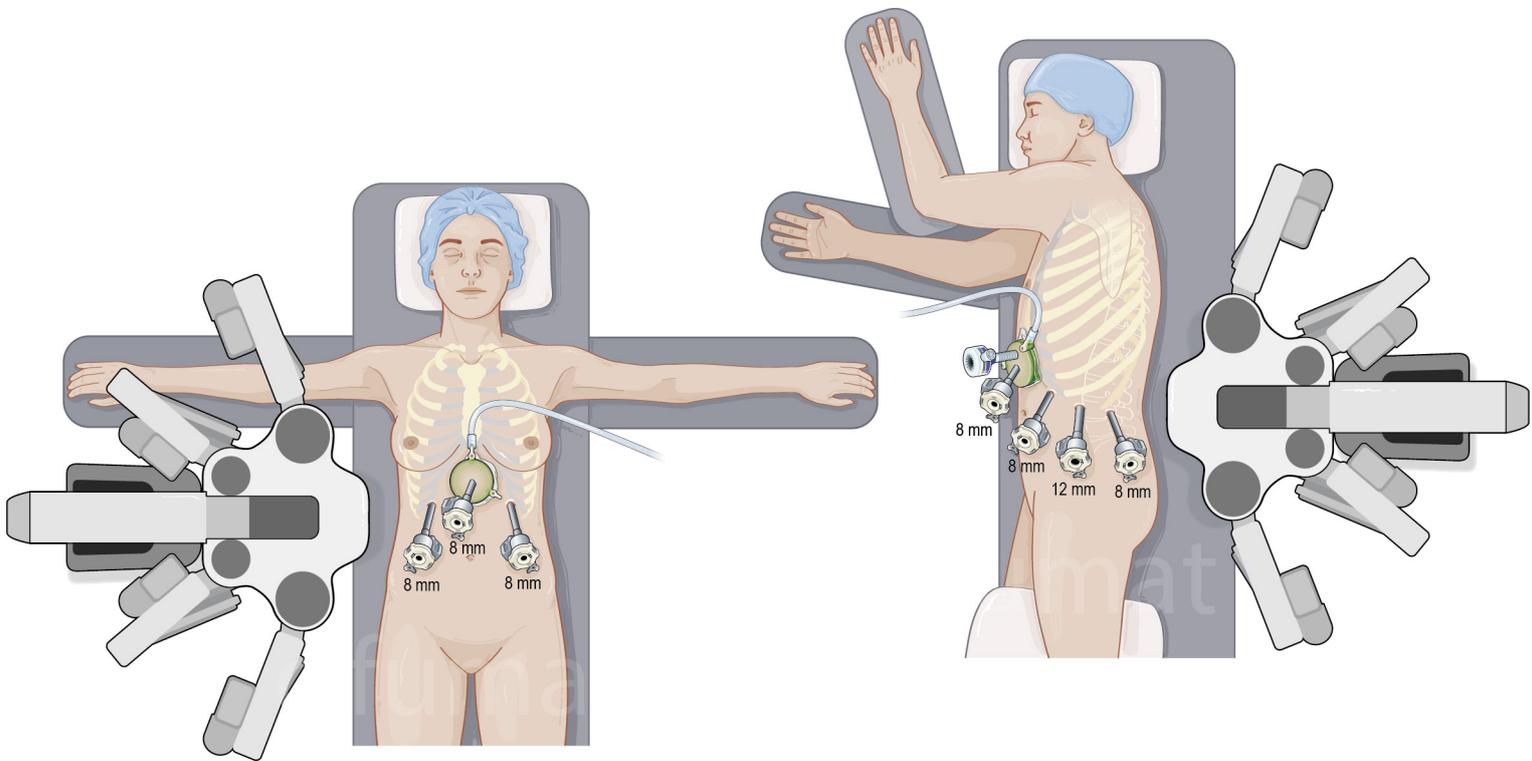
Fréquence cardiaque, ici 84 battements par minute

Onde de pouls, ici le tracé est bien régulier

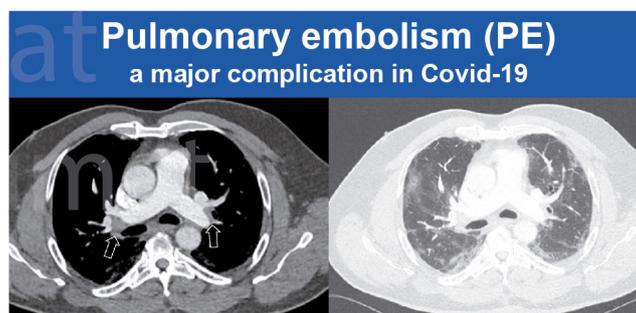
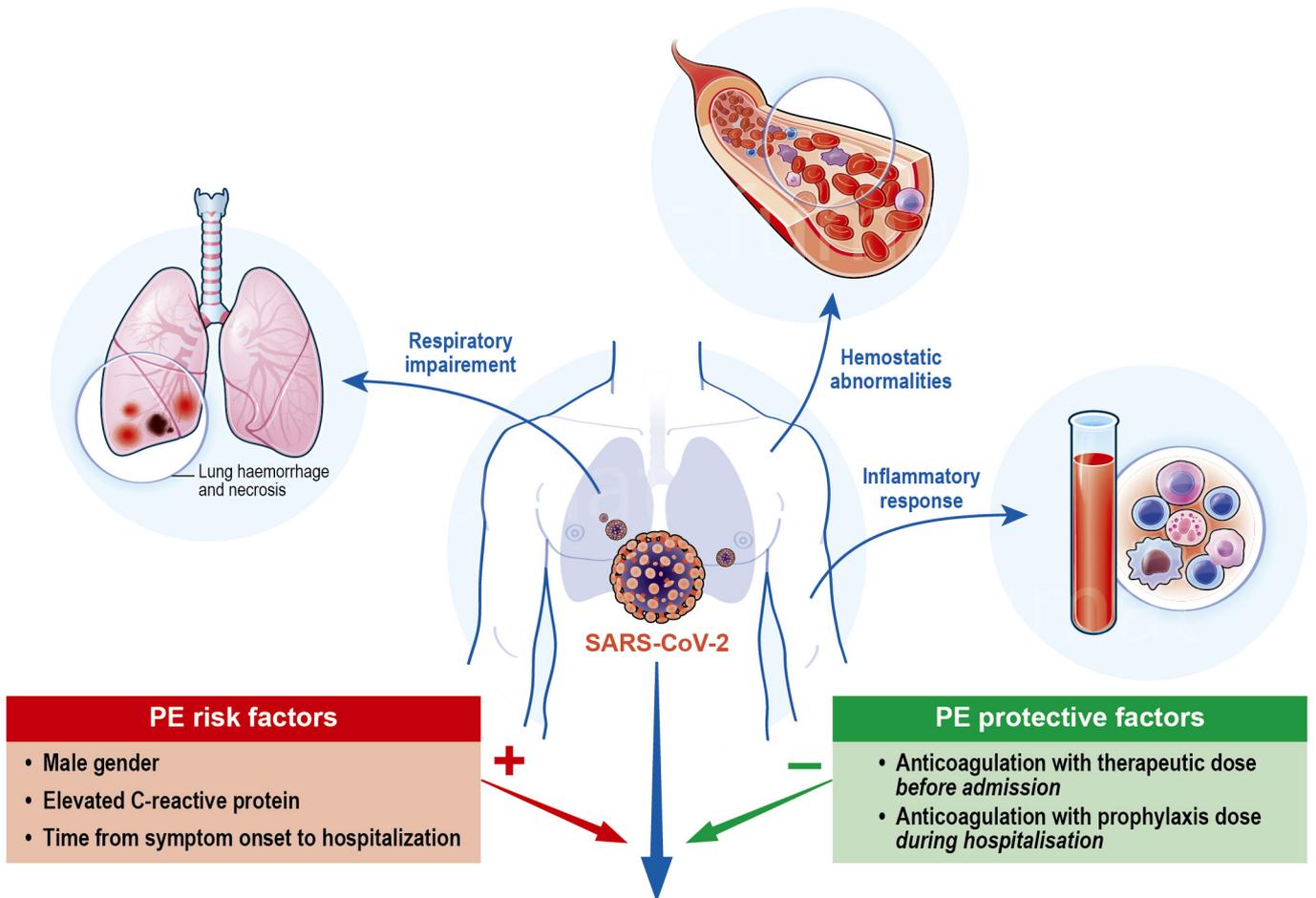
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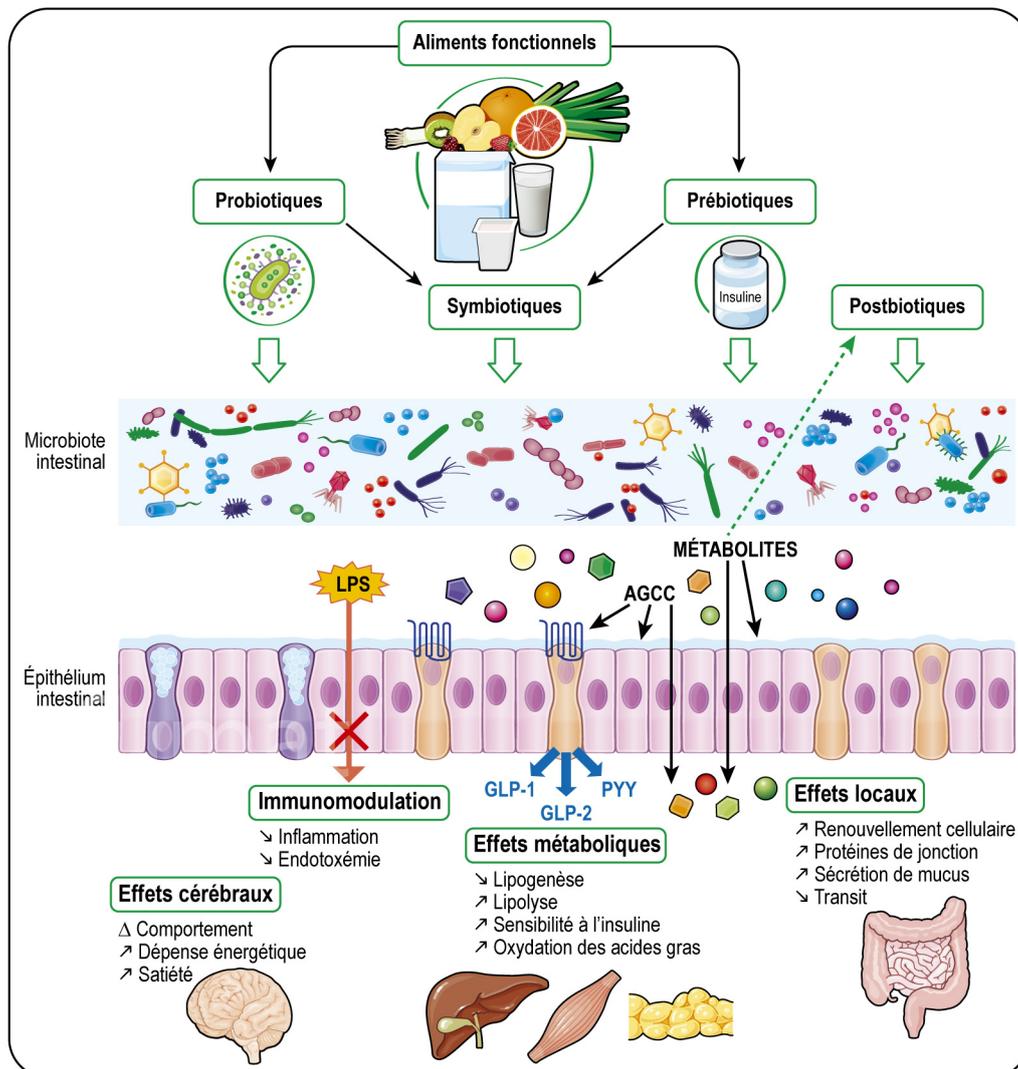
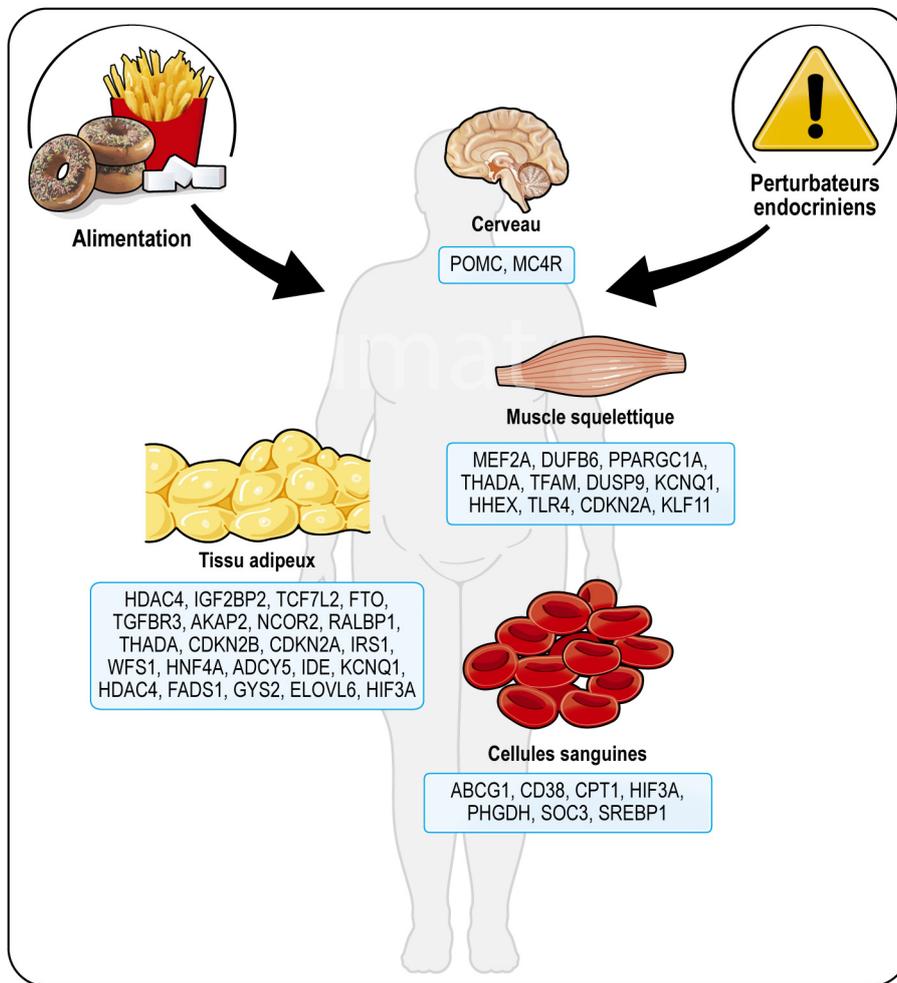


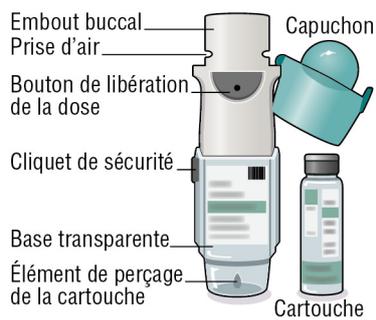
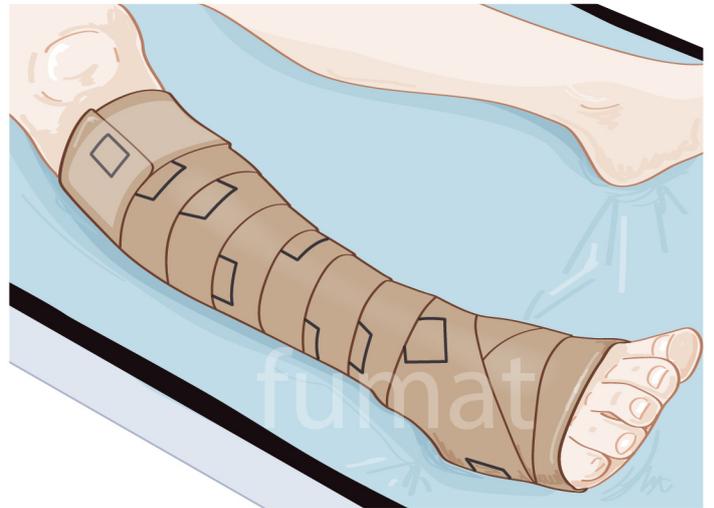
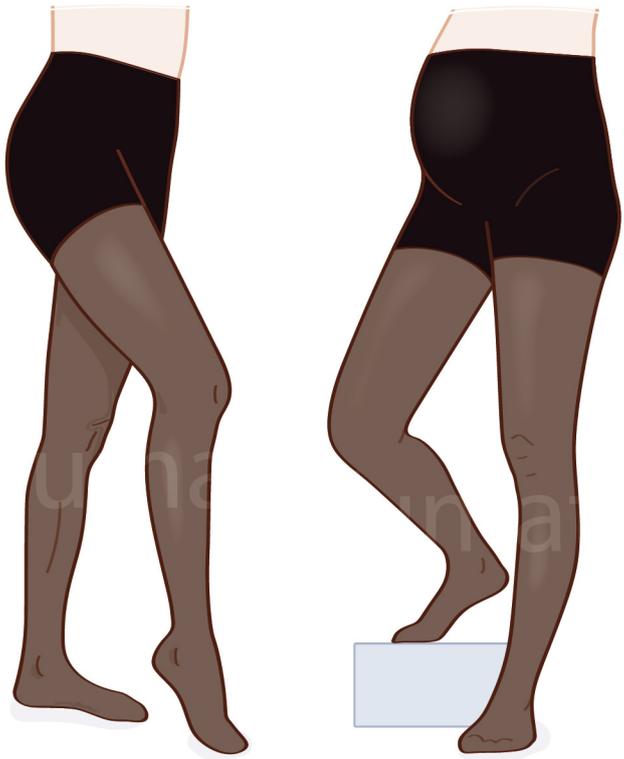
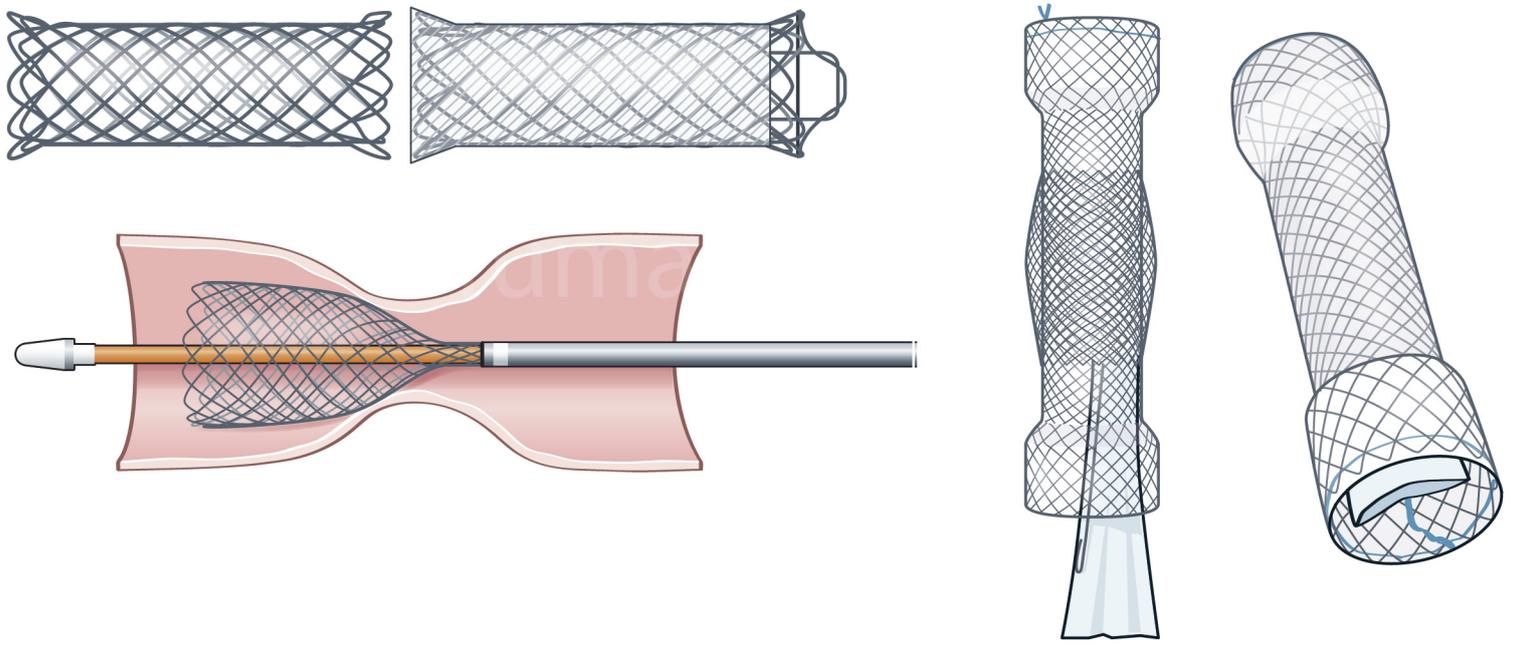


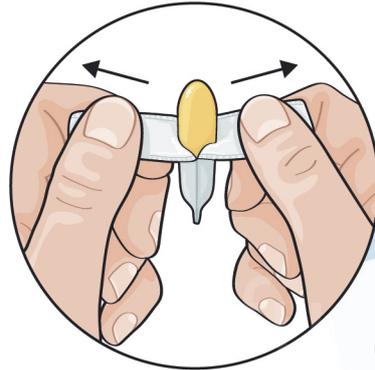
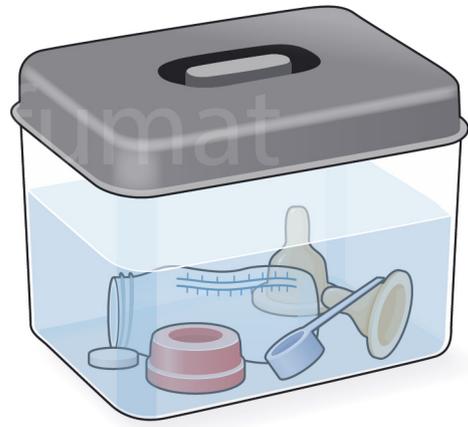
Dr Streib - CHRU nancy



Dr Théo Pezel

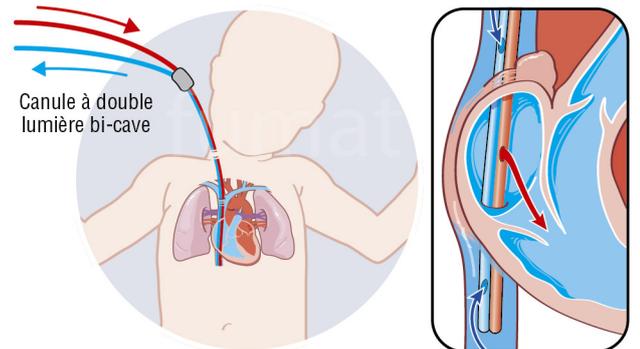
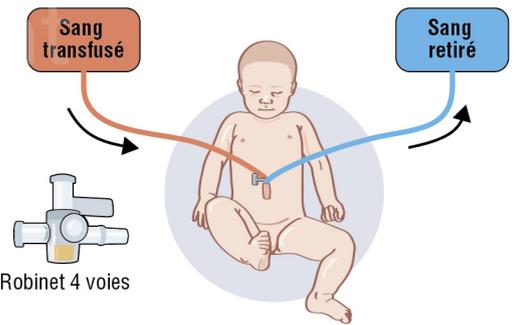
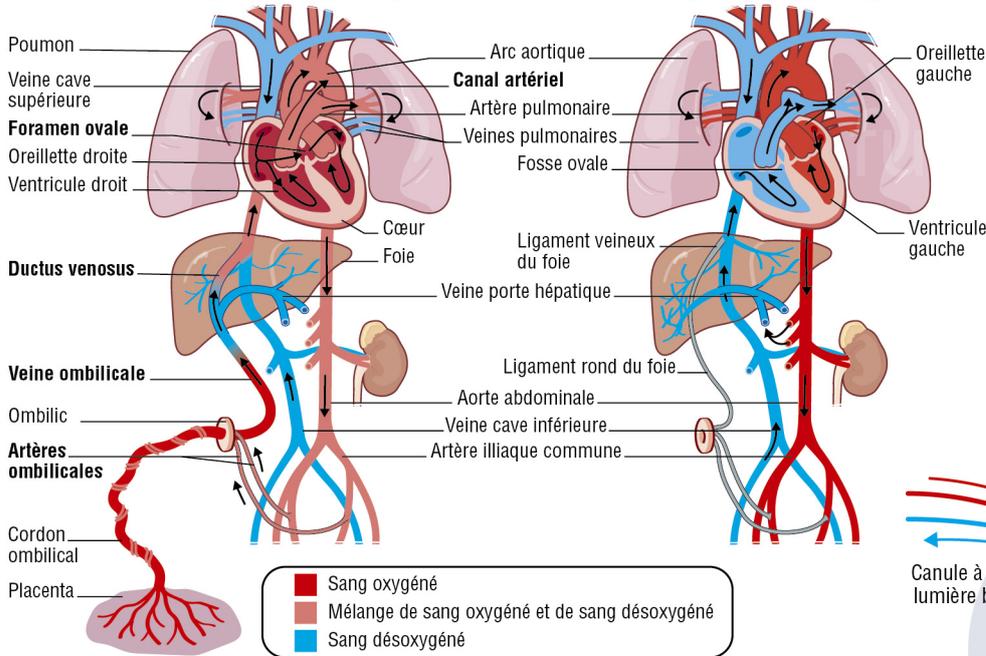


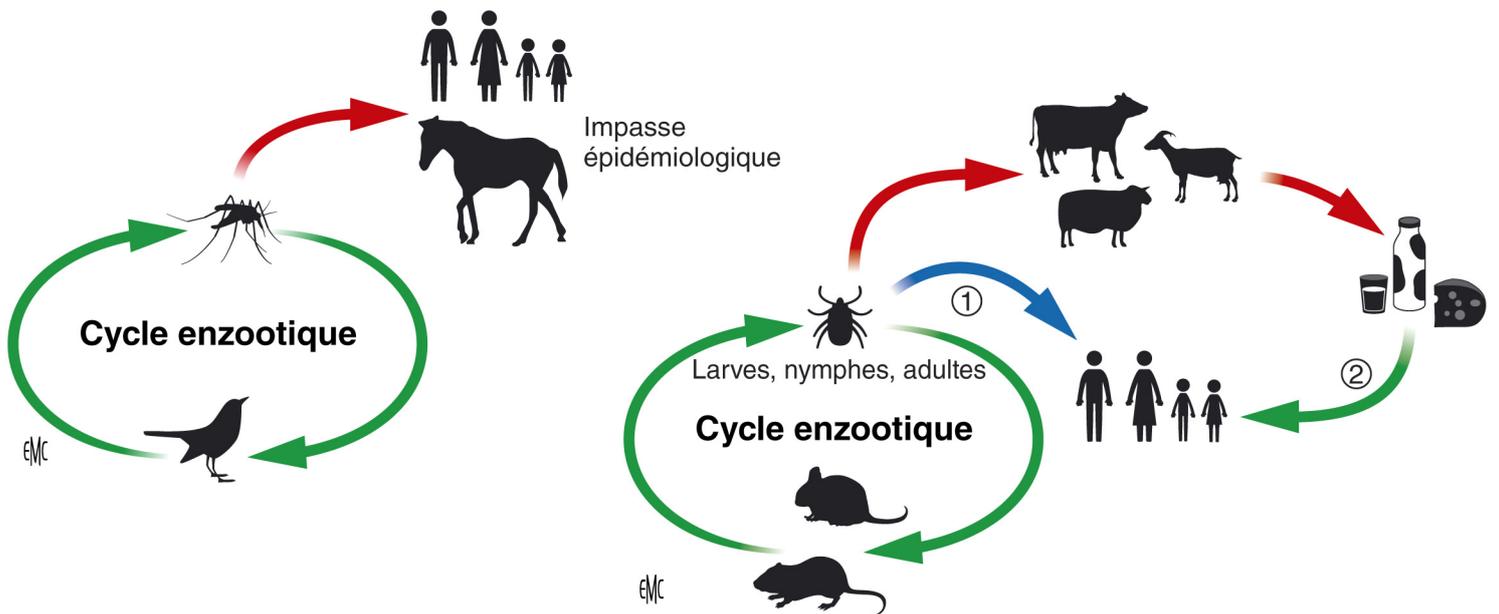
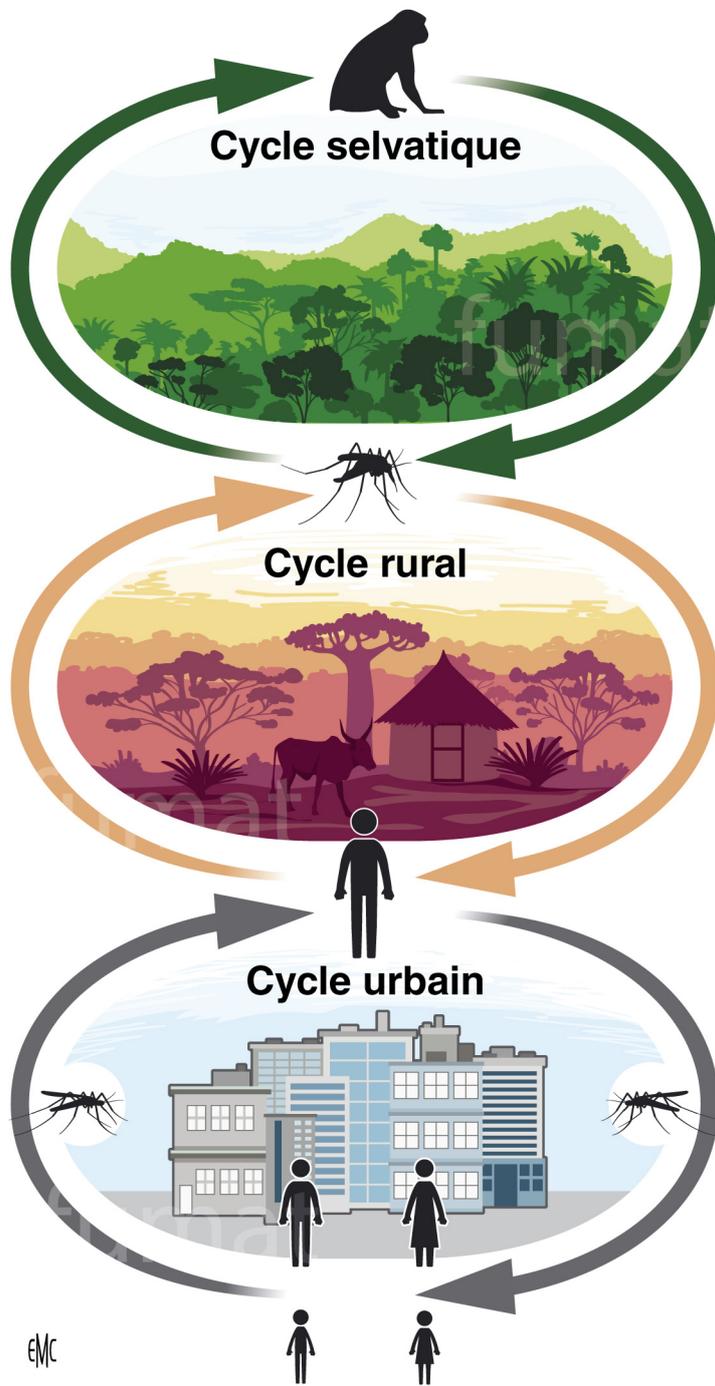


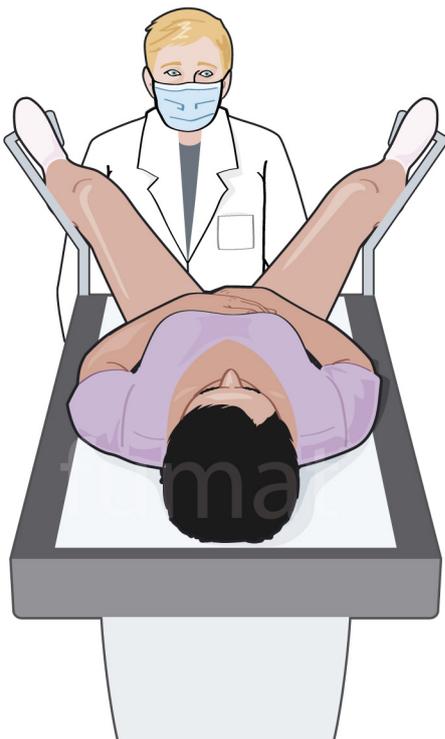
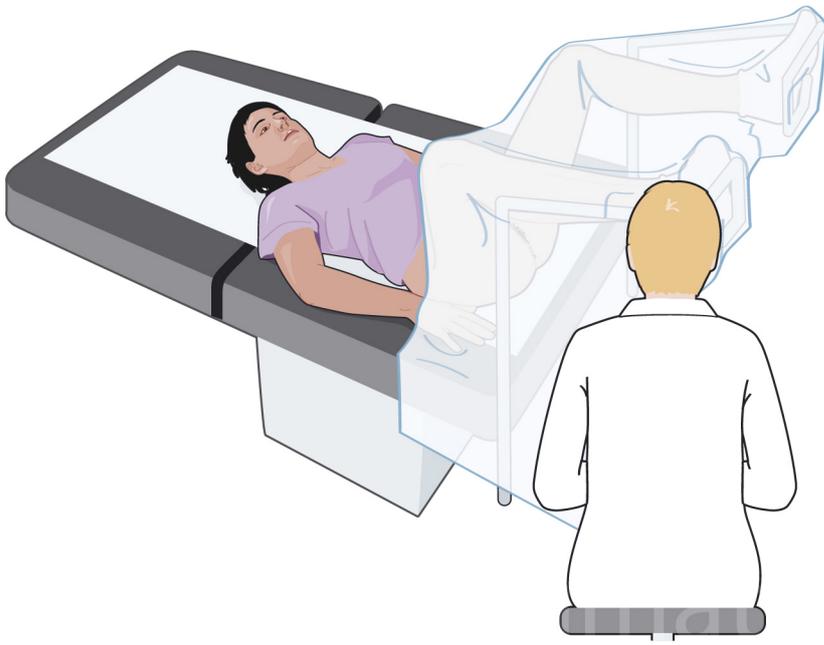


**Circulation fœtale**

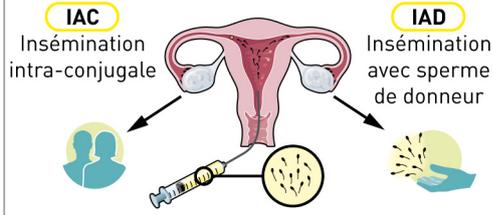
**Circulation adulte**



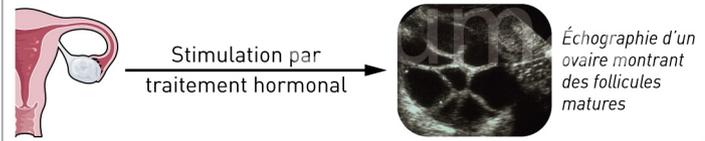




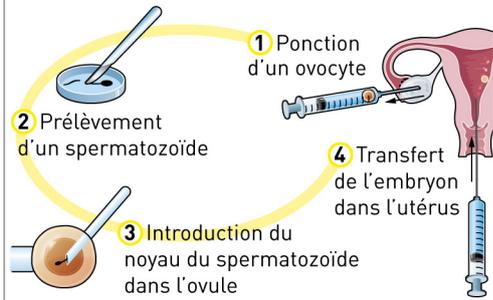
**L'insémination artificielle** (quand les spermatozoïdes sont anormaux et/ou peu mobiles)



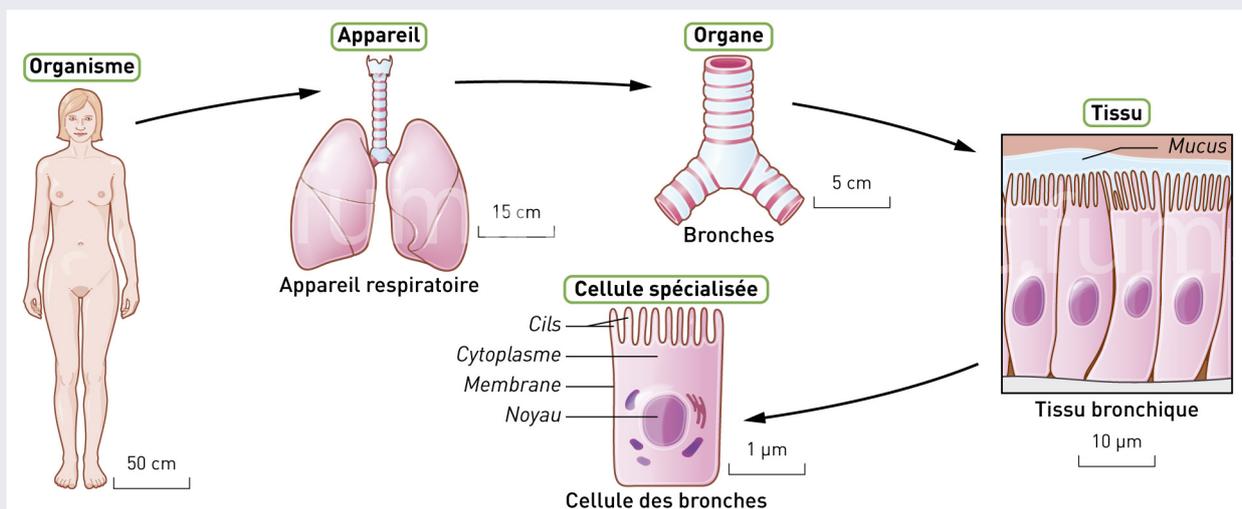
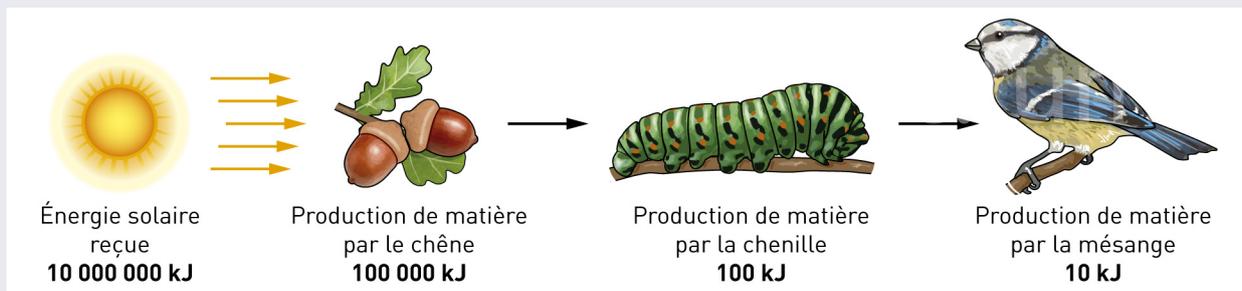
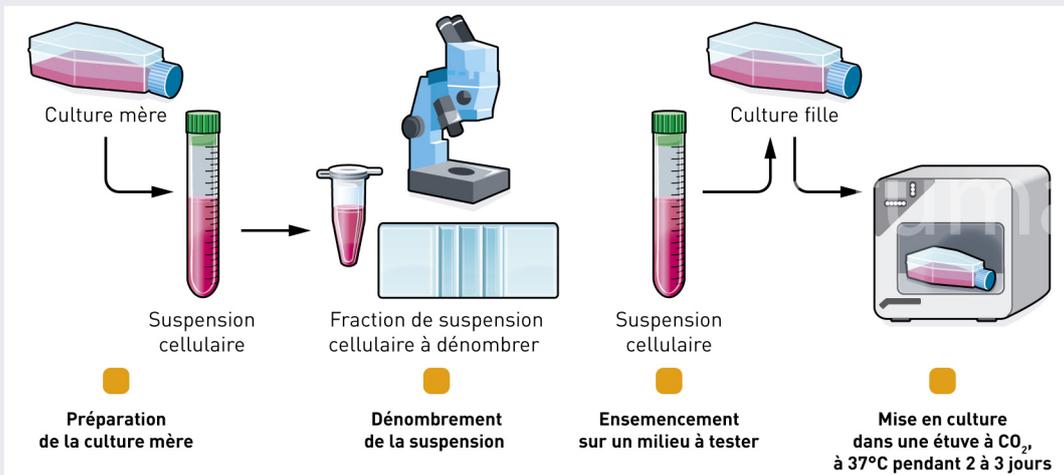
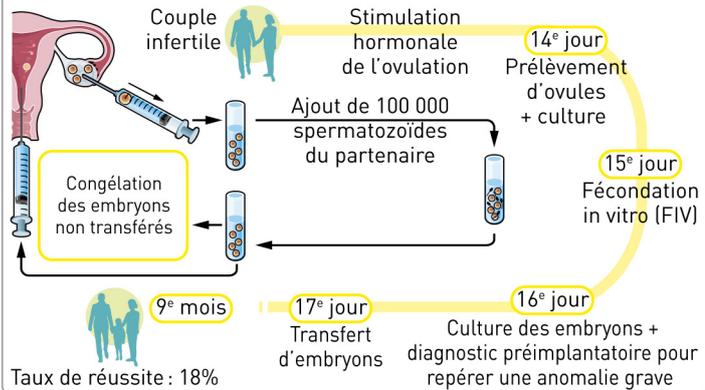
**La stimulation ovarienne** (permet de rétablir l'ovulation)



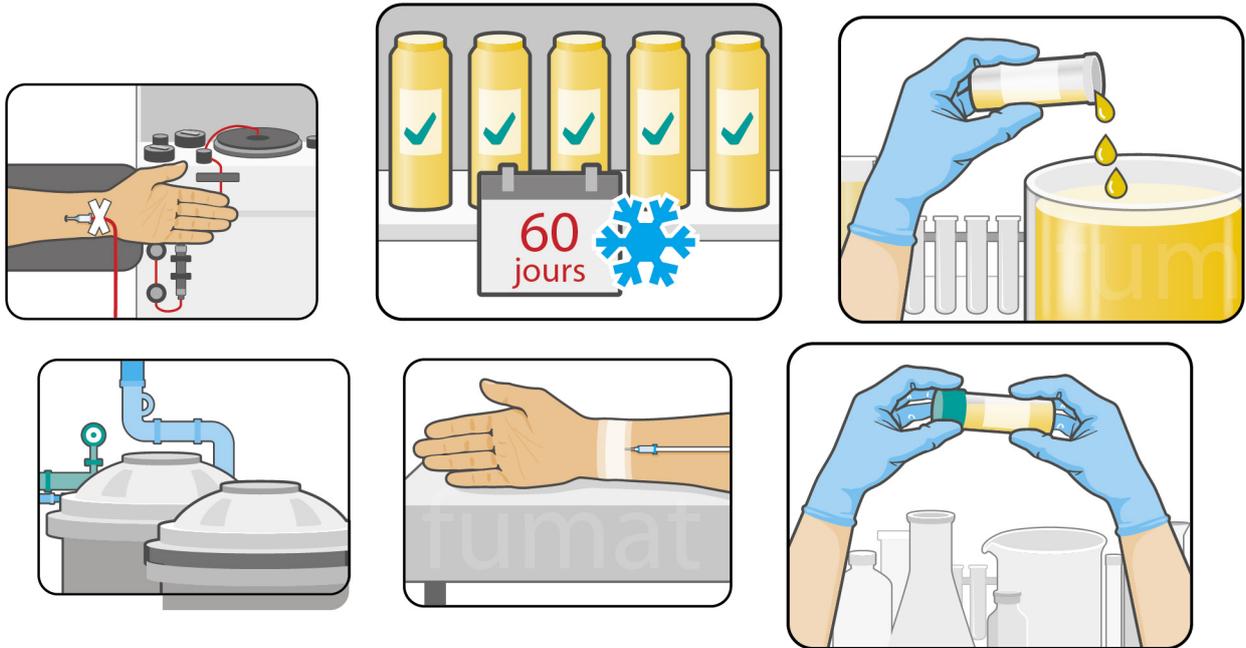
**La fécondation in vitro avec ICSI** (injection intra-cytoplasmique de spermatozoïde)



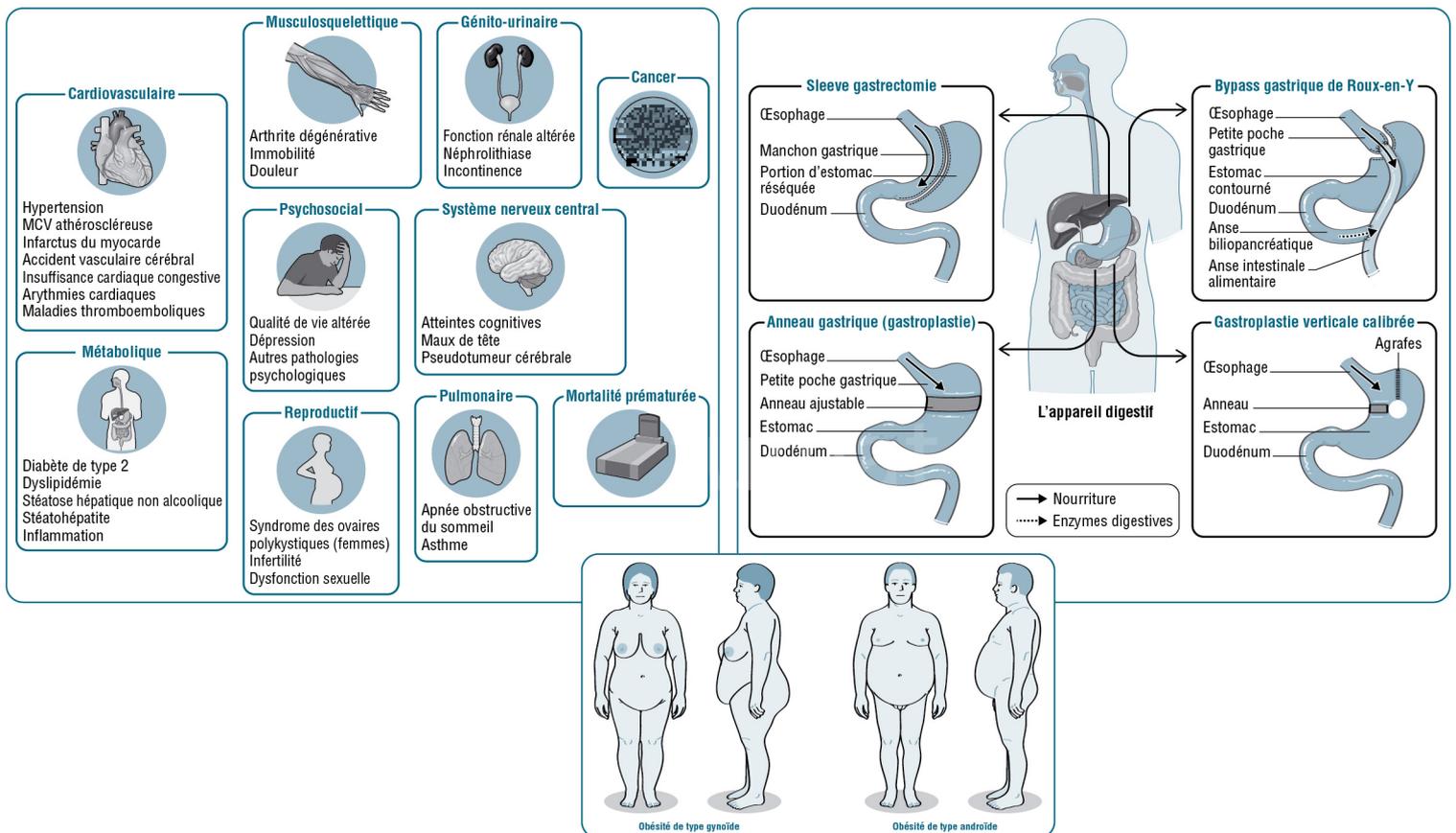
**La FIVETE** (fécondation in vitro et transfert d'embryon(s))

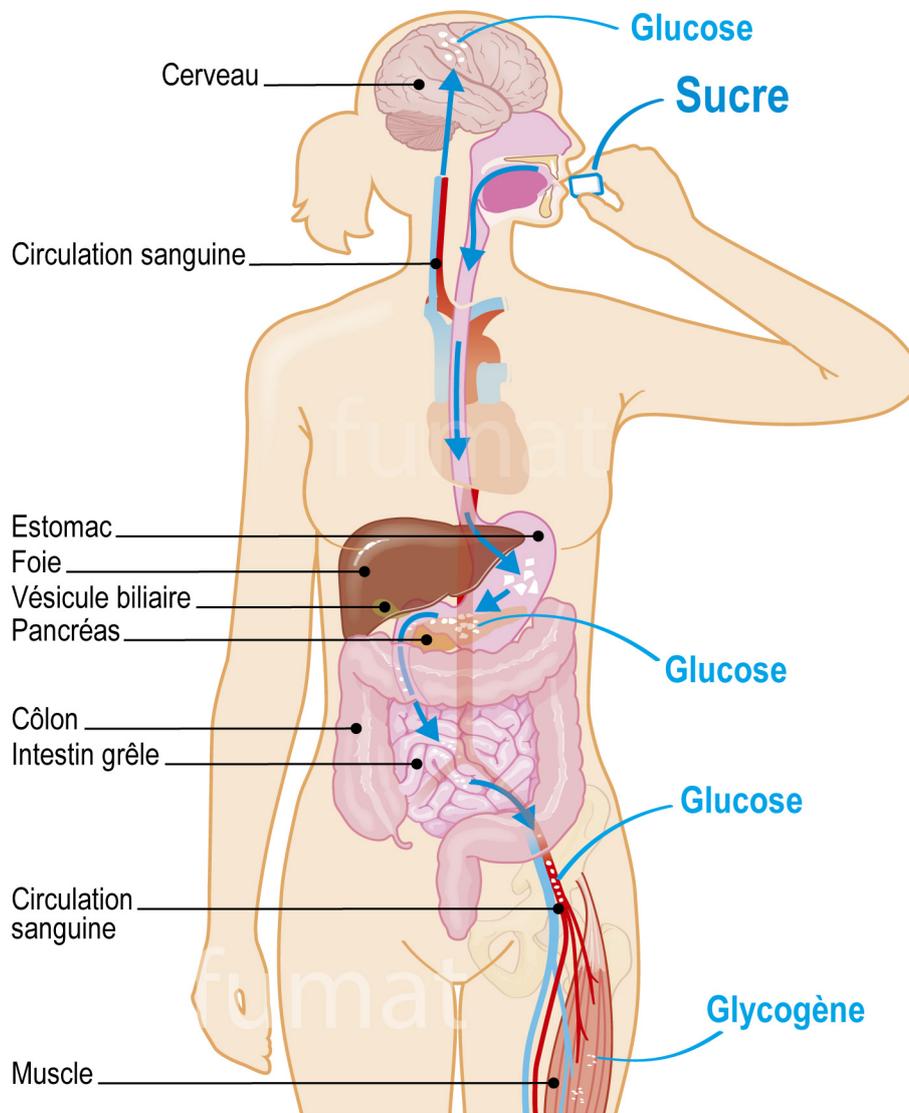




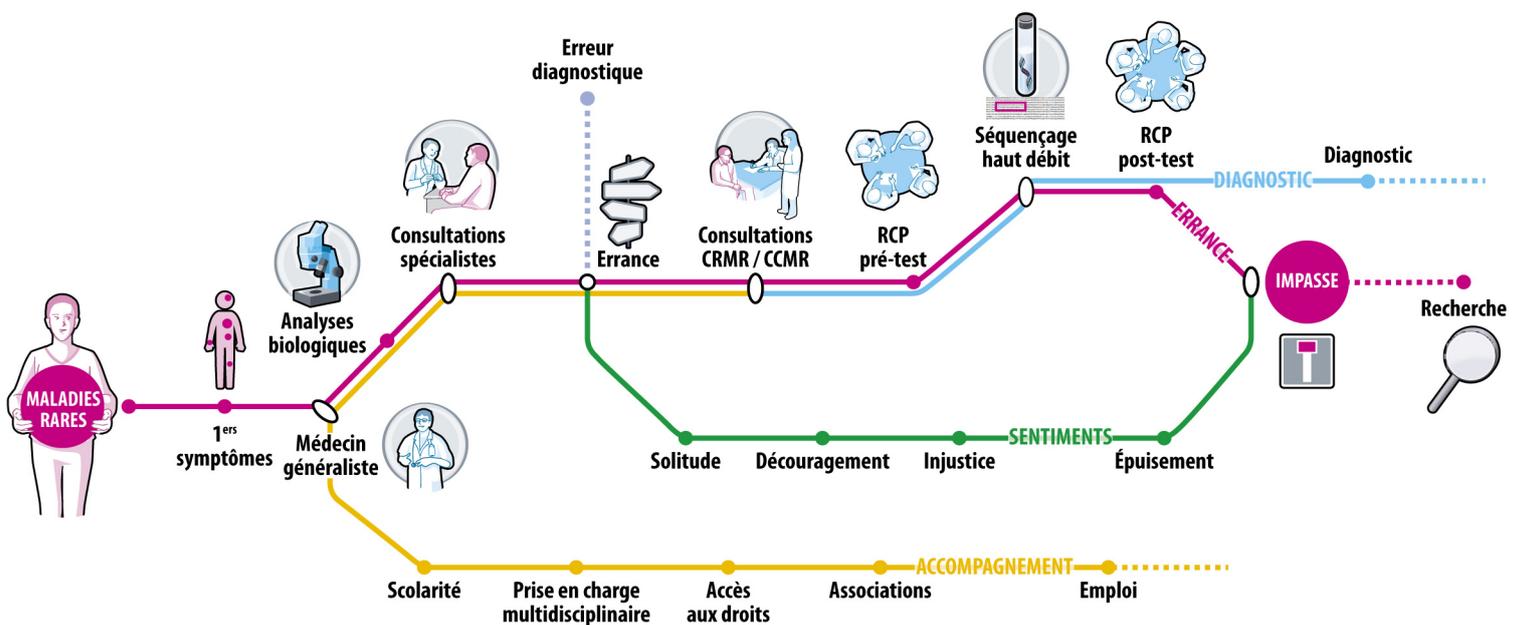


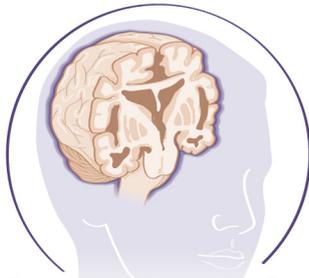
Agences communication santé





Larousse





Atrophie avancée d'un cerveau endommagé par la maladie d'Alzheimer

2 modifications majeure dans le cerveau des malades

1

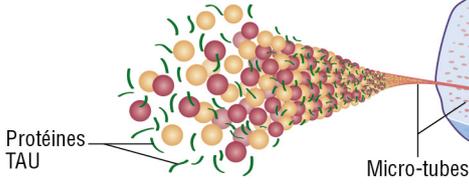
Développement anormal de protéines BETA-AMYLOÏDES qui s'accumulent entre les neurones sous forme de plaques



Plaques de protéines BETA-AMYLOÏDES

2

Accumulation anormale de protéines TAU à l'intérieur des neurones contribuant à leur dégénérescence

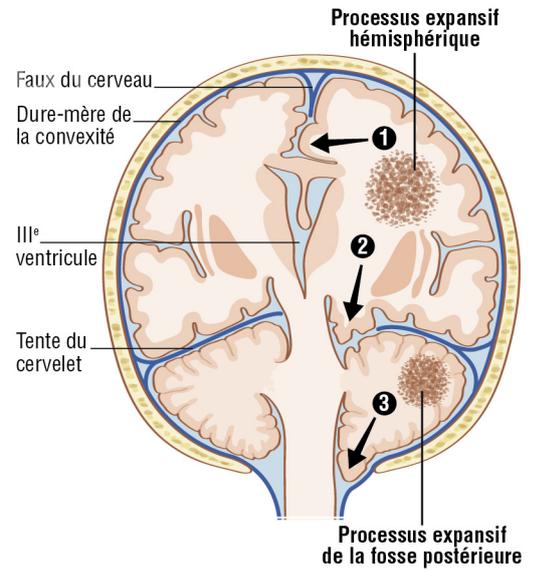


Dendrite (conduit l'influx nerveux vers le corps cellulaire)

Neurone

Axone (conduit l'influx nerveux hors du corps cellulaire)

Micro-tubes



Processus expansif hémisphérique

Faux du cerveau

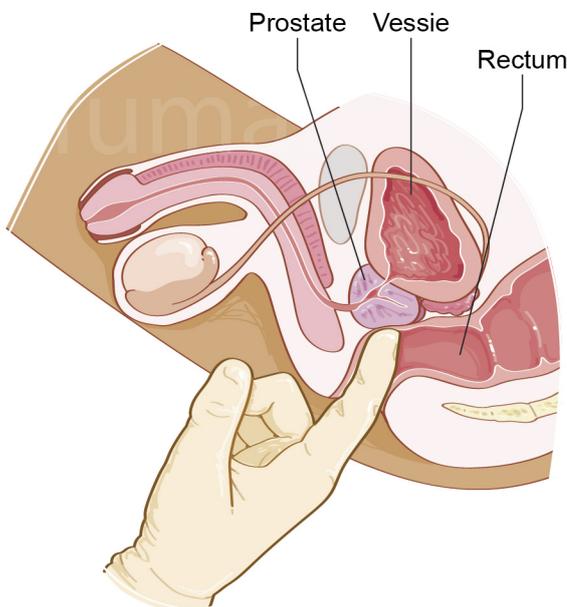
Dure-mère de la convexité

III<sup>e</sup> ventricule

Tente du cervelet

Processus expansif de la fosse postérieure

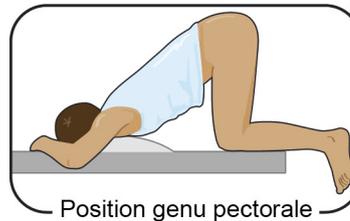
Elsevier Masson



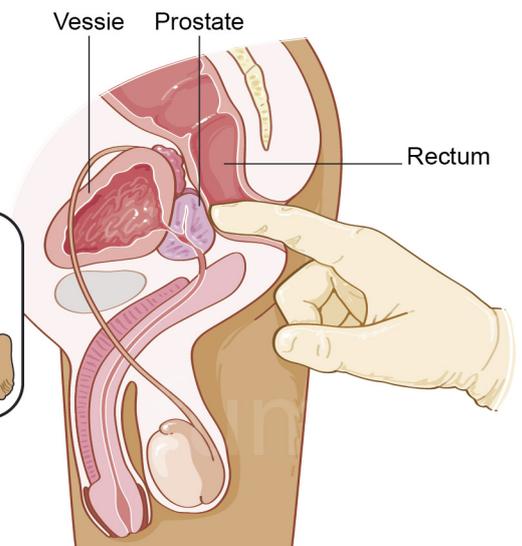
Prostate

Vessie

Rectum



Position genu pectorale



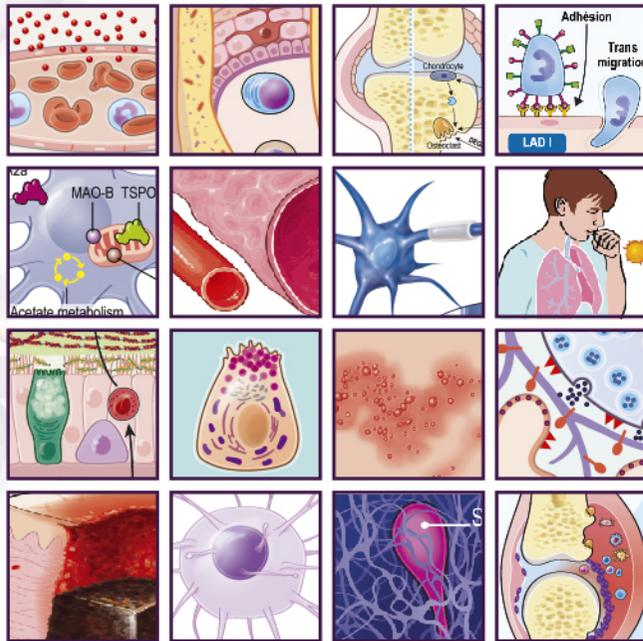
Vessie

Prostate

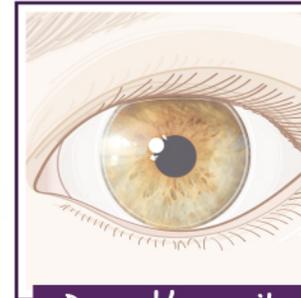
Rectum

Med-Line éditions

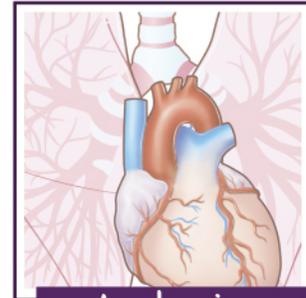
# Microscopie



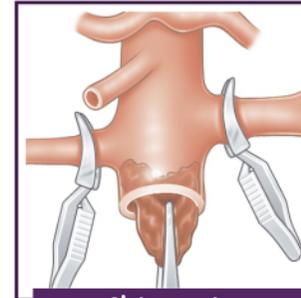
# Illustration médicale & scientifique



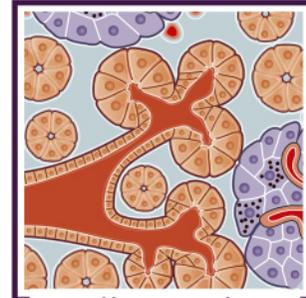
Page d'accueil



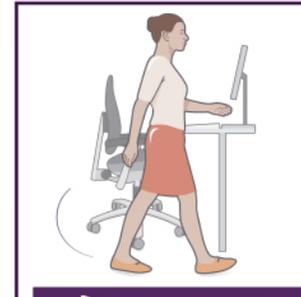
Anatomie



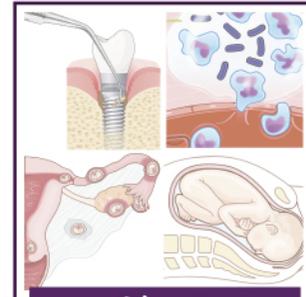
Chirurgie



Microscopie

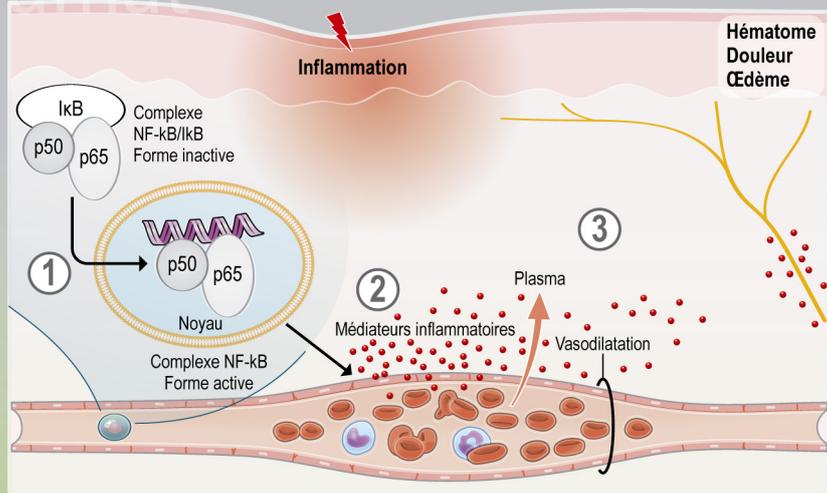


Personnages



Divers

## Le processus inflammatoire



**1** En cas d'inflammation, l'unité inhibitrice IκB est dégradée, le complexe NF-κB entre dans le noyau et se fixe à l'ADN

**2** Production de différents médiateurs inflammatoires (IL-1,2,6,8 et TNFα)

**3** Les symptômes de l'inflammation :  
 - Vasodilatation = CÈDÈME  
 - Atteinte des terminaisons nerveuses = DOULEUR  
 - En cas d'atteintes des vaisseaux sanguins = HÉMATOME

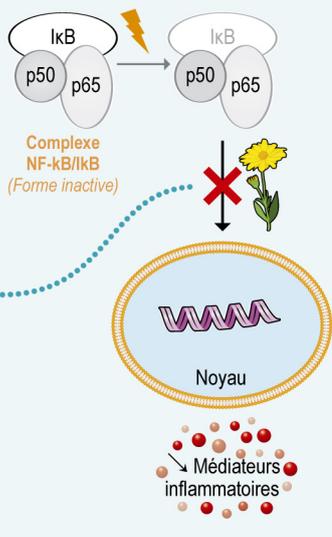
## Rôle de l'Arnica montana dans le mécanisme d'action inflammatoire

### STADE INITIAL

#### VOIE 1

L'Arnica montana agit sur le complexe NF-κB/IκB : l'hélnaline bloque l'entrée du complexe dans la cellule. Le complexe reste donc sous forme inactive.

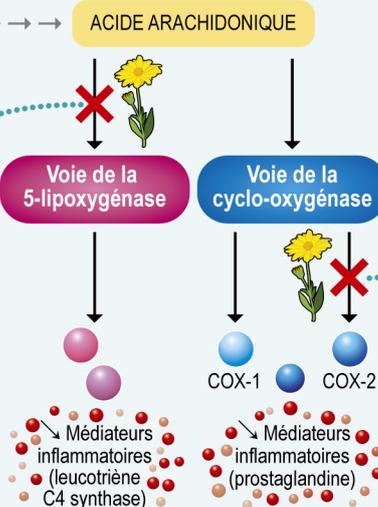
Ceci entraîne une diminution des médiateurs inflammatoires, donc une diminution de l'inflammation.



### STADE AVANCÉ

#### VOIE 2

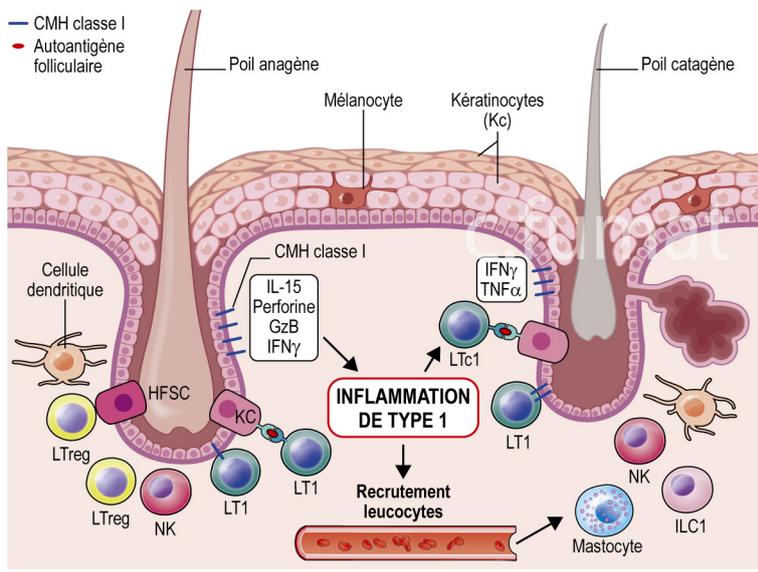
L'hélnaline, constituant majeur de l'Arnica montana inhibe la voie de la 5-lipoxygénase, ce qui entraîne une diminution de la leucotriène C4 synthase, donc la diminution de l'inflammation.



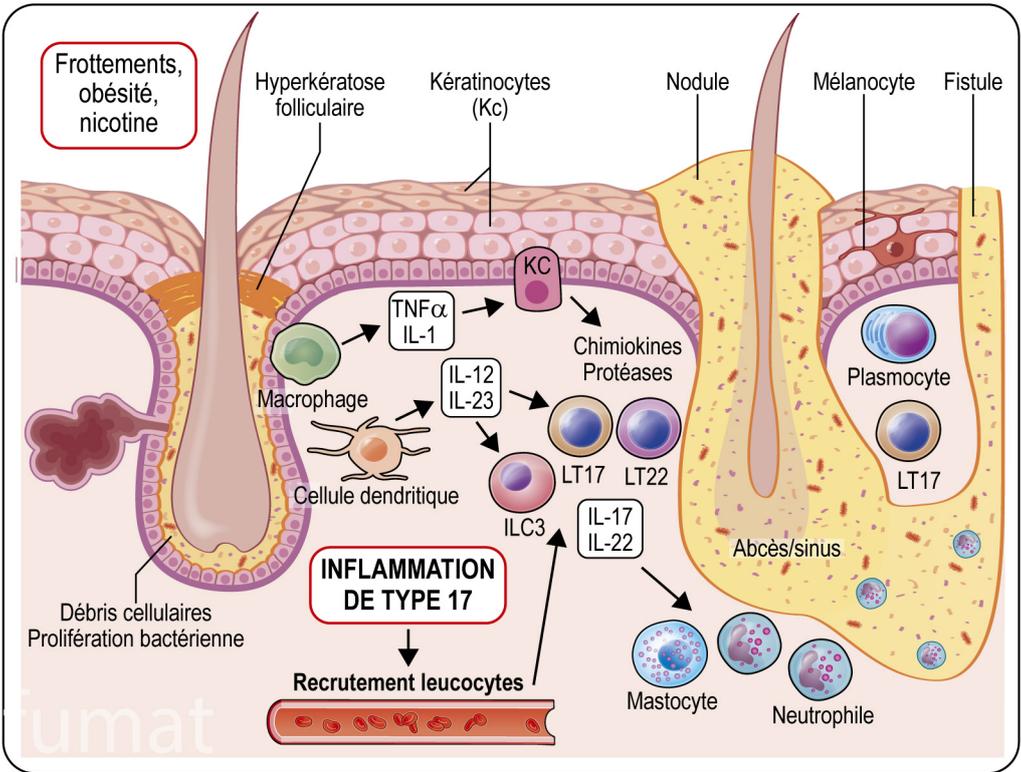
#### VOIE 3

L'hélnaline, constituant majeur de l'Arnica montana inhibe la voie de la COX-2, ce qui entraîne une diminution de prostaglandine, donc la diminution de l'inflammation.

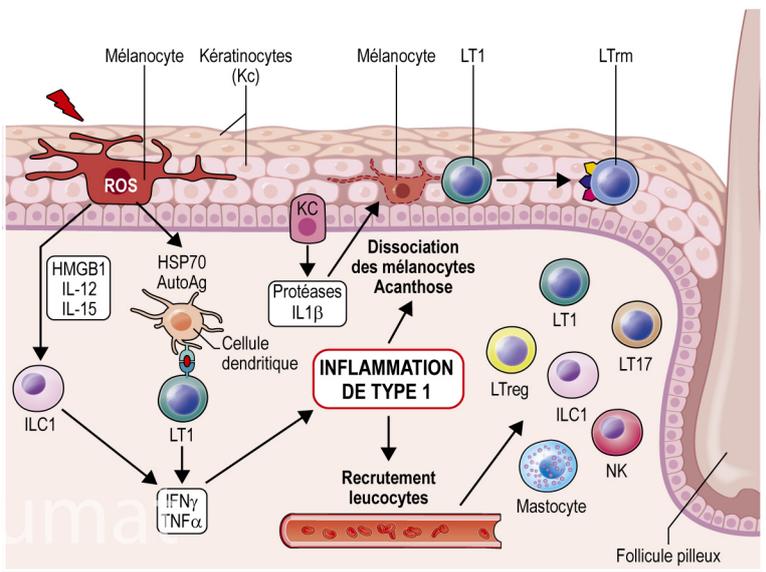
Diminution des symptômes de l'inflammation (douleur, œdème) et de l'hématome



Pelade



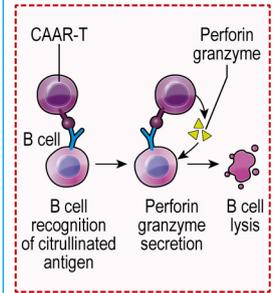
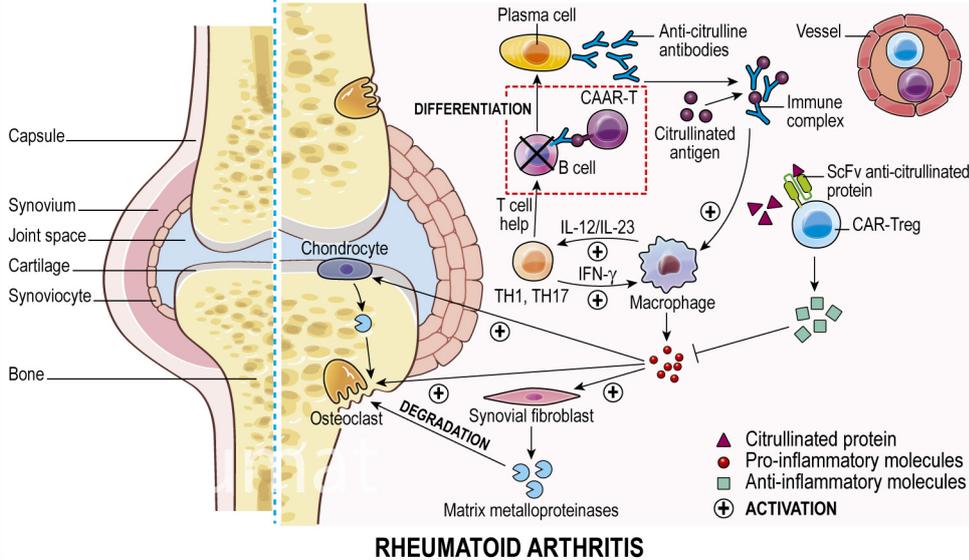
Verneuil



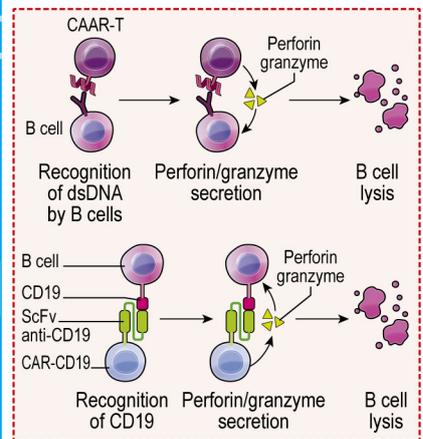
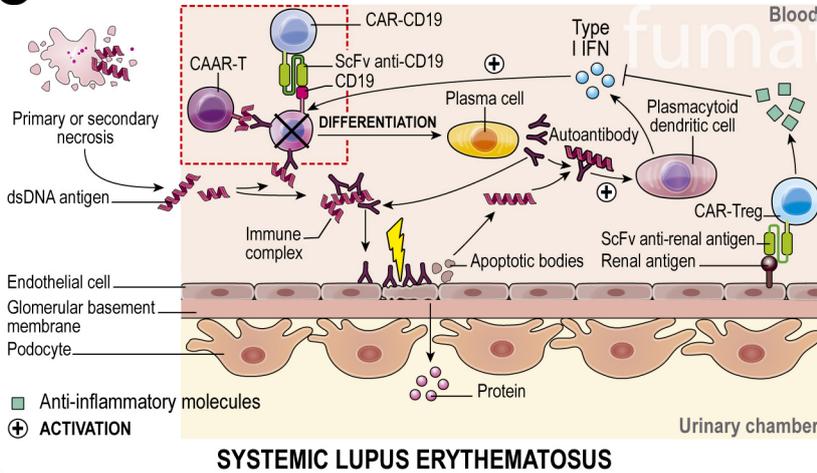
Vitiligo

**A — JOINT**

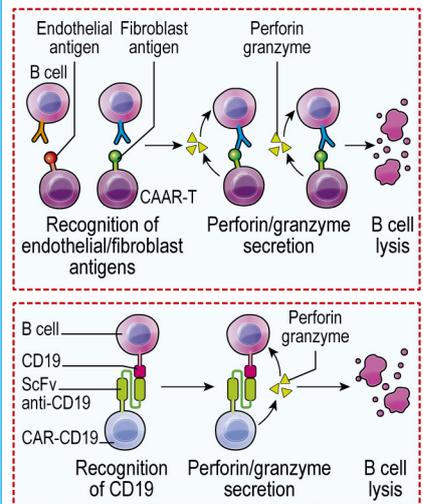
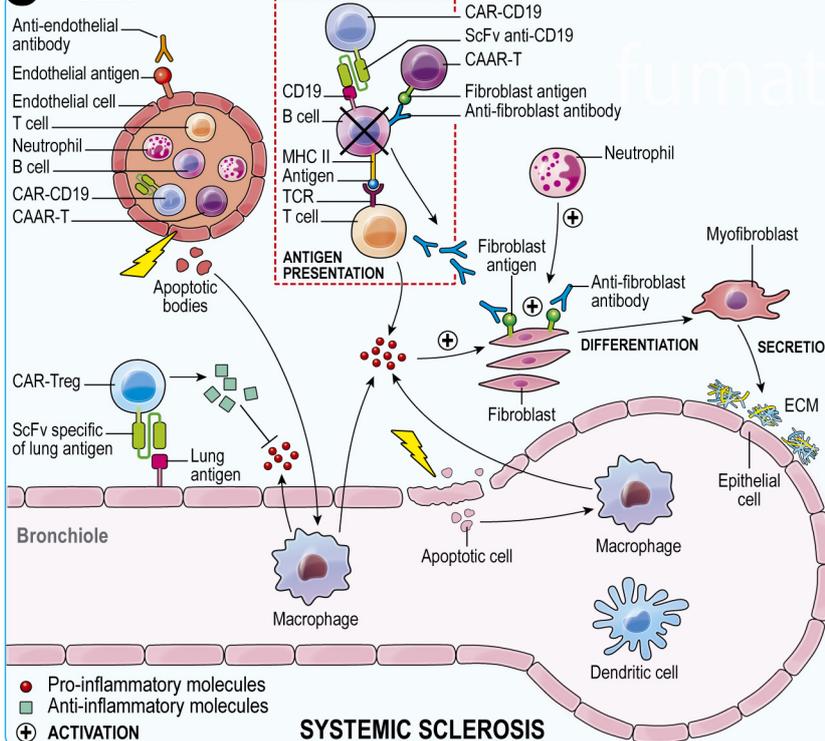
**Healthy Rheumatoid arthritis**

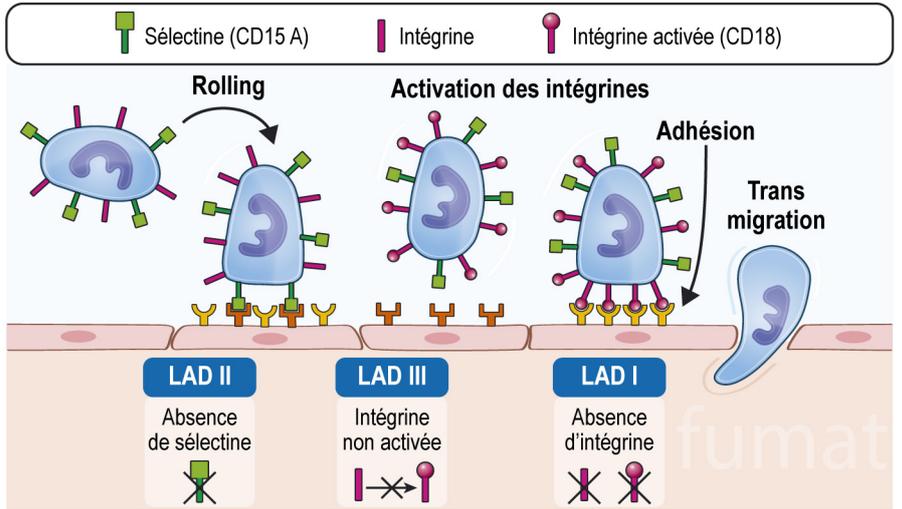
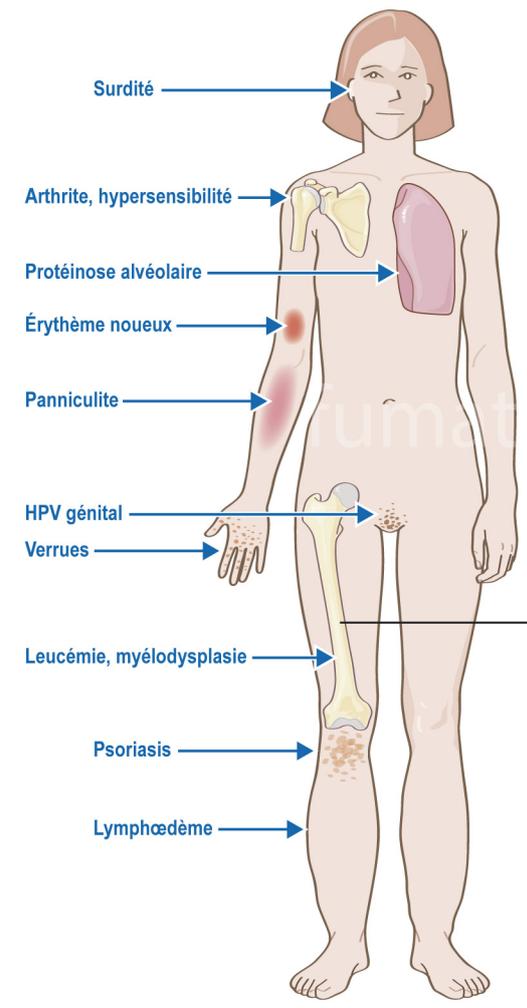


**B — KIDNEY**

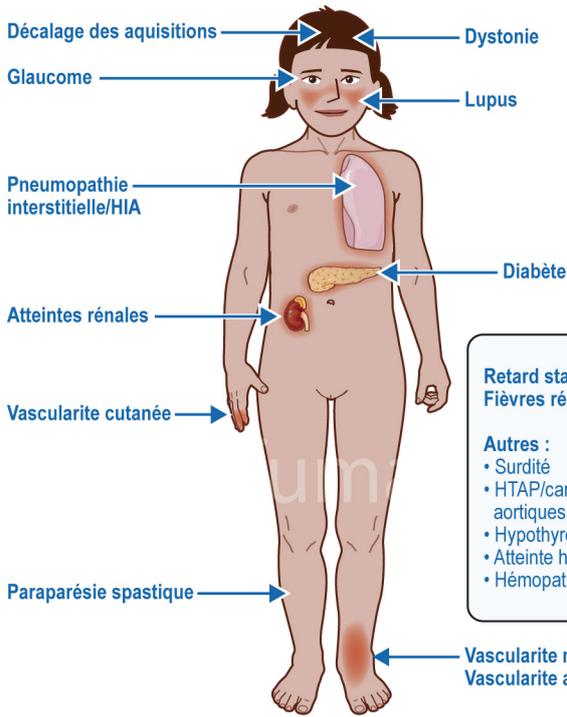


**C — LUNG**

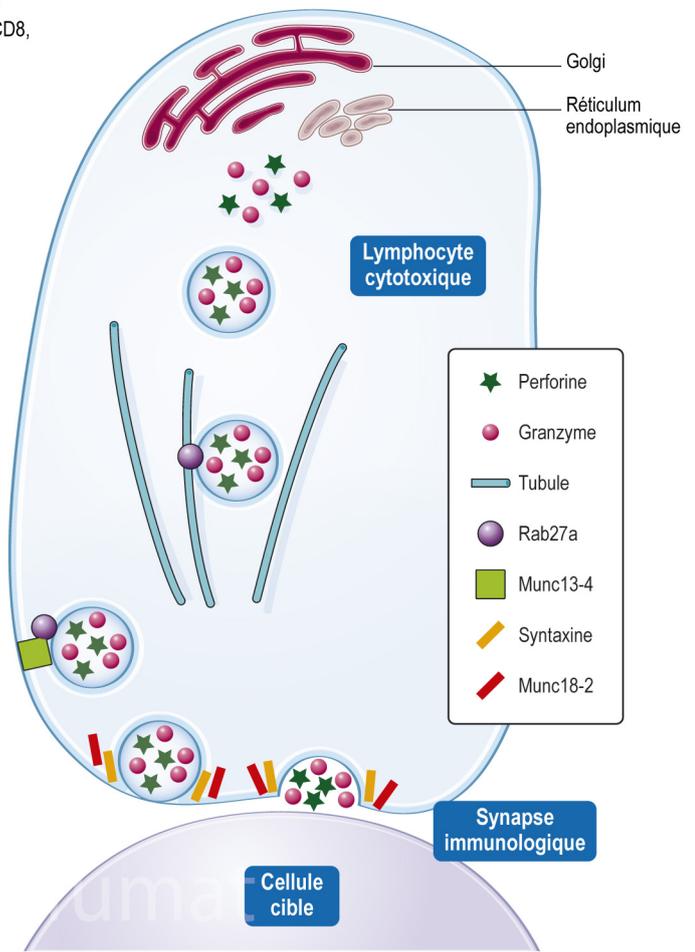


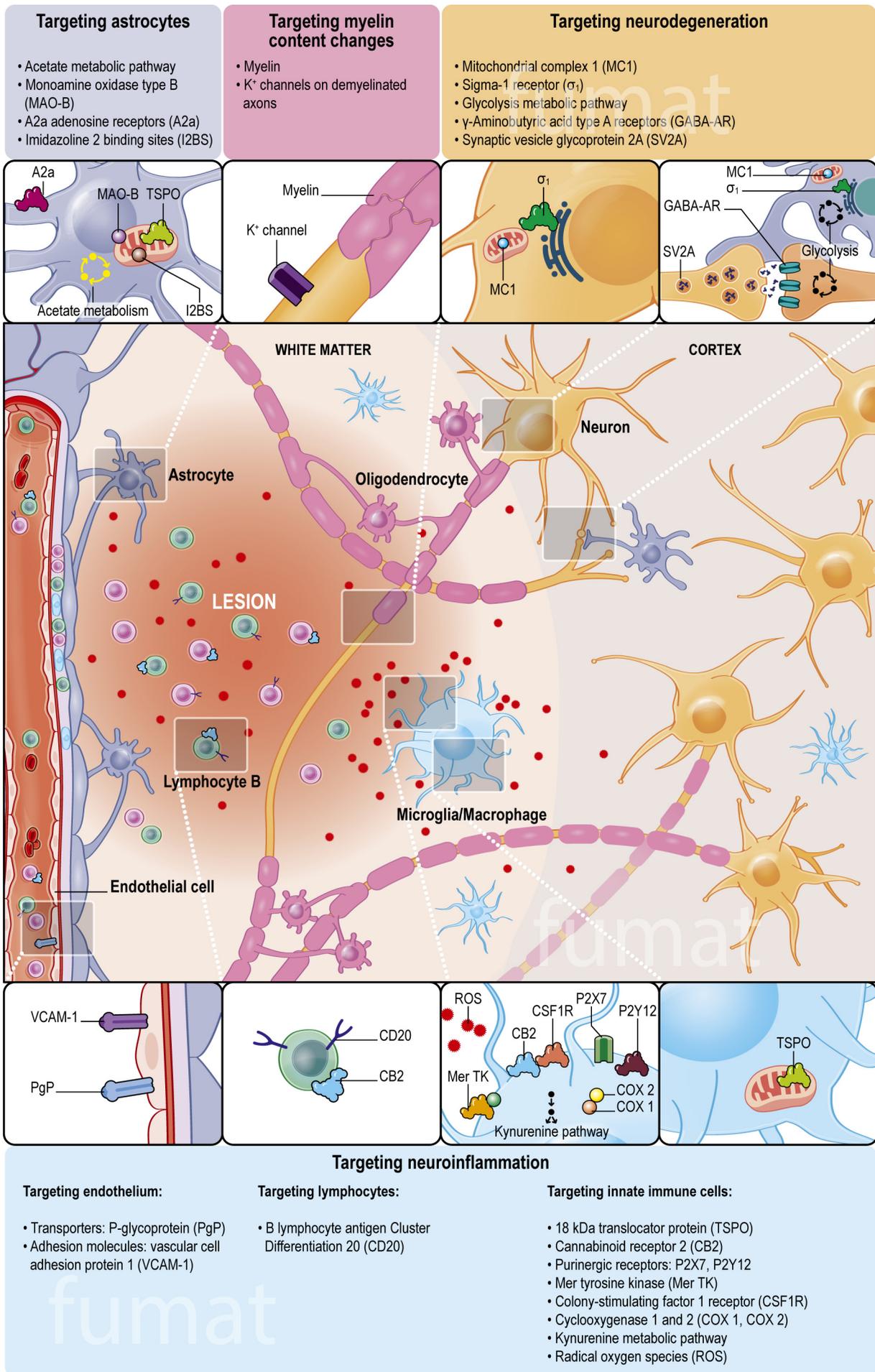


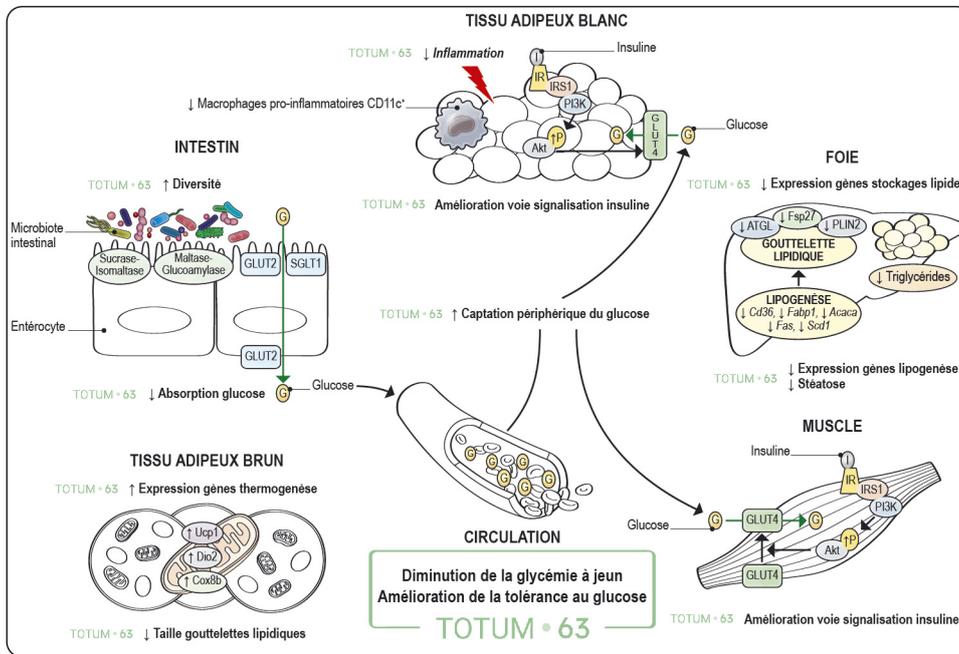
- Monocytes**  
Taux bas ou absence
- Cellules dendritiques**  
D ficit fonctionnel
- Macrophages**  
D ficit fonctionnel
- Lymphocytes NK**  
D ficit NK immature CD56<sup>bright</sup>
- Lymphocytes B**  
Taux bas, d ficit B na fs
- Lymphocytes T**  
Inversion CD4/CD8, d ficit T na fs



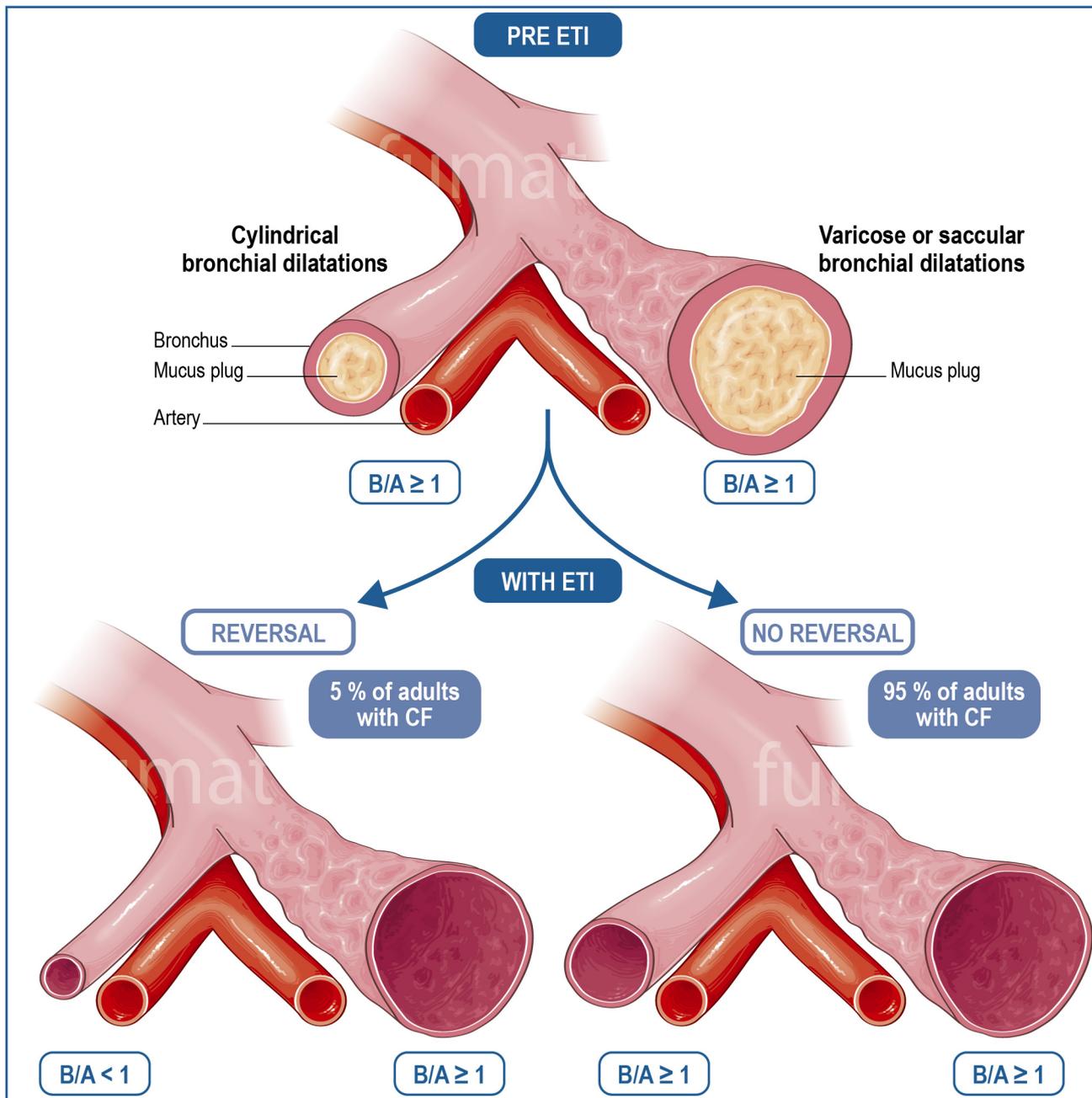
- Retard statural**  
**Fi vres r currentes**  
**Autres :**
  - Surdit e
  - HTAP/cardiomyopathies/calcifications aortiques ou des valves
  - Hypothyro die, thyro dite auto-immune
  - Atteinte h patique
  - H mopathies

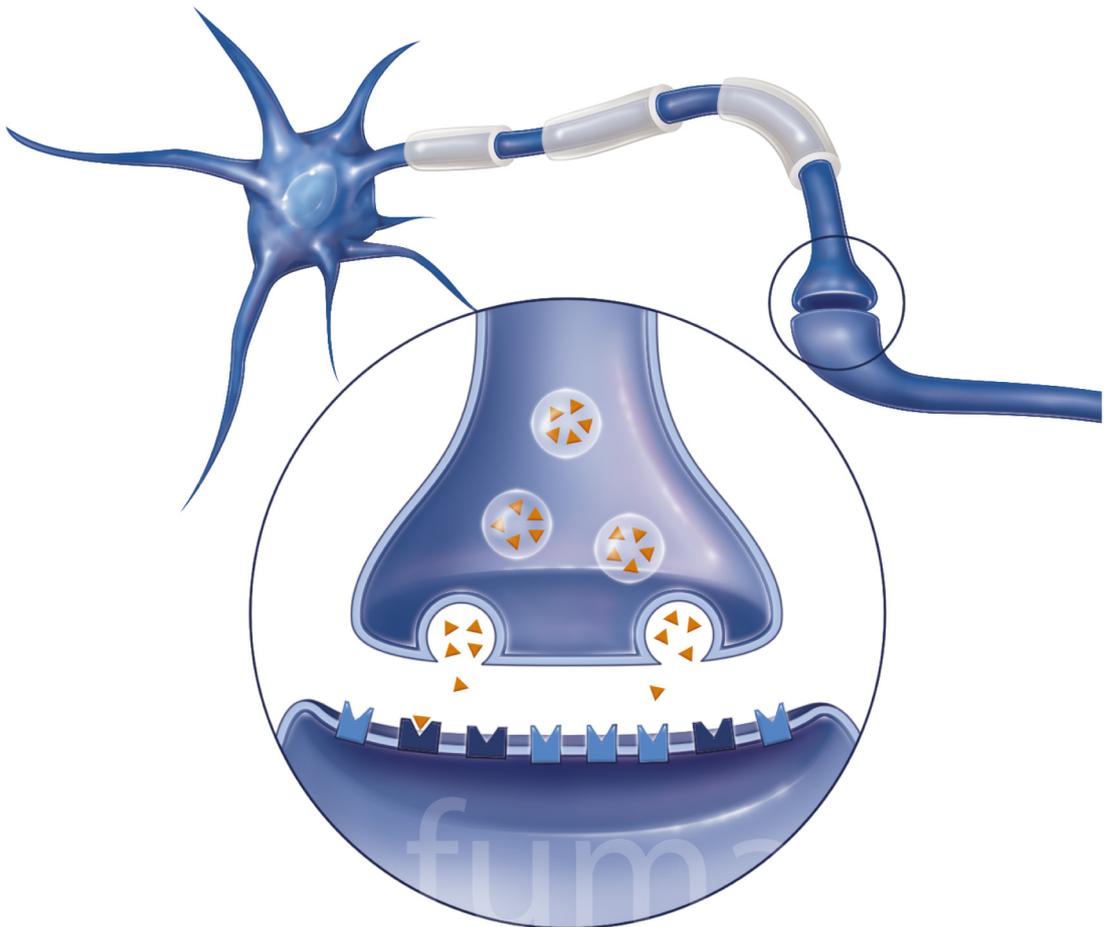
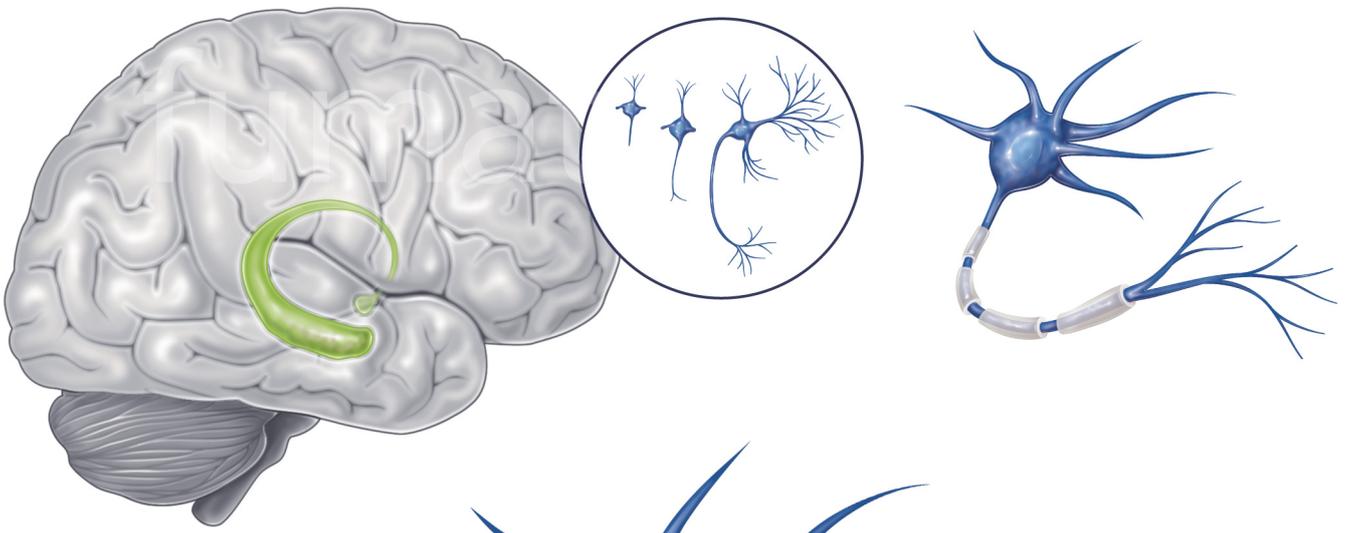


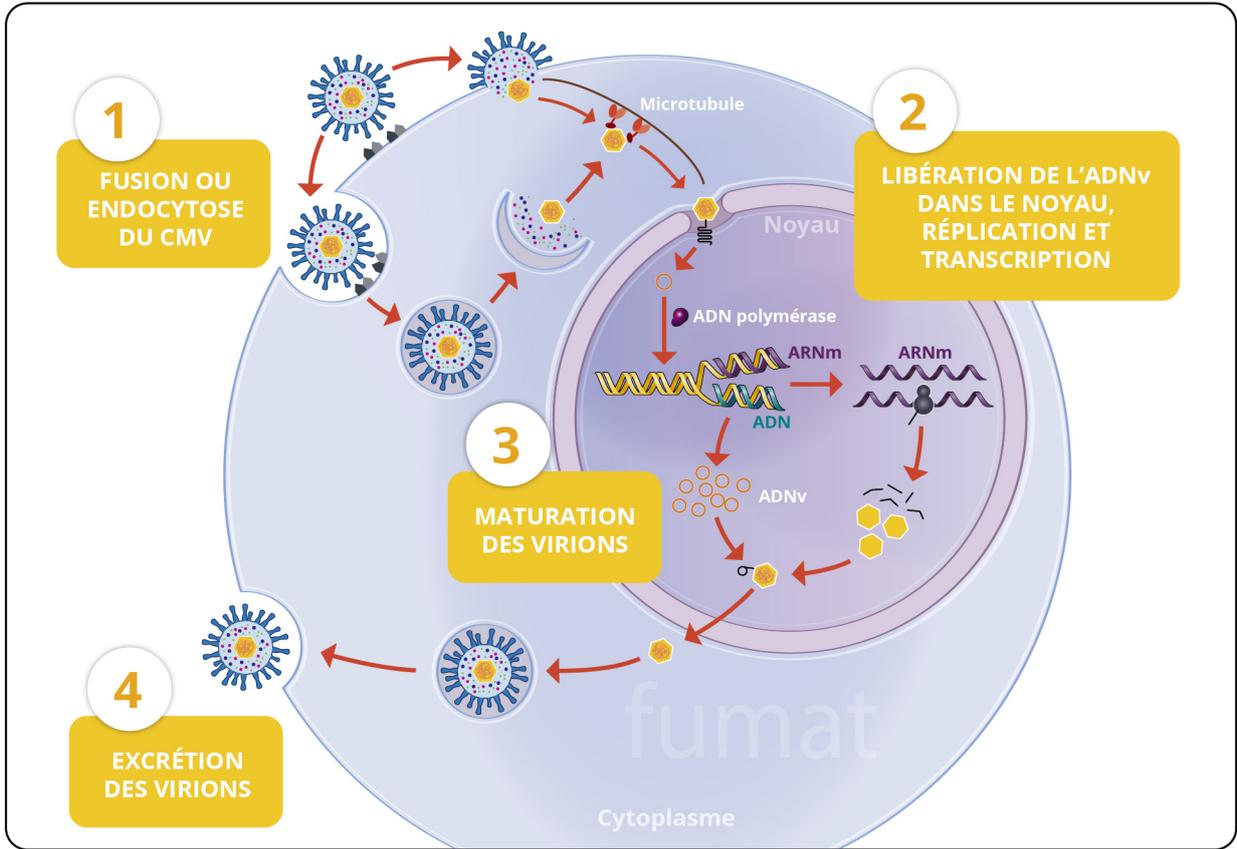




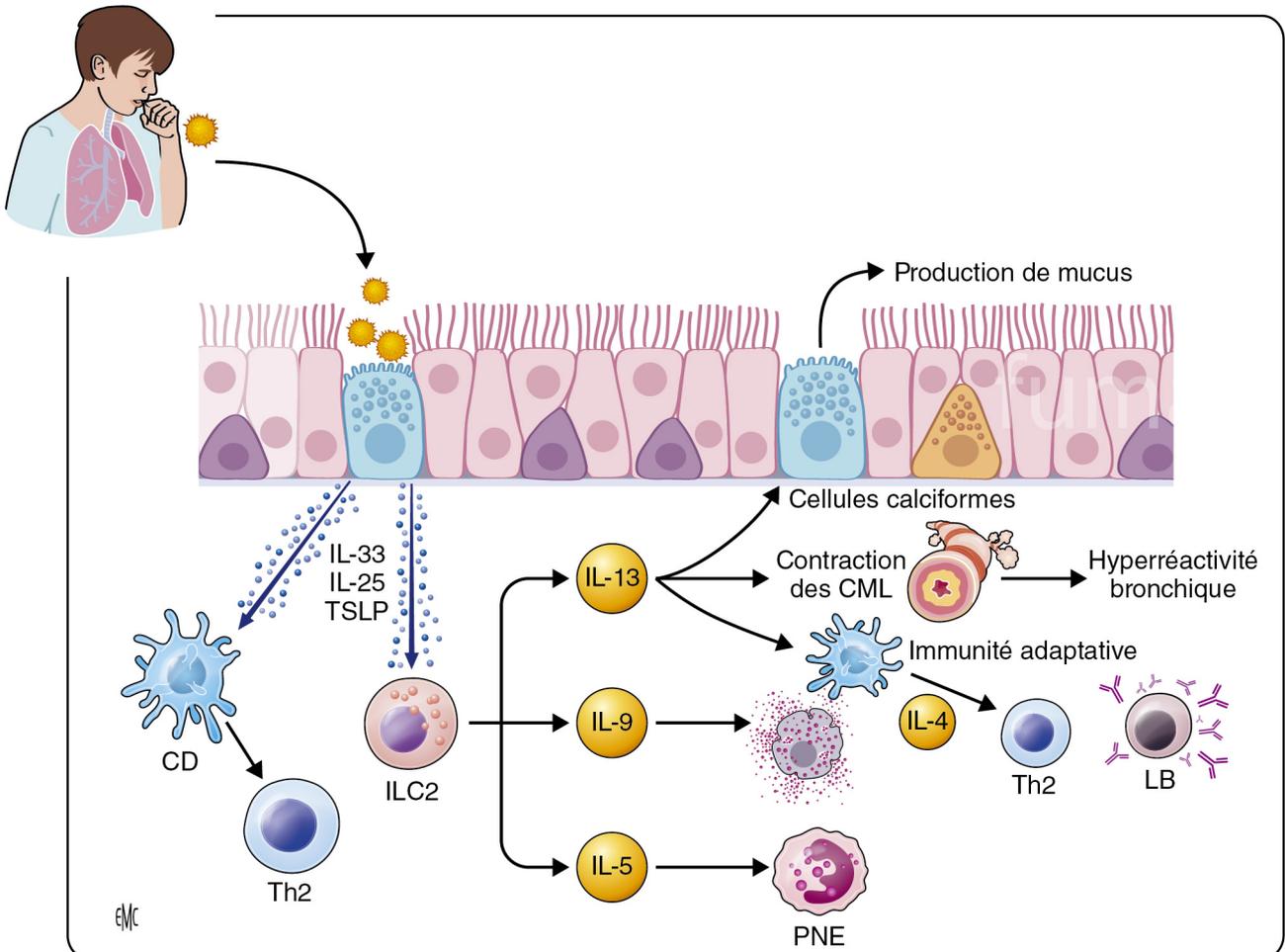
**Agence communication santé**

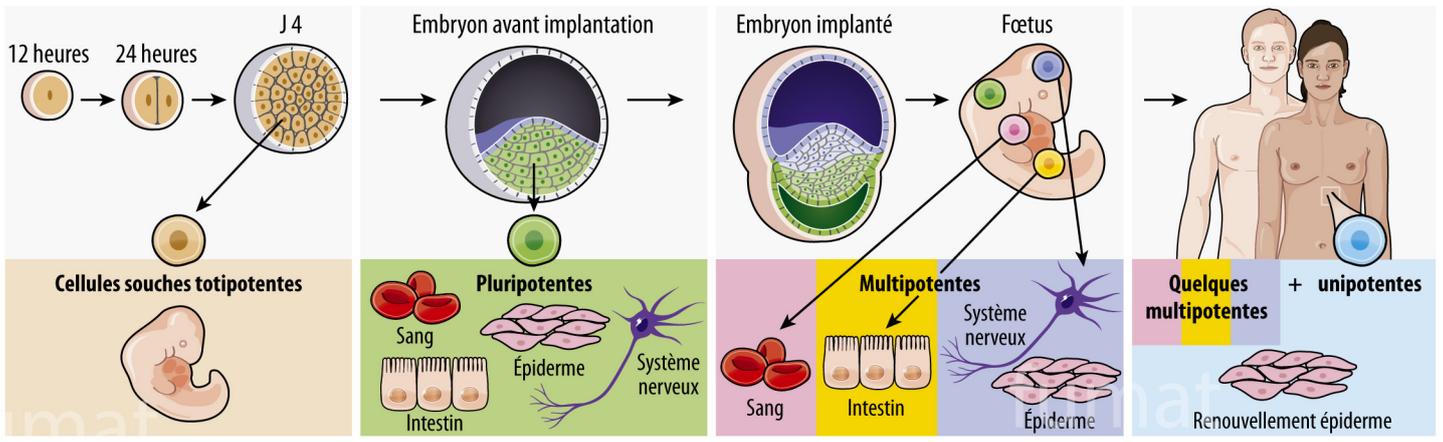




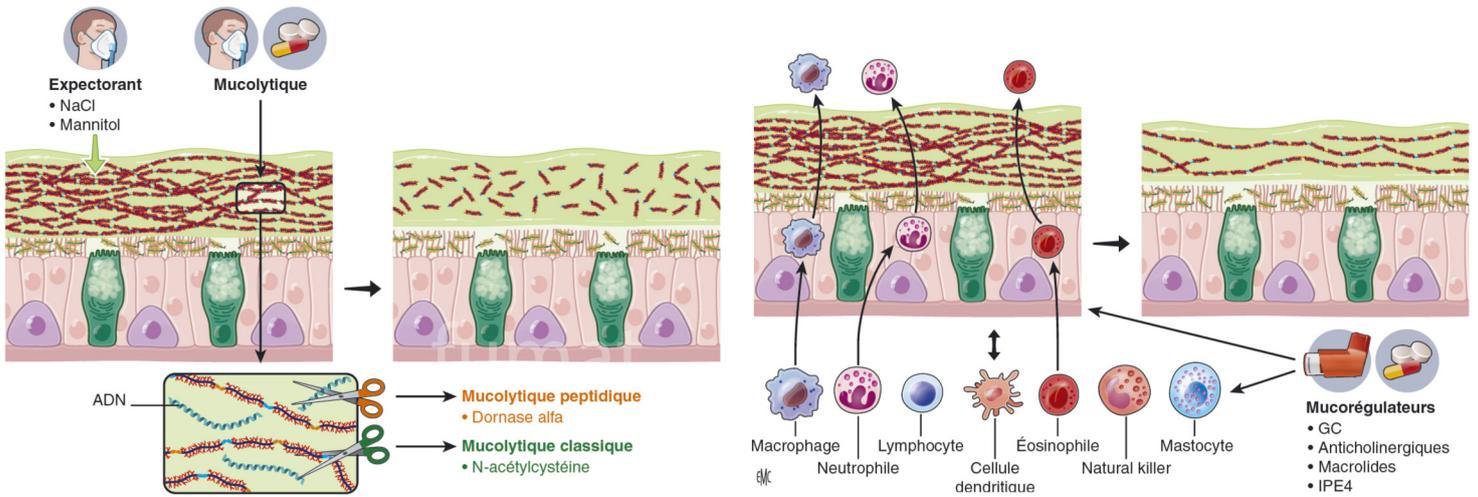


Agence communication santé

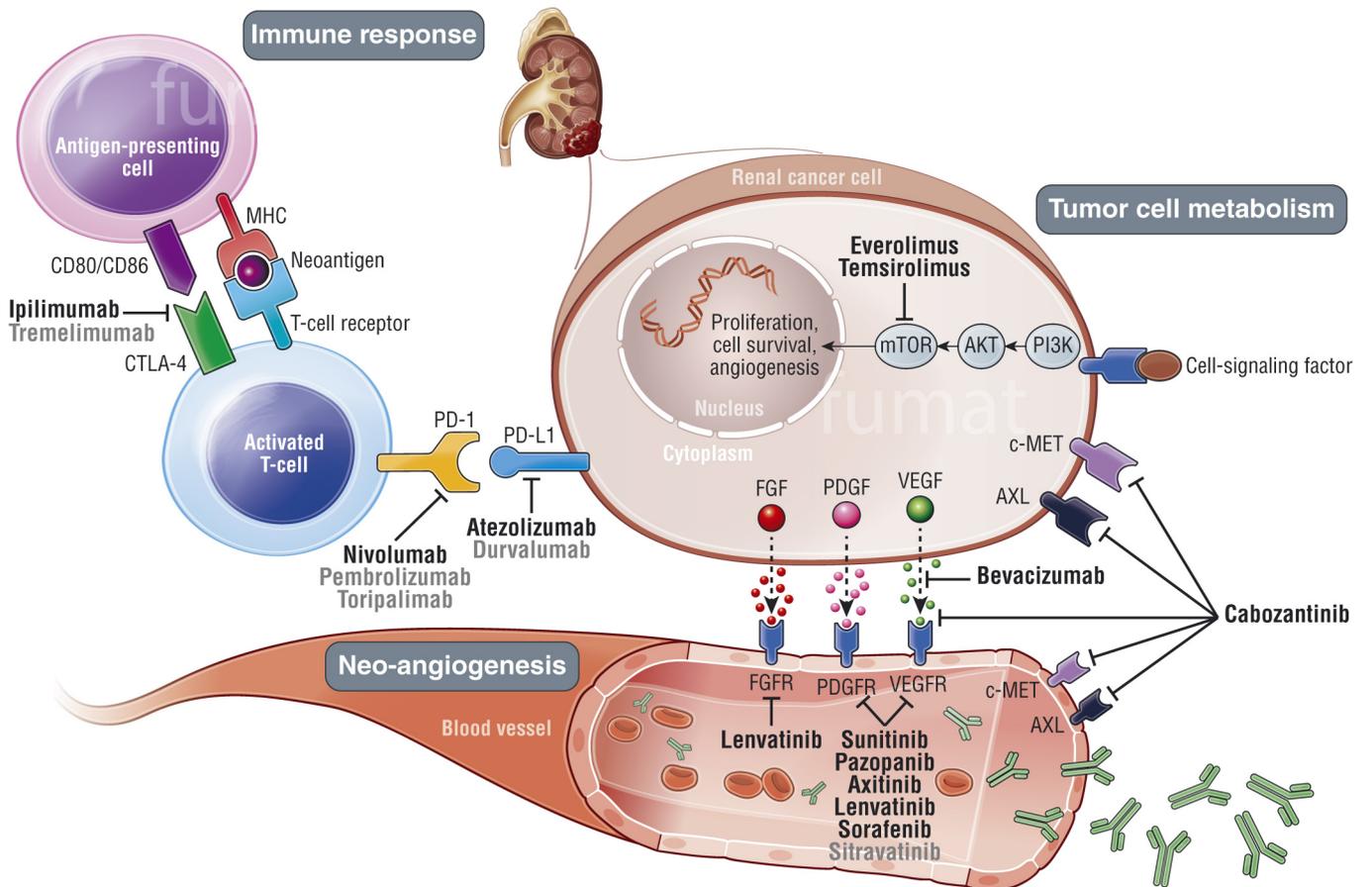


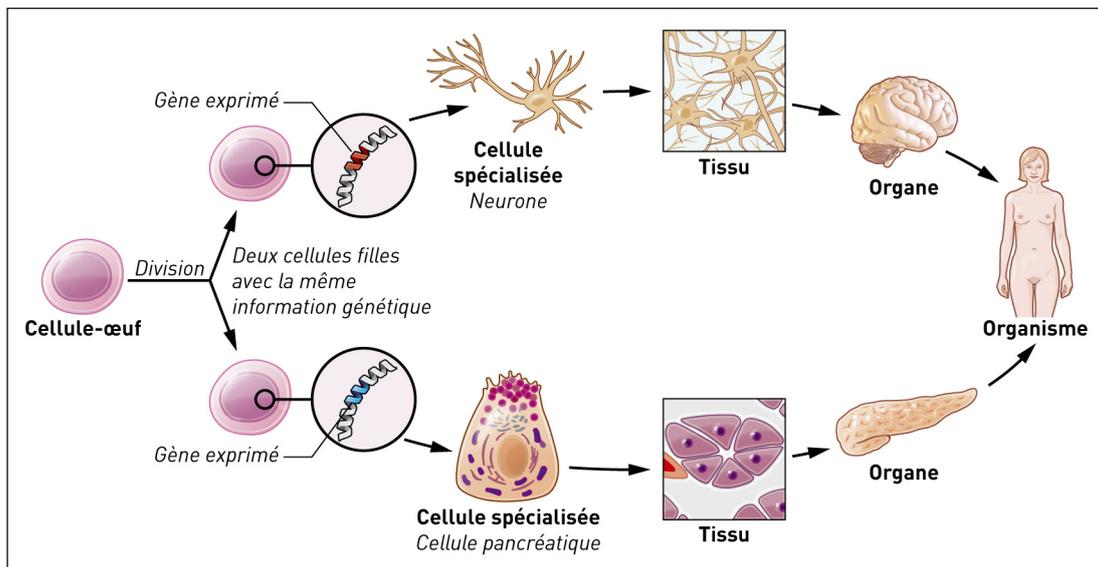
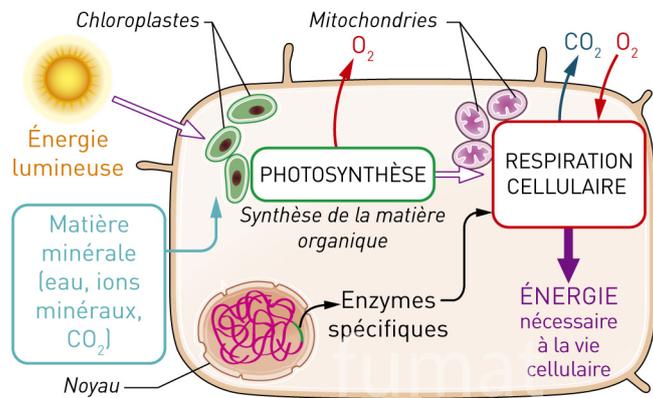
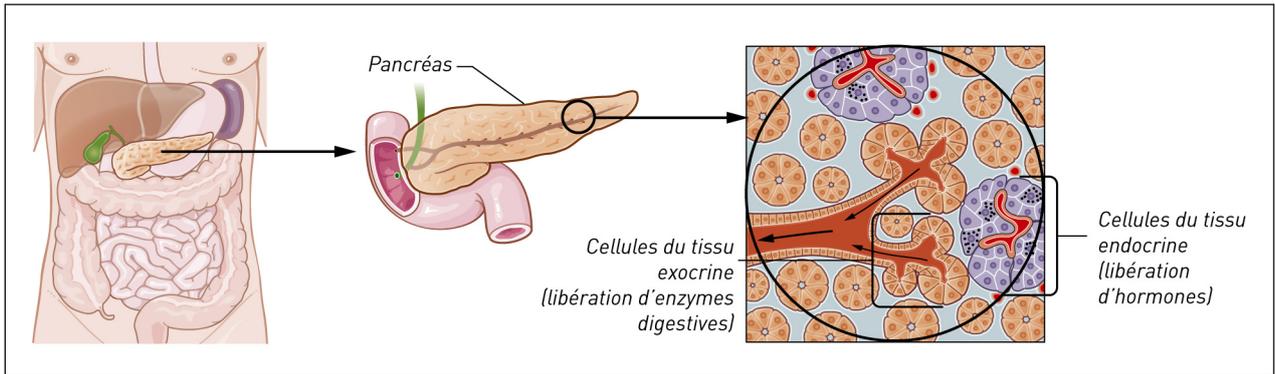
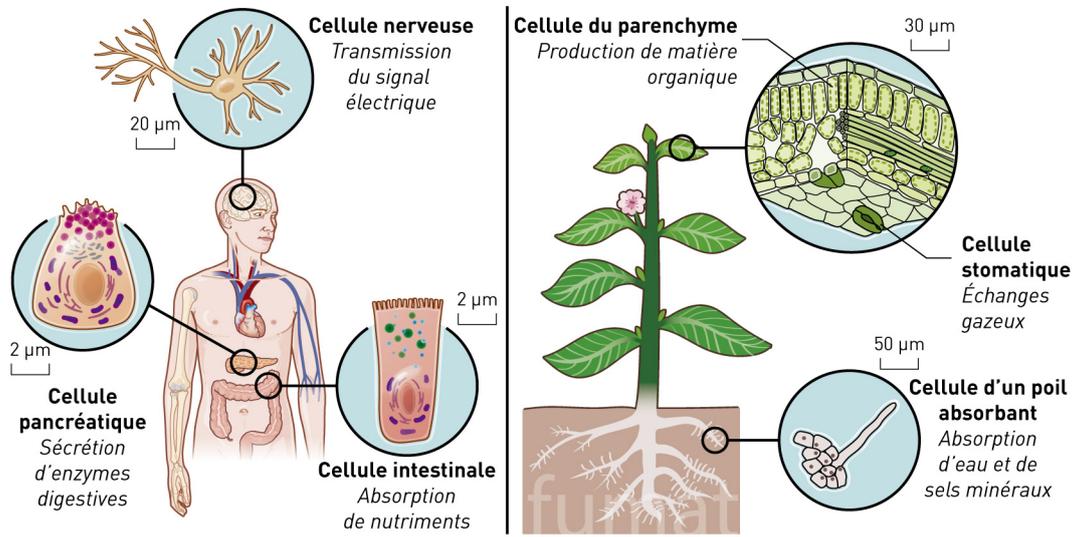


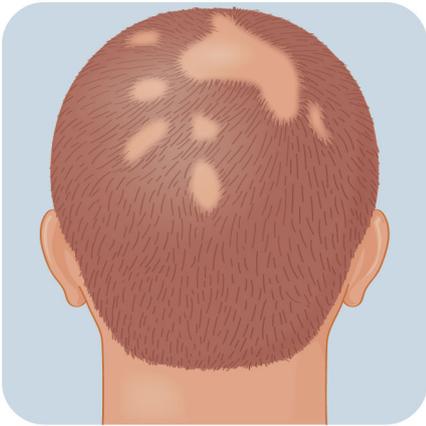
**Éditions Didier**



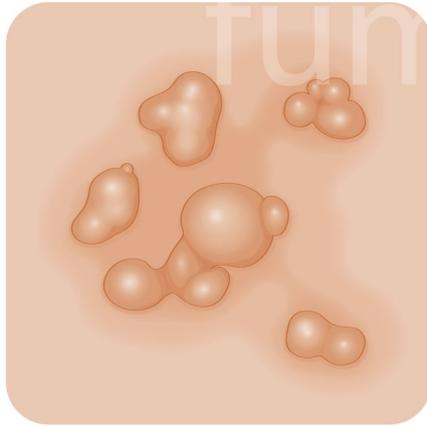
**Elsevier Masson - EMC**







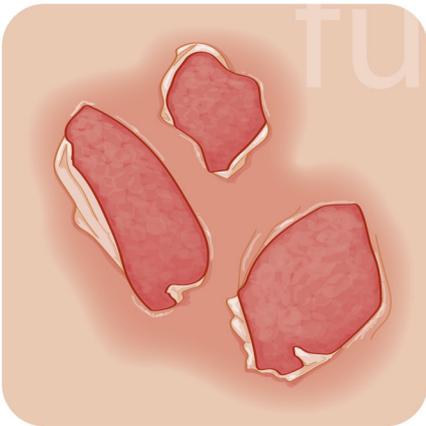
**Alopécie**



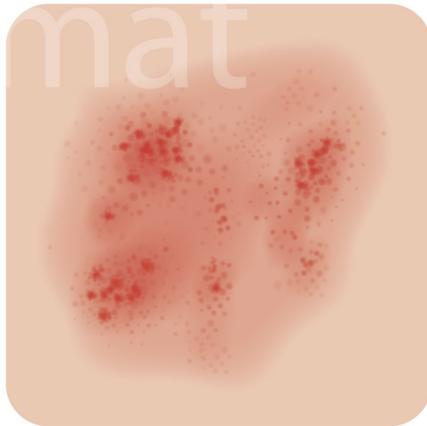
**Bulle**



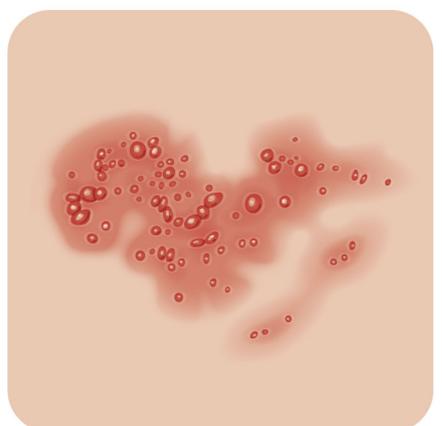
**Sécheresse**



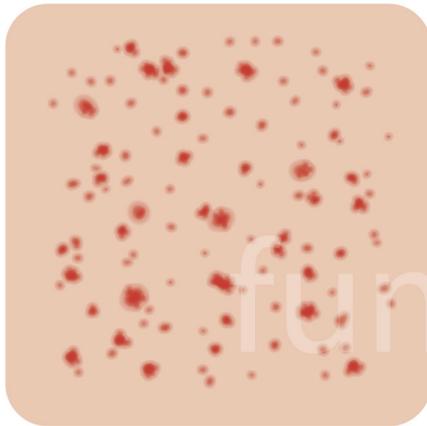
**Décollement de la peau**



**Érythème**



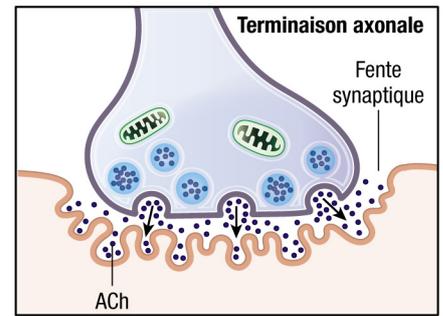
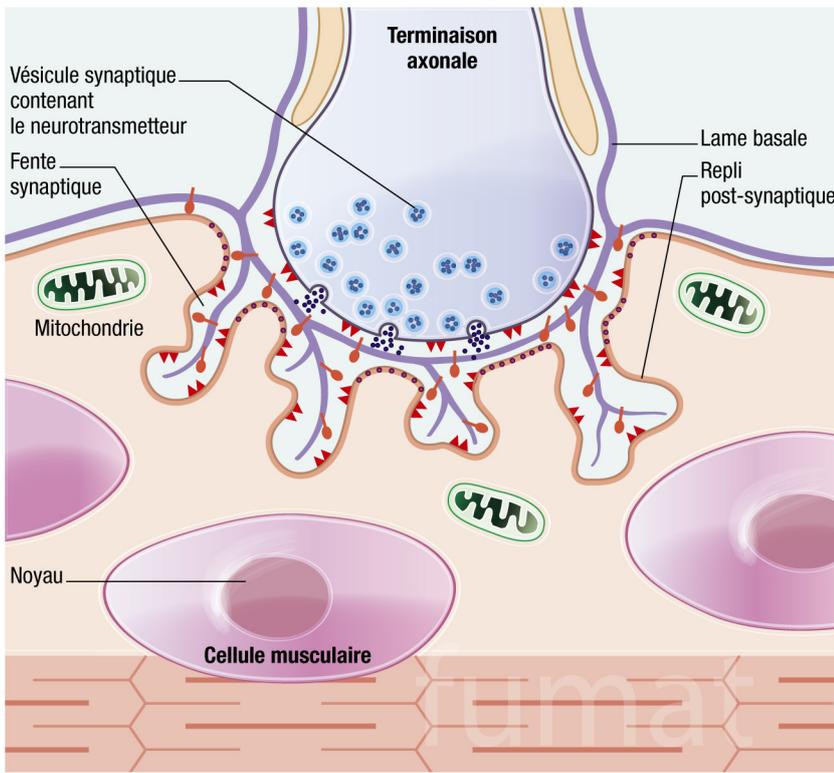
**Vésicule avec érythème**



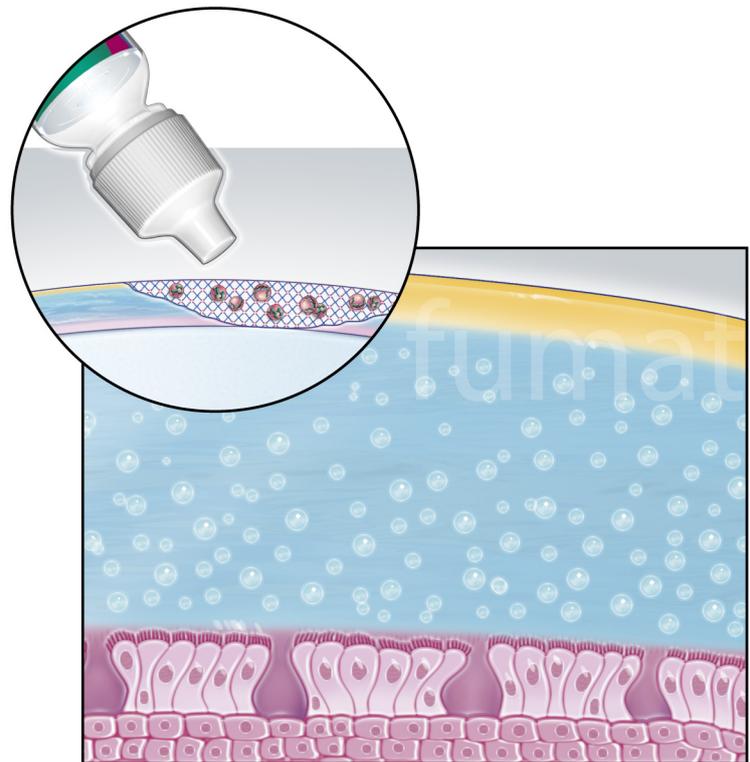
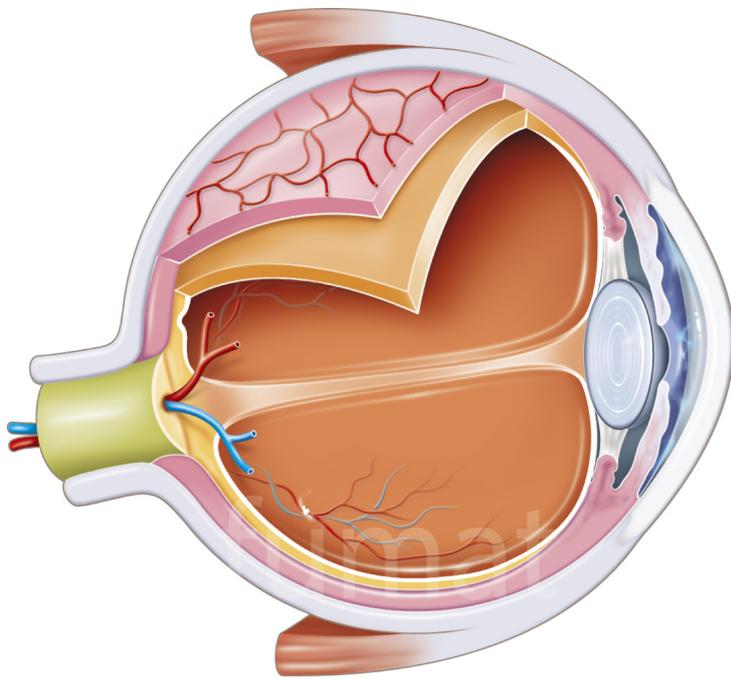
**Macule**

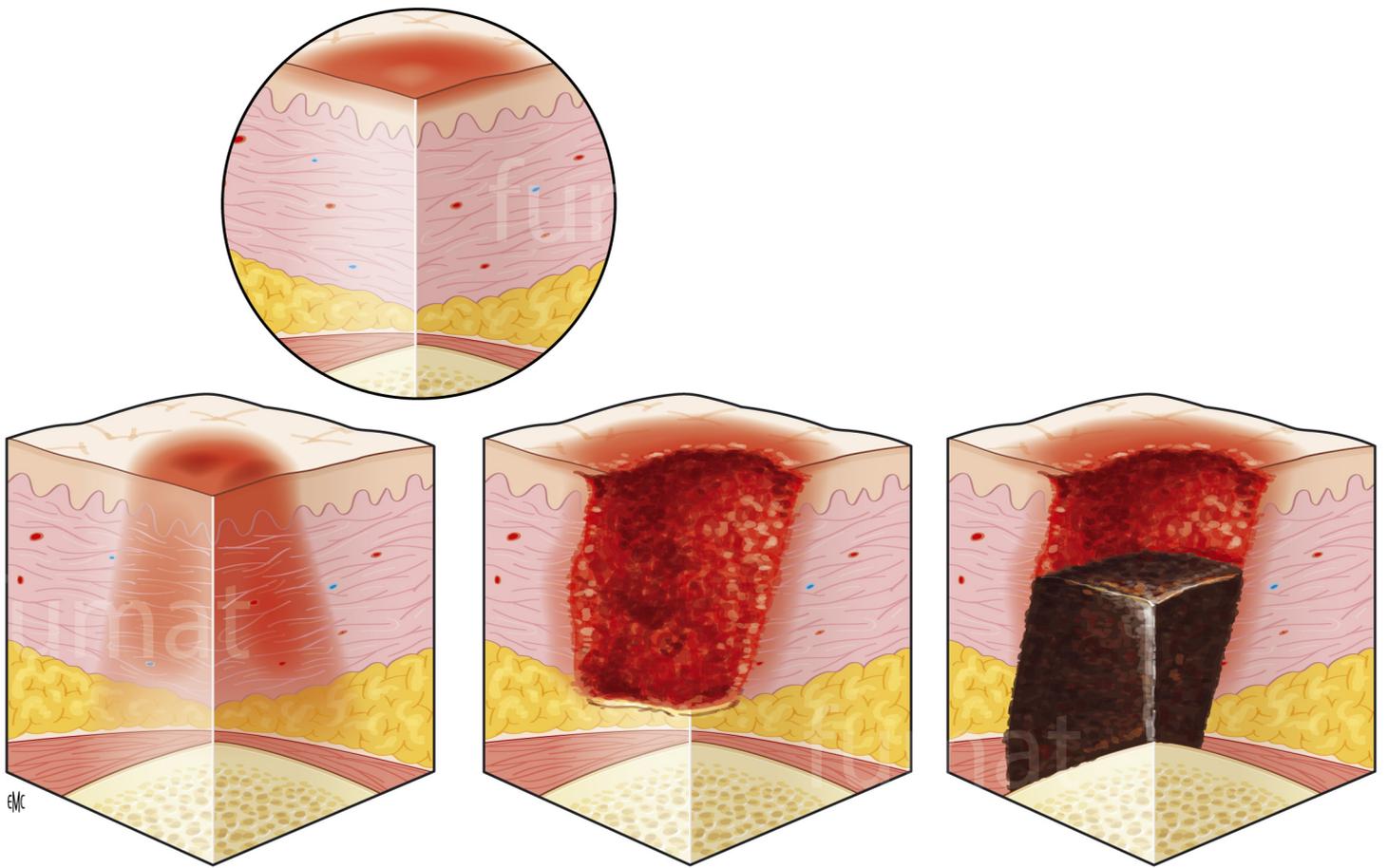


**Papule**



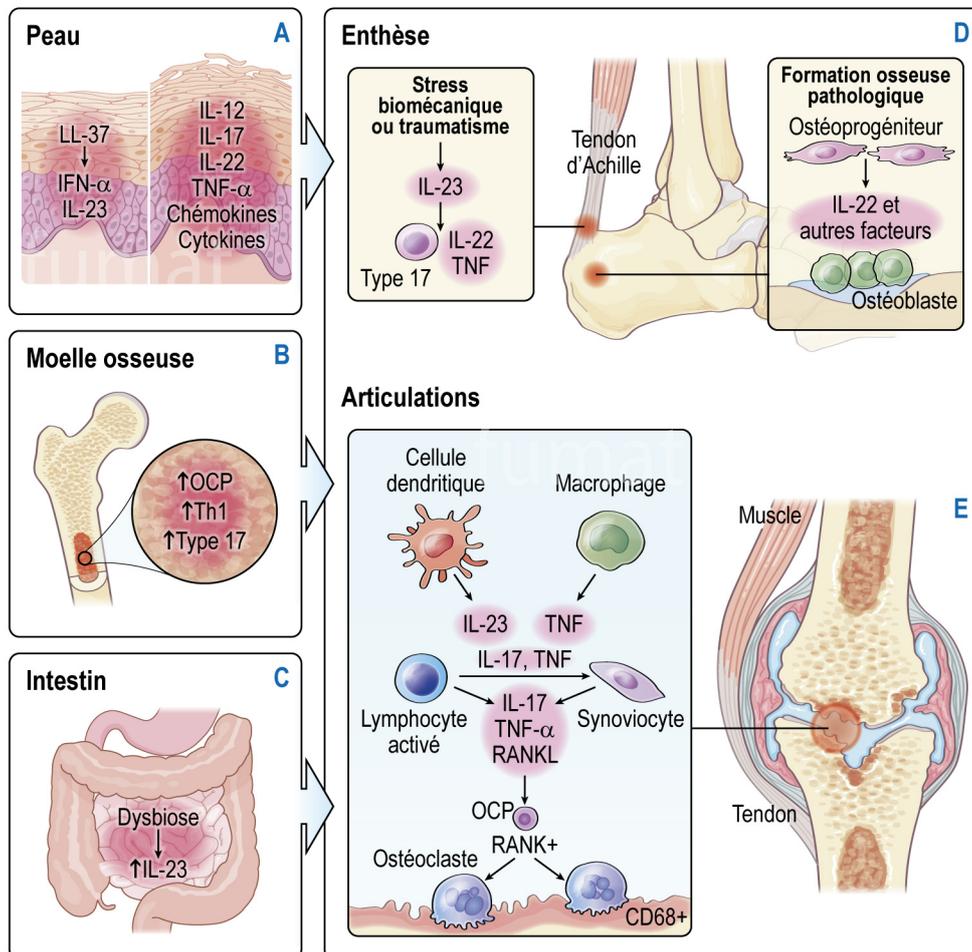
Elsevier Masson





Elsevier Masson - EMC

Voie de signalisation physiopathogénique dans le RPso



## Les principaux organes et tissus lymphoïdes

**Amygdales et végétations**  
Activation des lymphocytes T et B

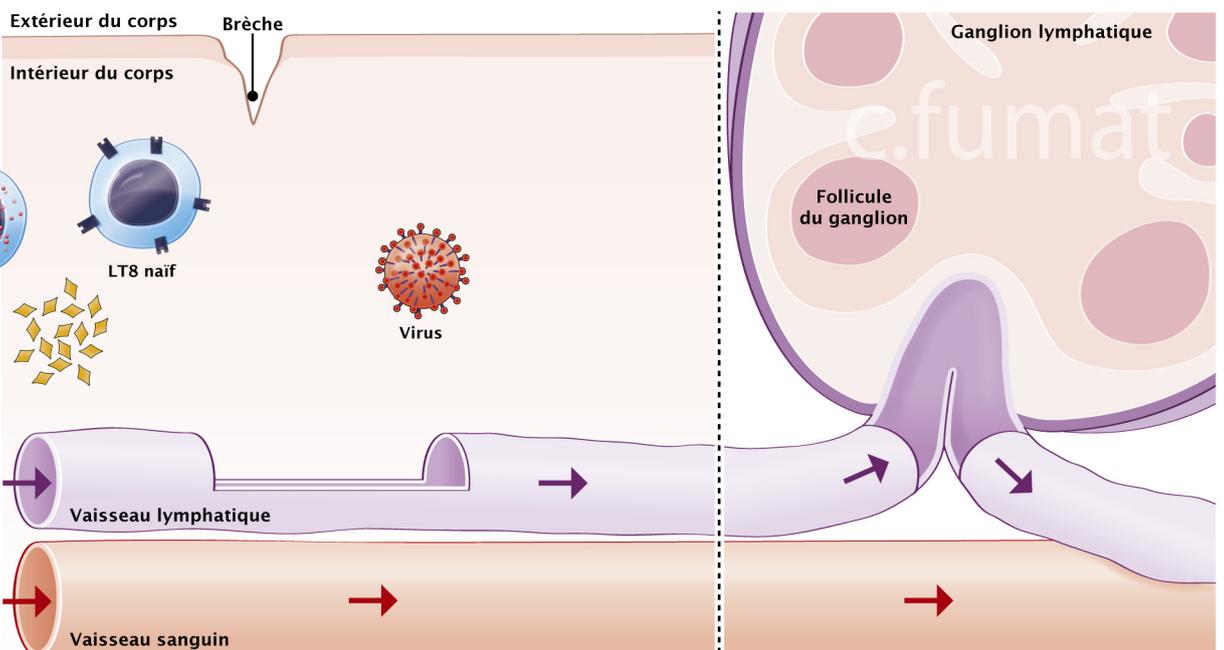
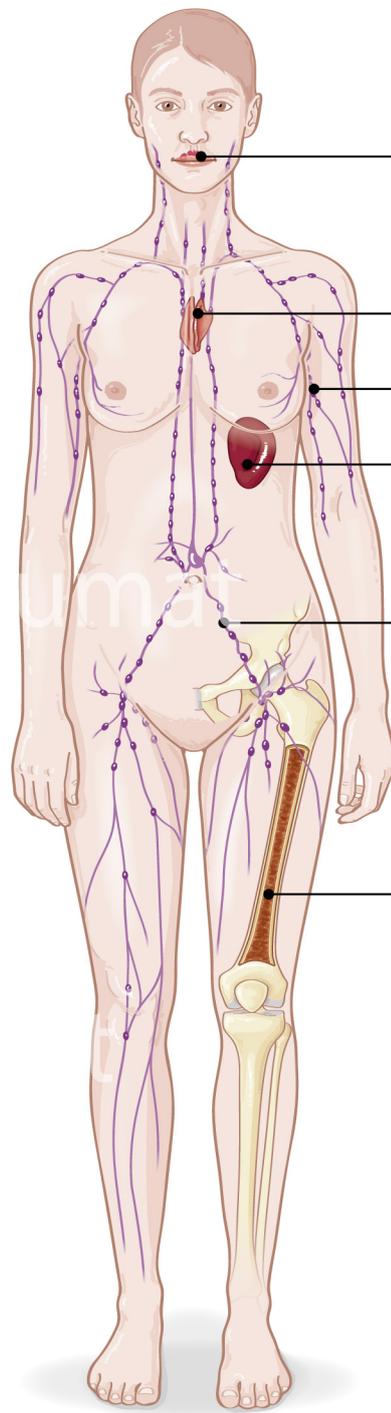
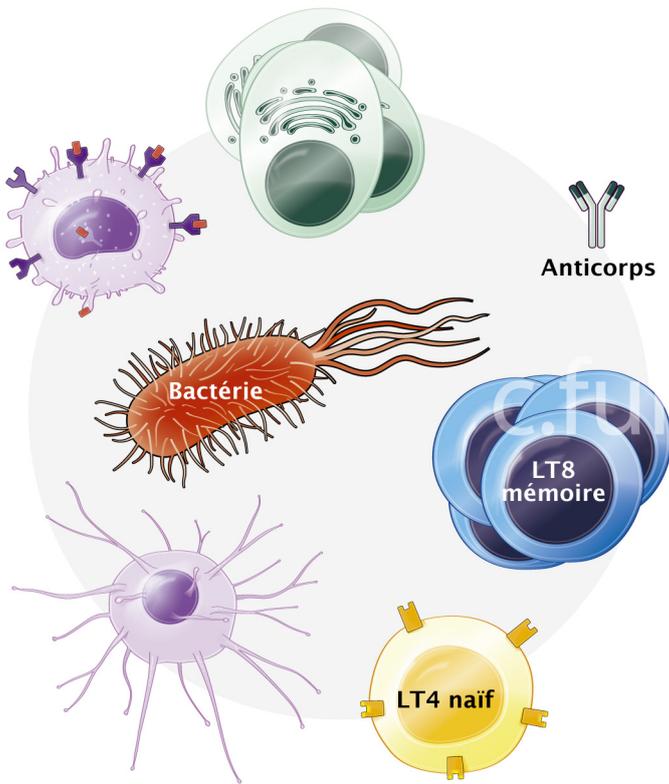
**Thymus**  
Maturation des lymphocytes T

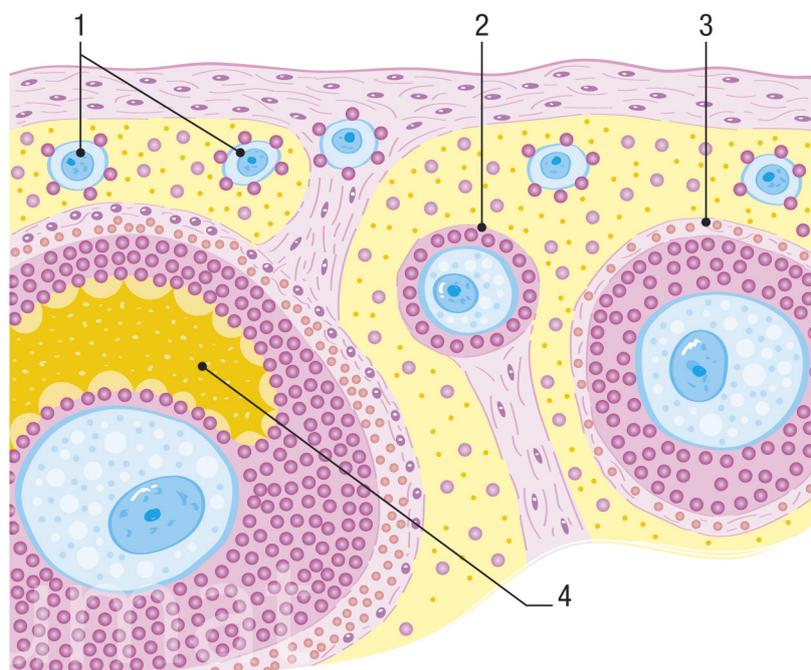
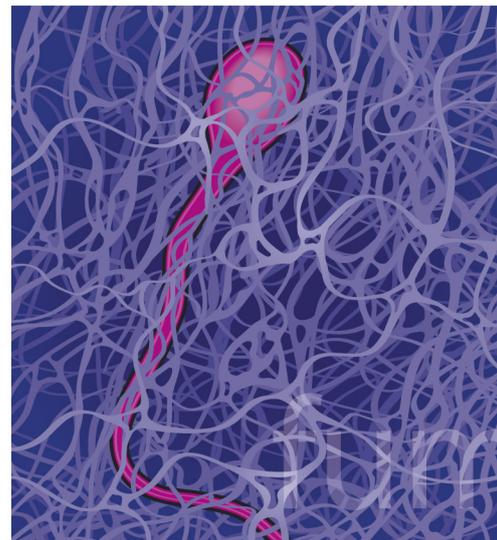
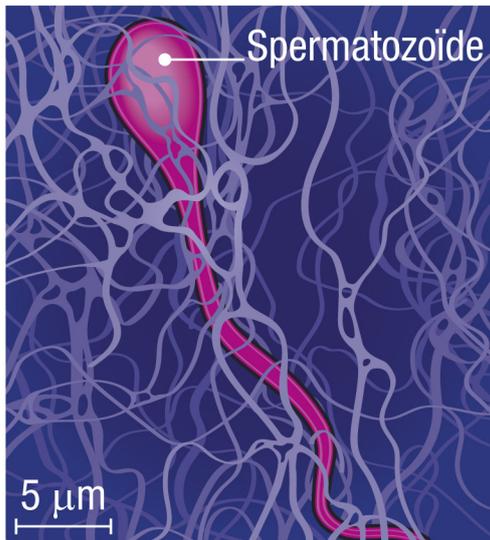
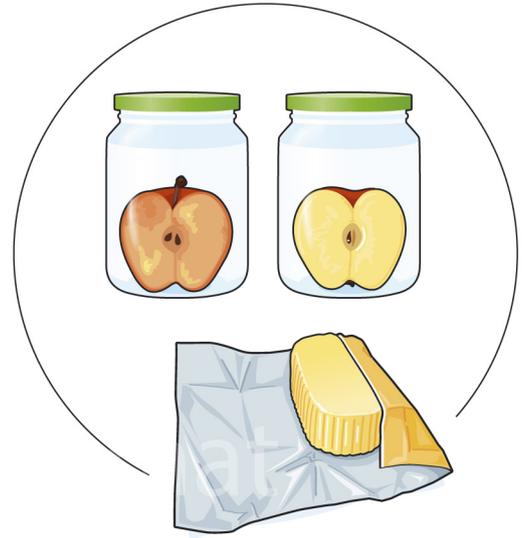
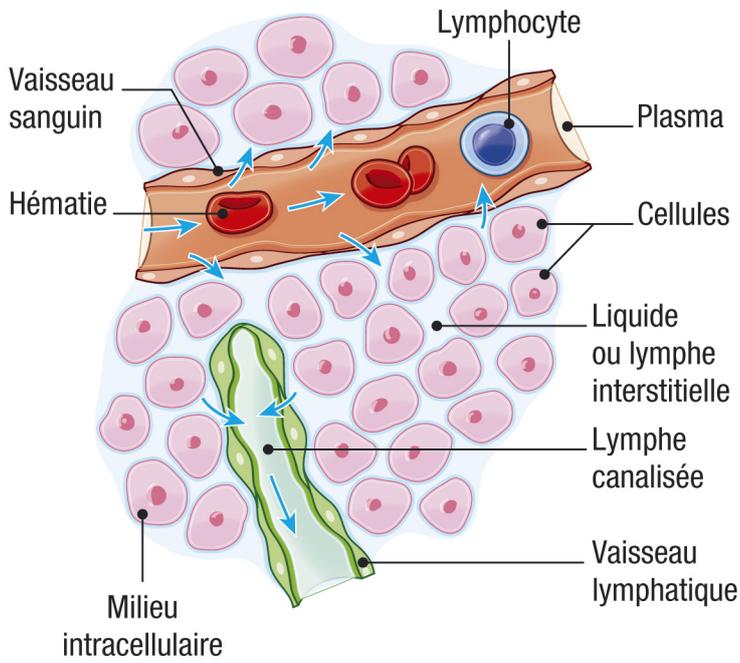
**Ganglions lymphatiques**  
Activation des lymphocytes T et B

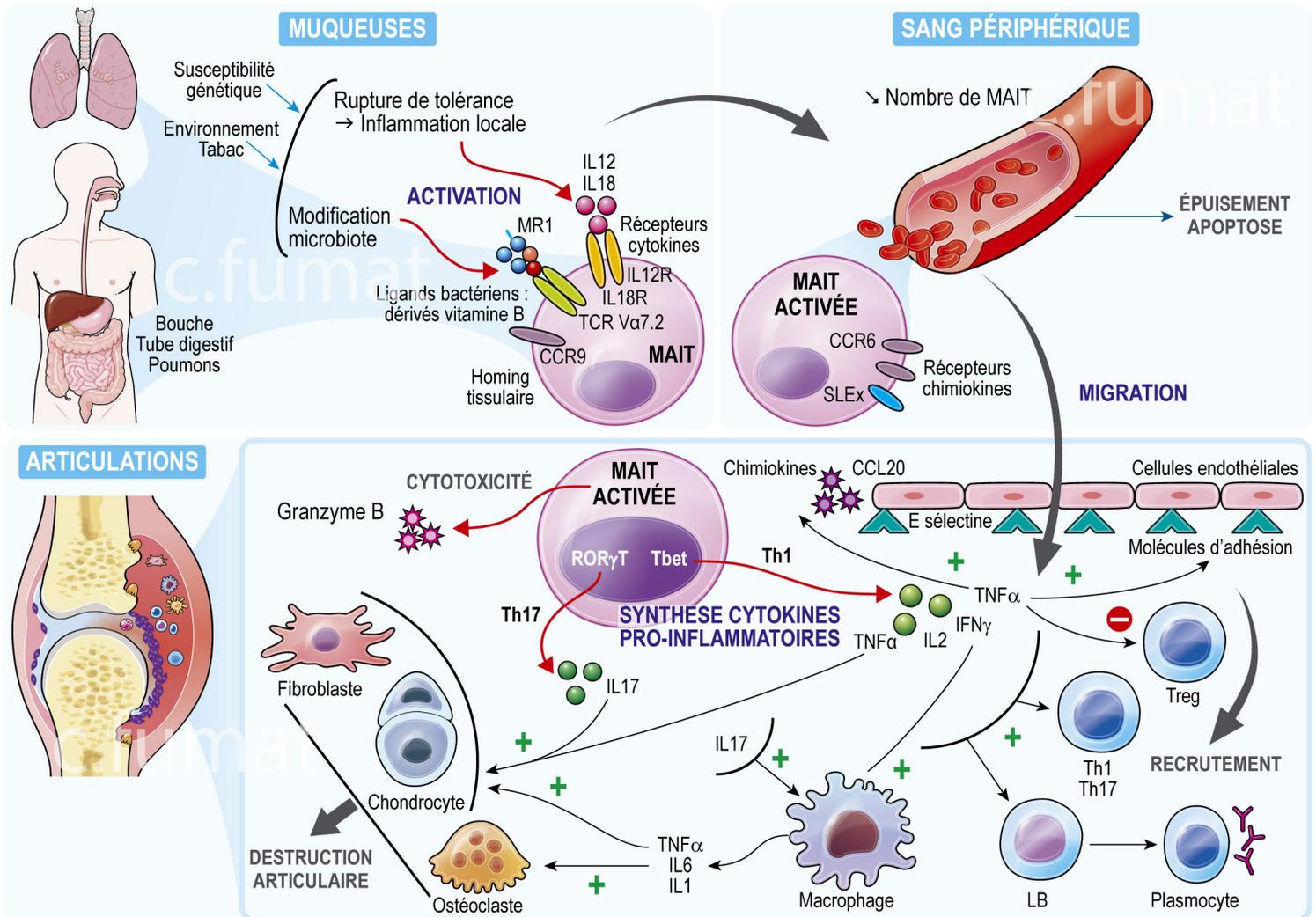
**Rate**  
Activation des lymphocytes T et B

**Vaisseaux lymphatiques**  
Circulation des cellules du système immunitaire

**Moelle osseuse**  
Production des progéniteurs des cellules du système immunitaire  
Développement et maturation des lymphocytes B



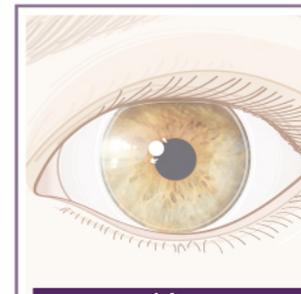




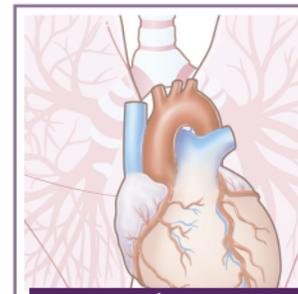
# Personnages



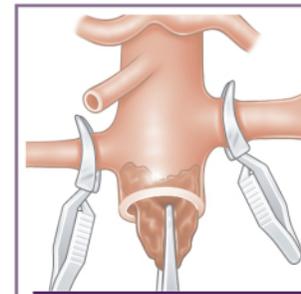
# Illustration médicale & scientifique



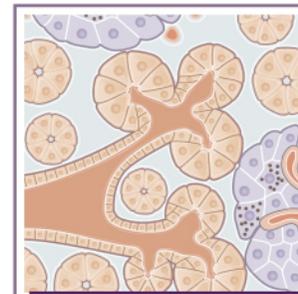
Page d'accueil



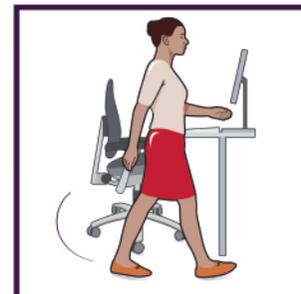
Anatomie



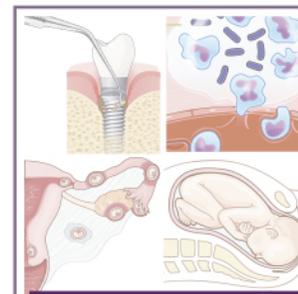
Chirurgie



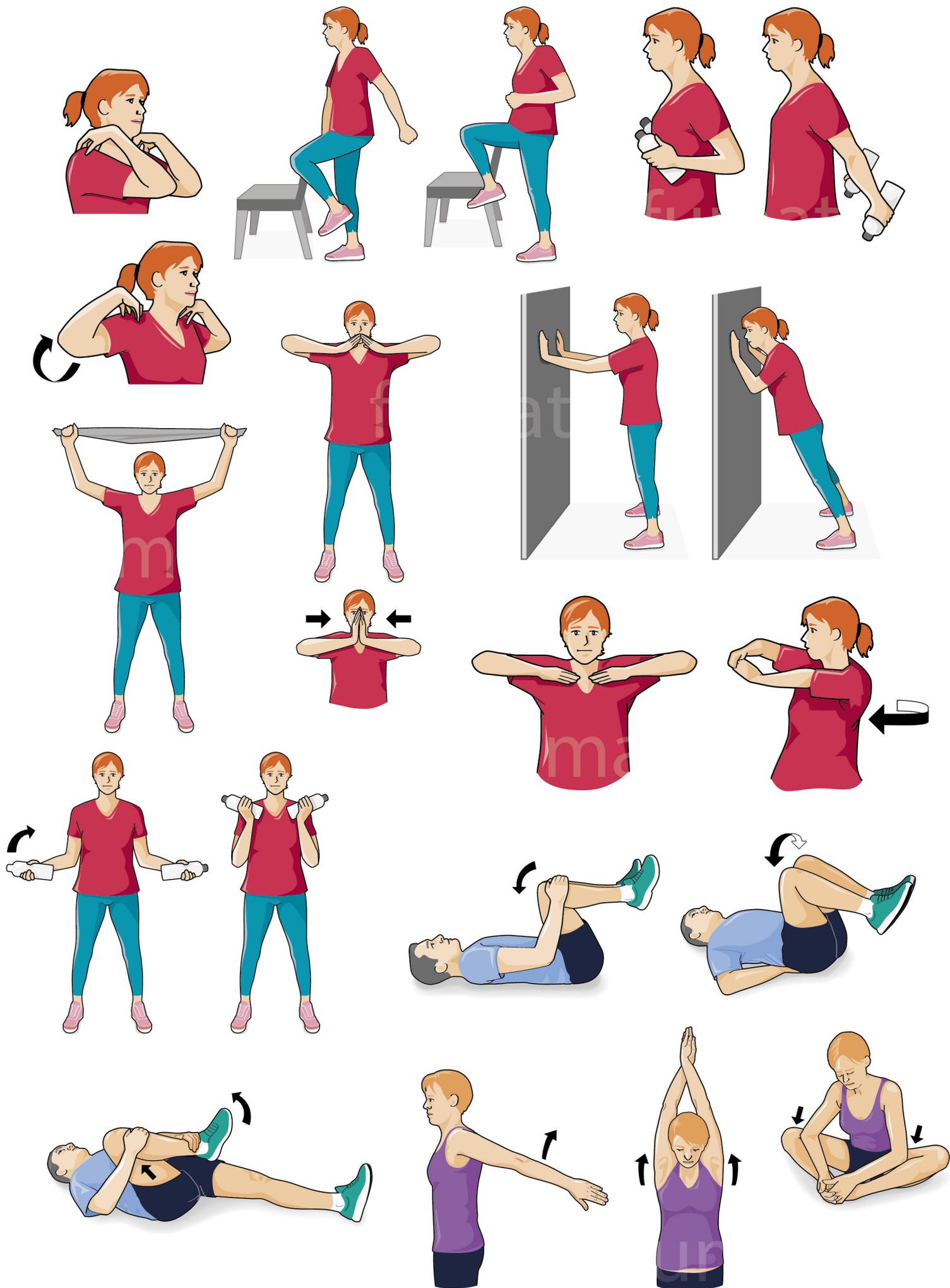
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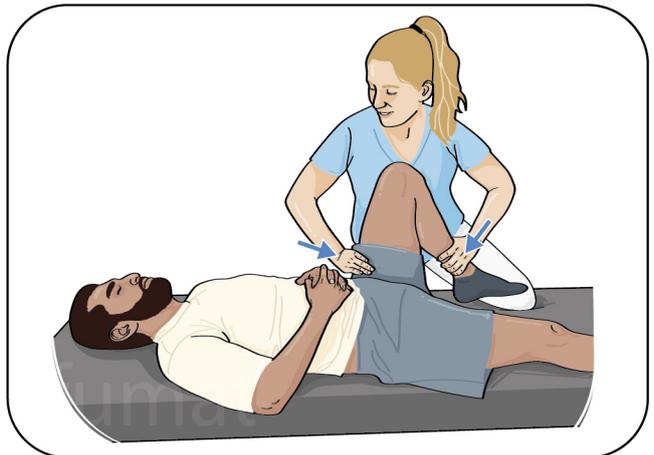
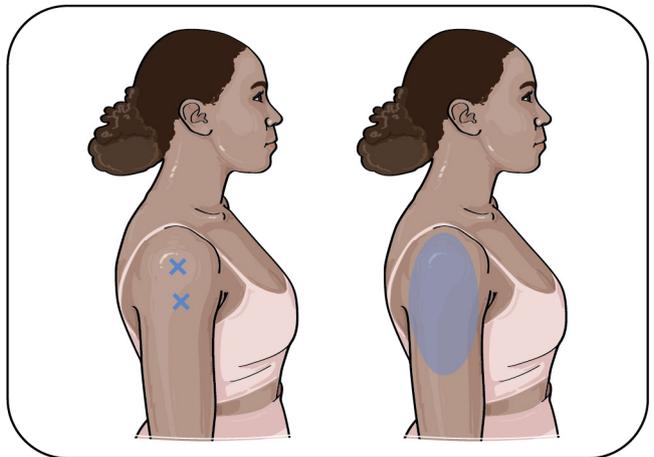
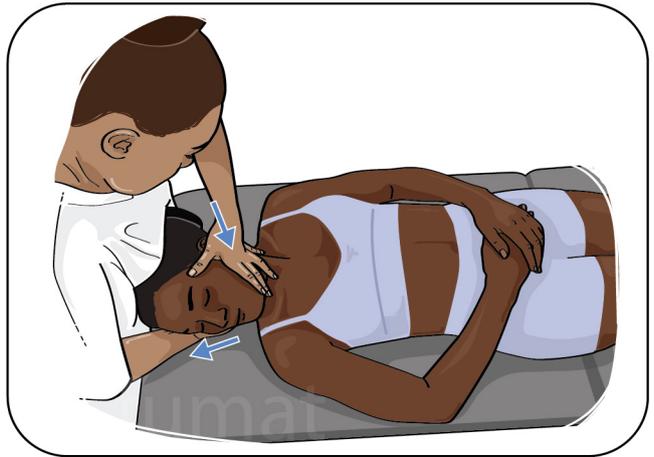
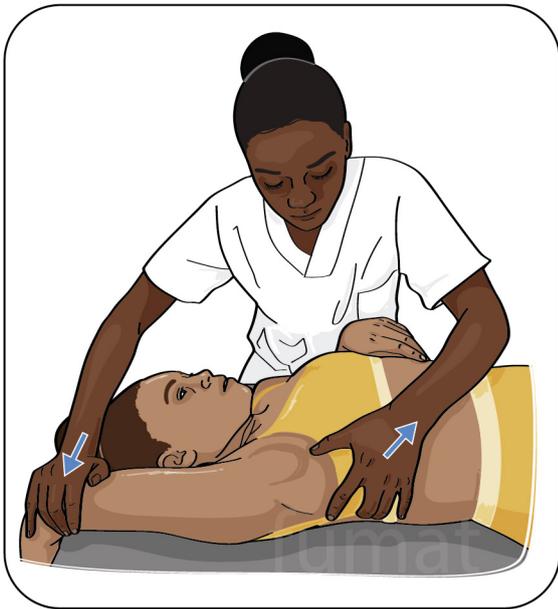
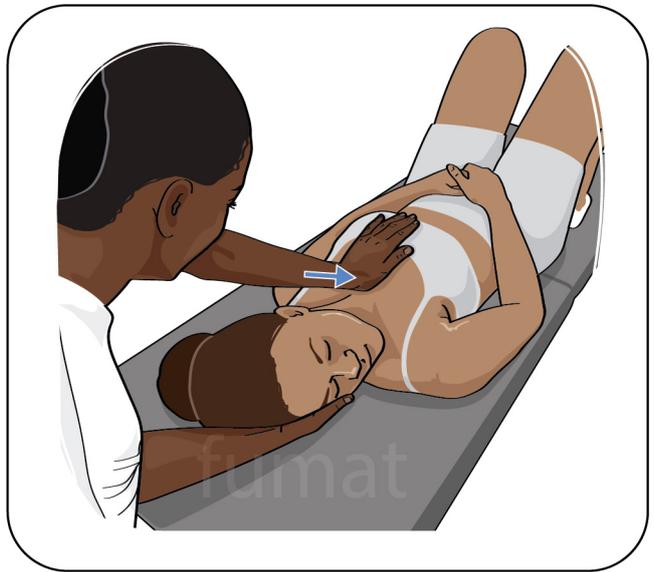


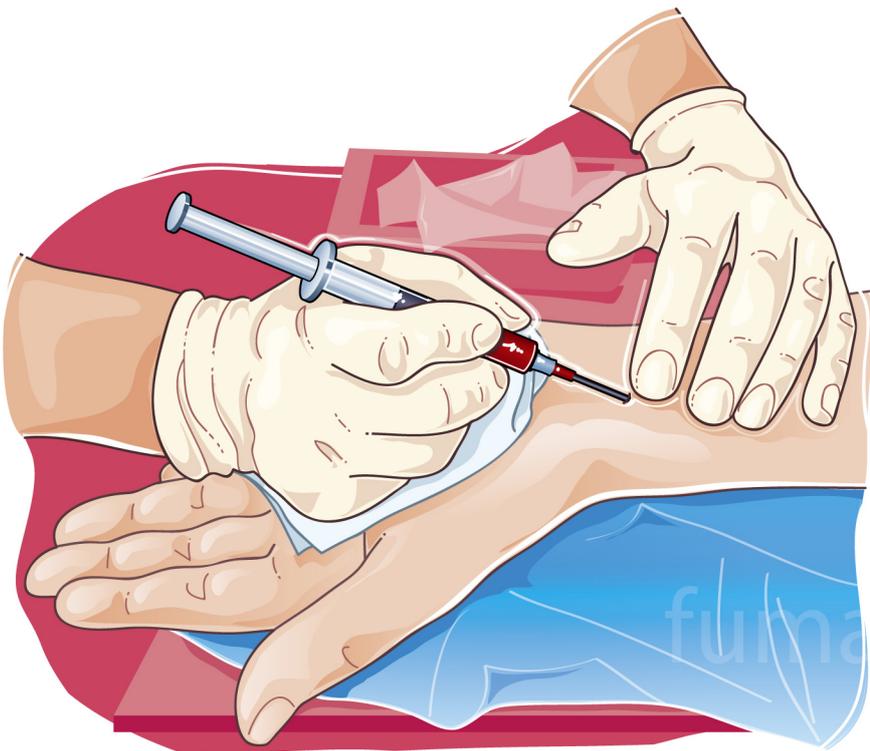
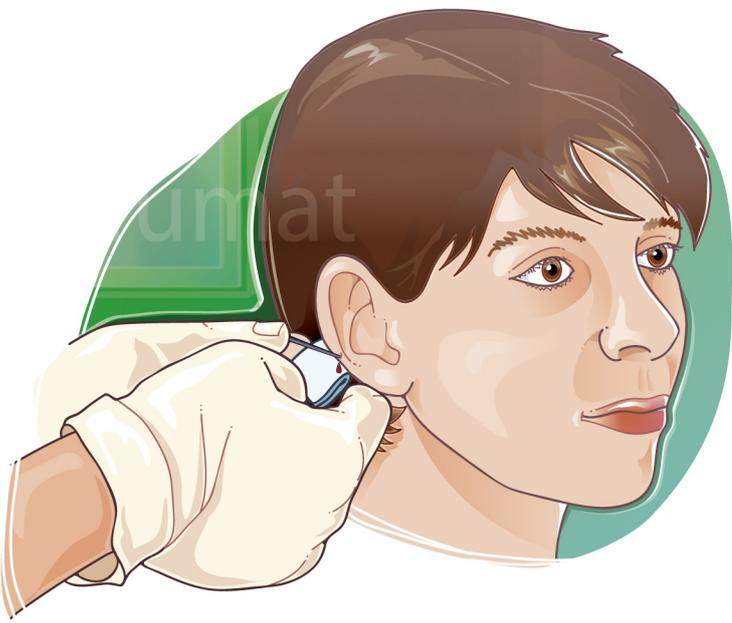
Personnages

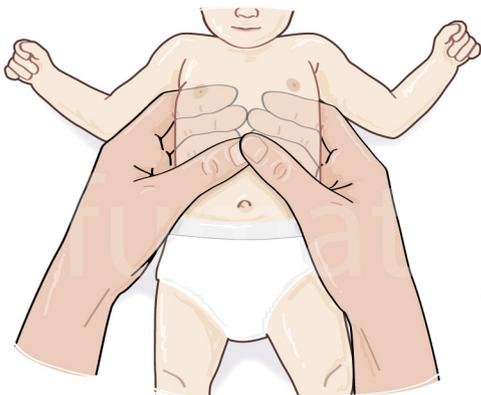
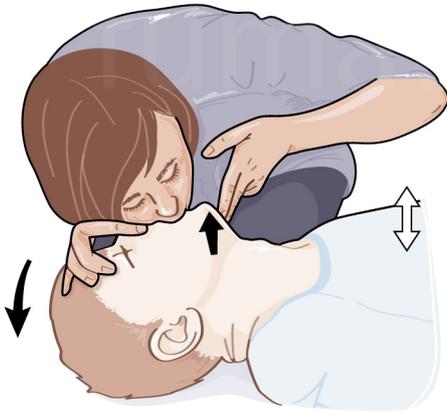


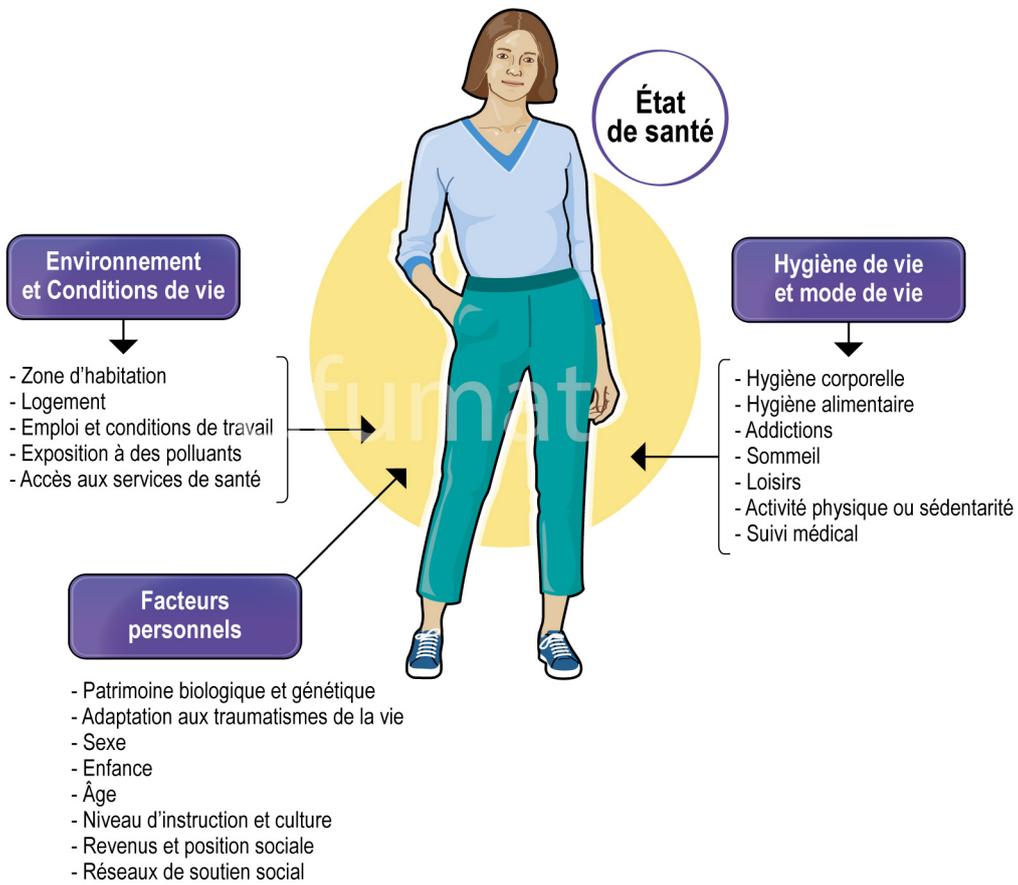
Divers



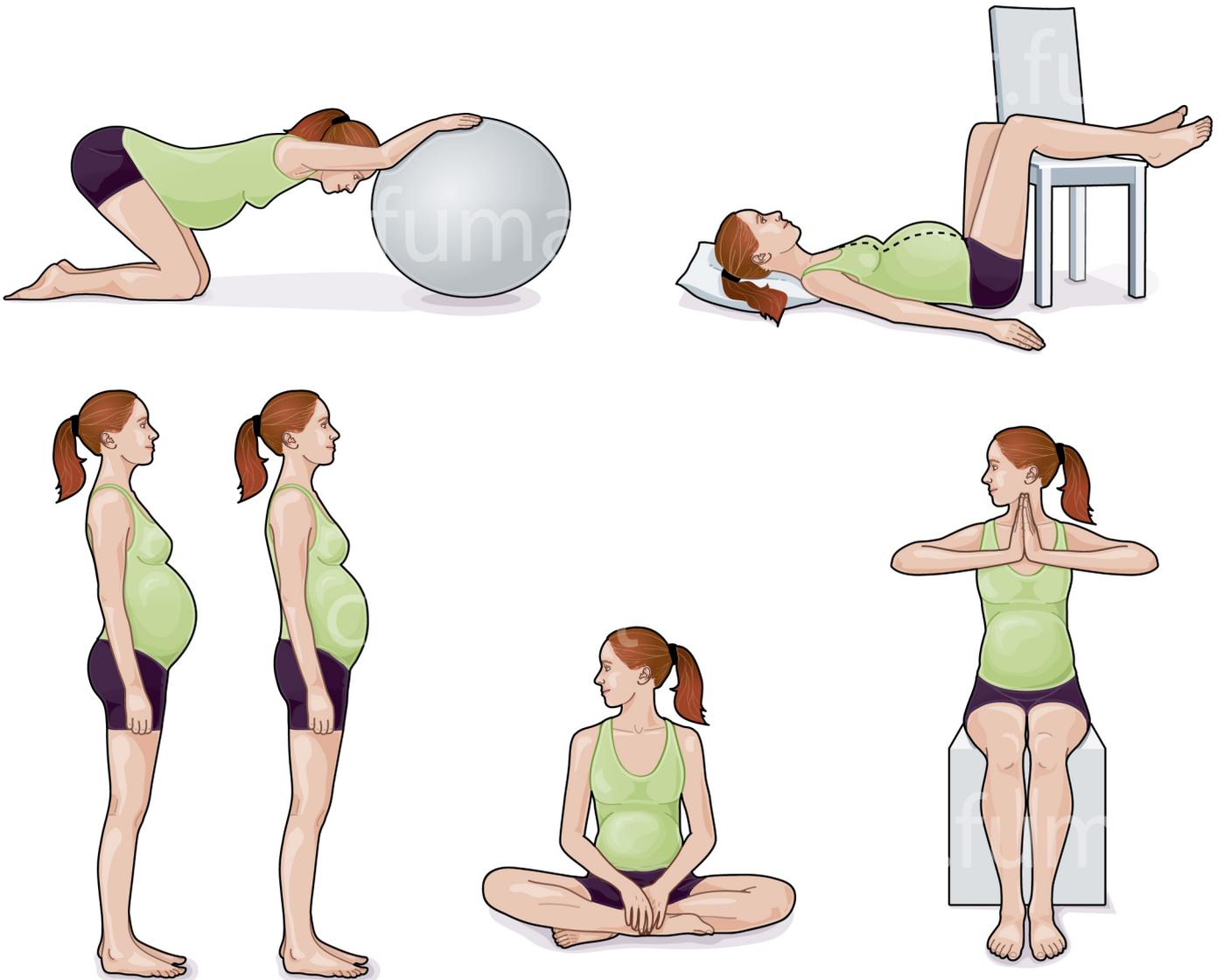


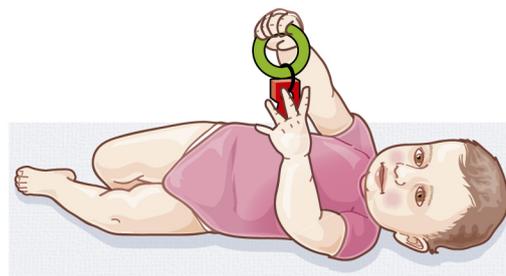
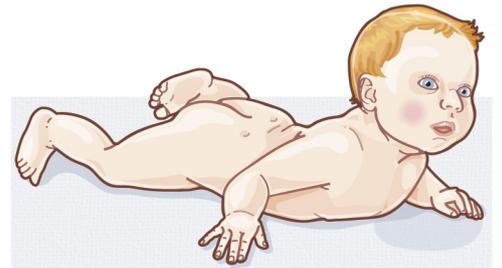
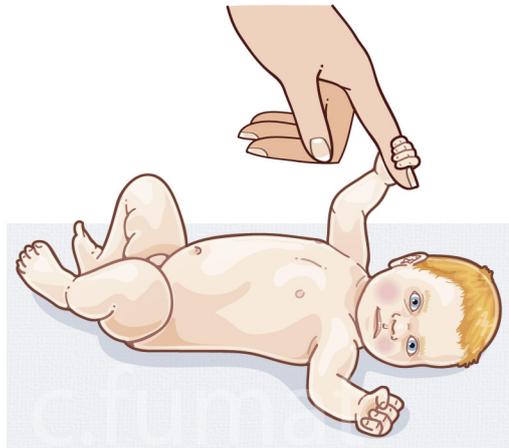
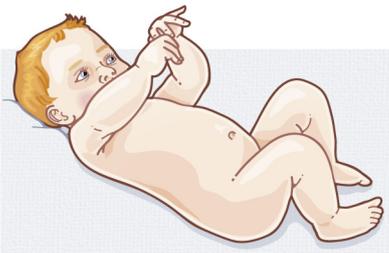


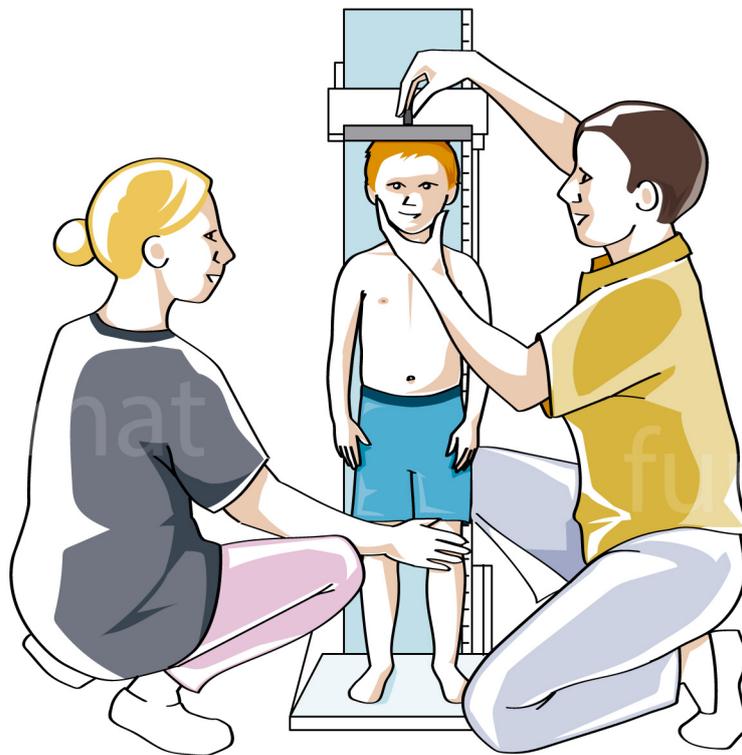
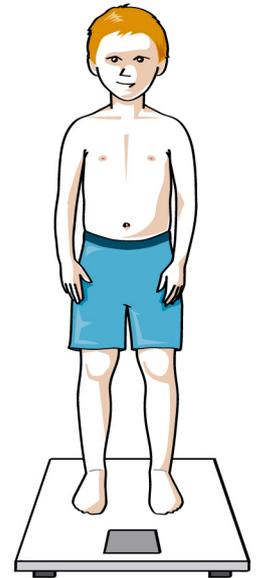
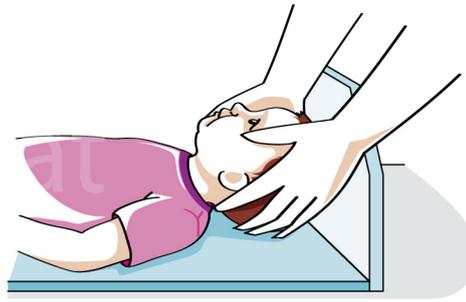




**Elsevier Masson**





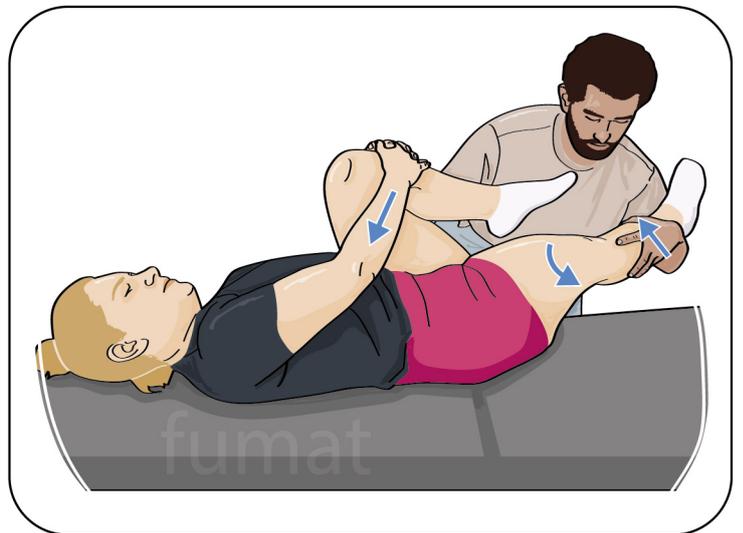
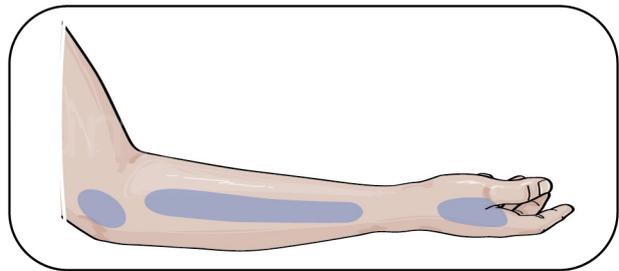
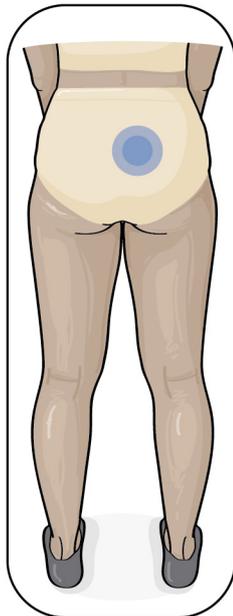
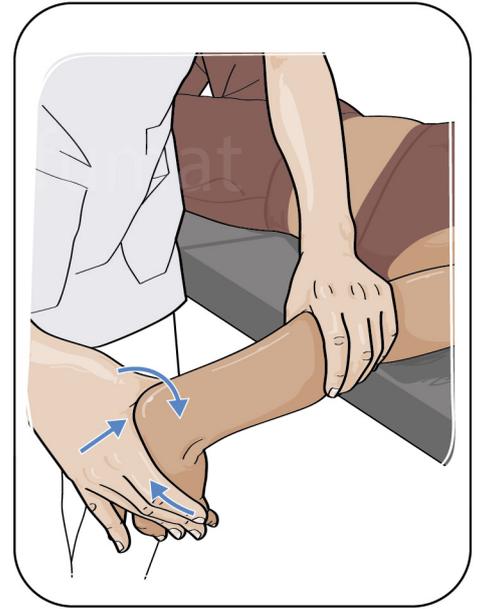
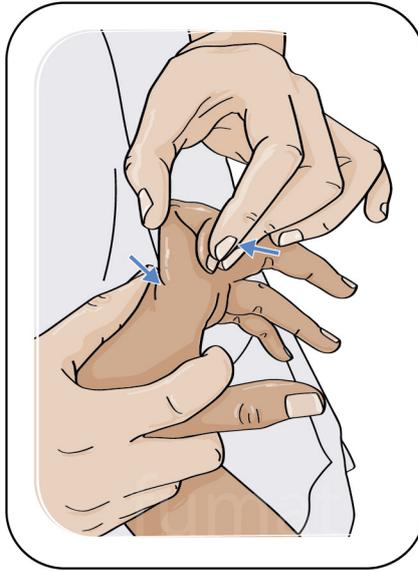
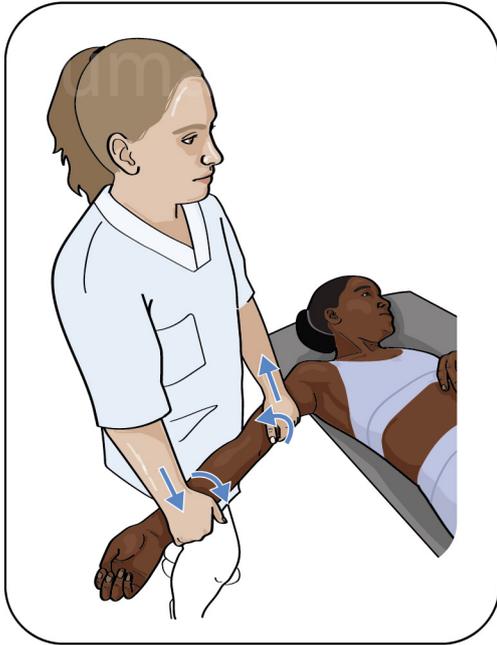
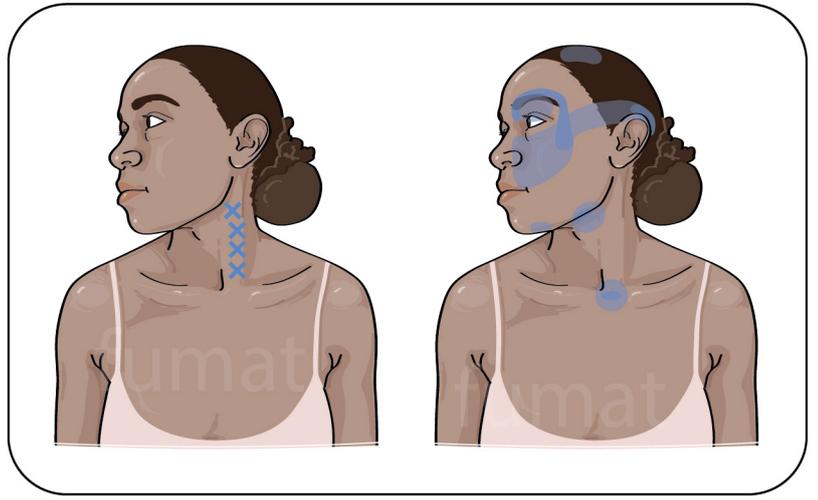
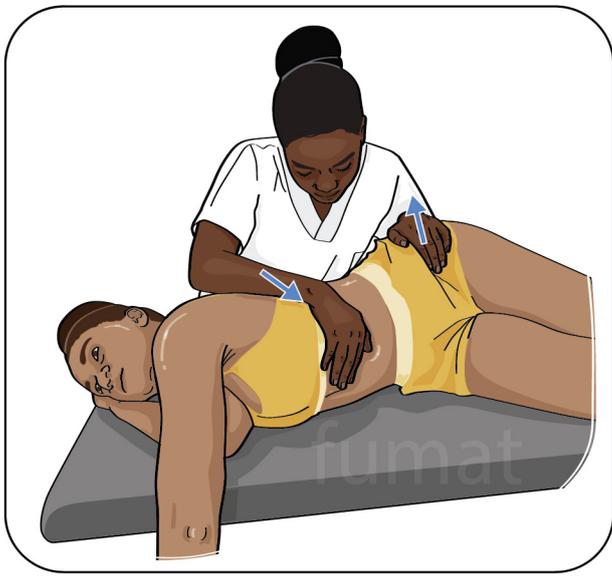




Elsevier Masson

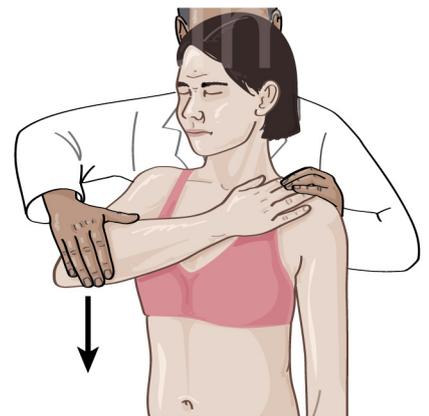
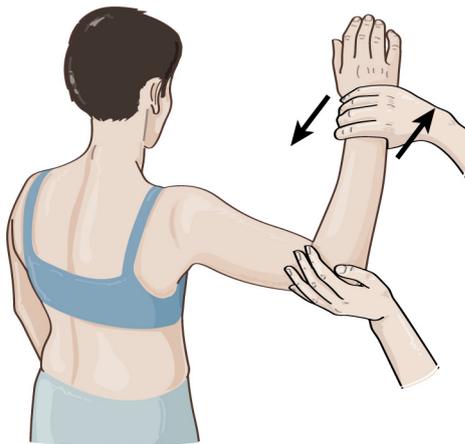
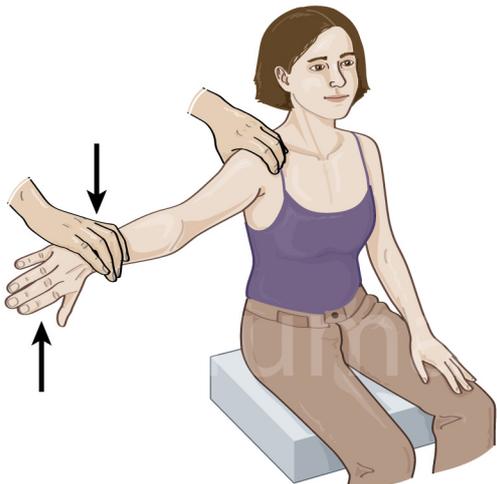
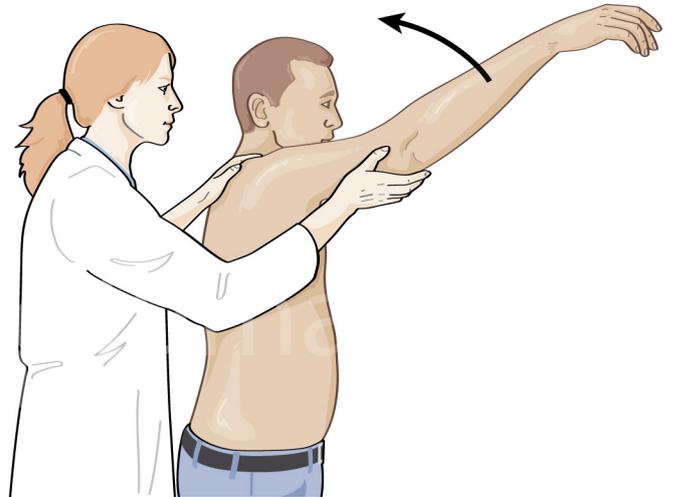
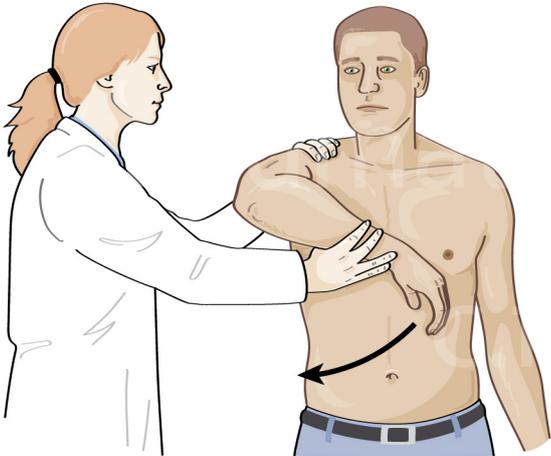
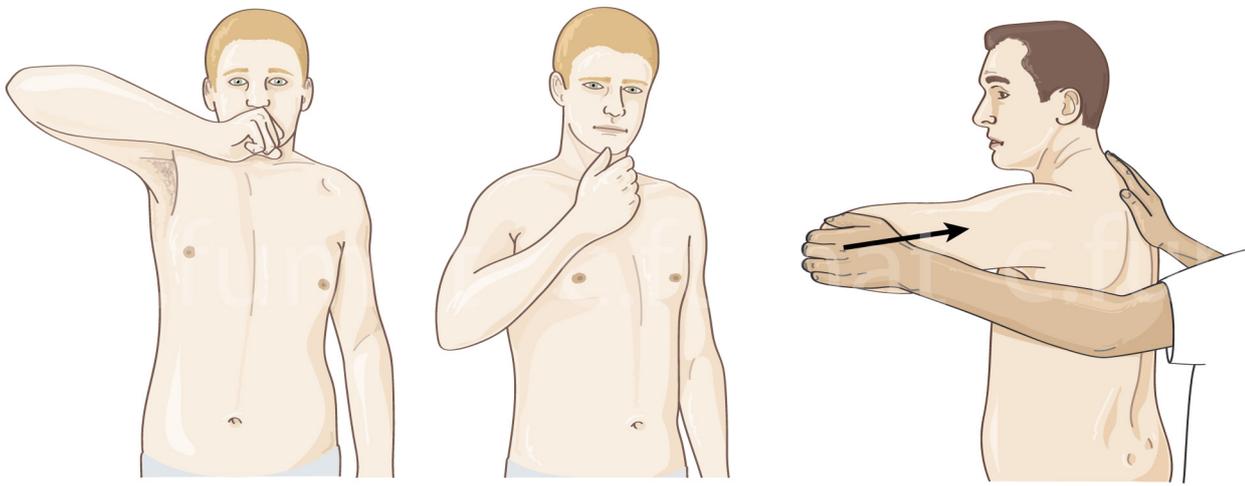


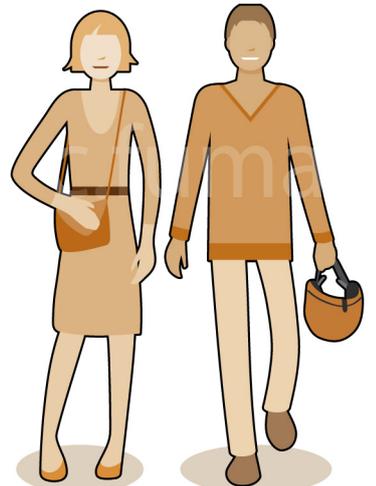
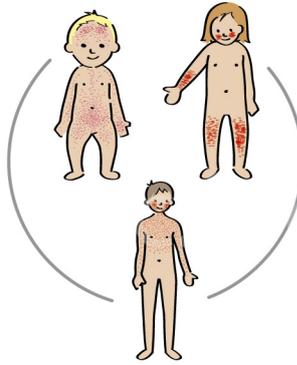
Laboratoire pharmaceutique











Diverses commandes

