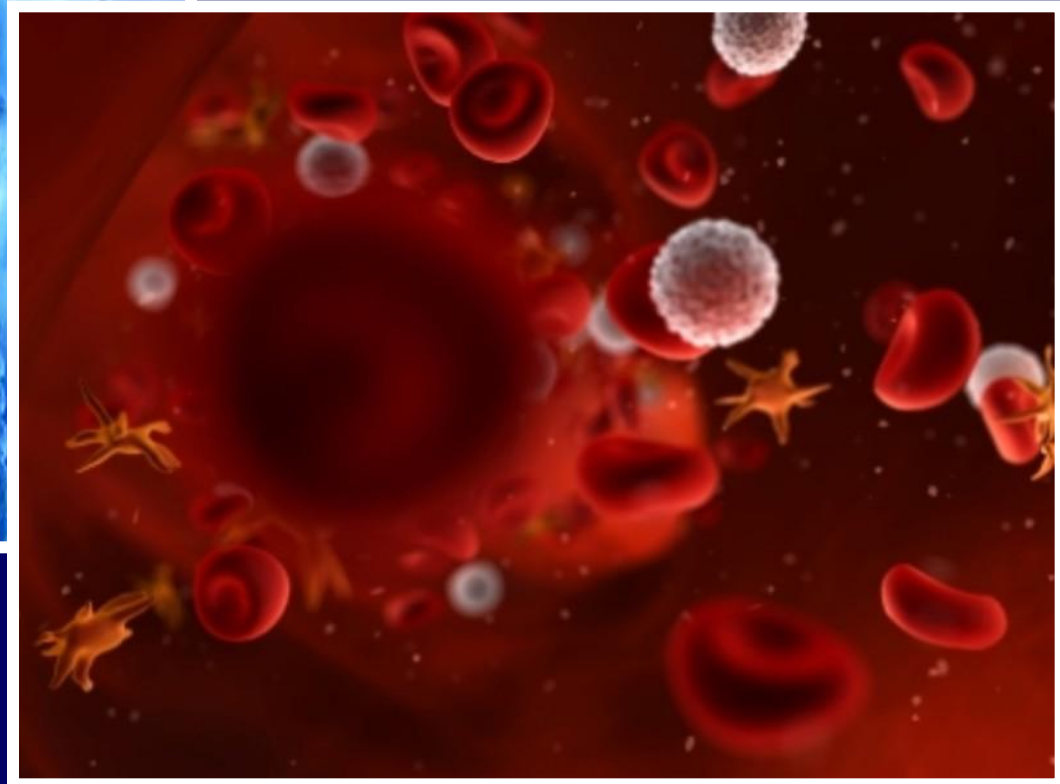
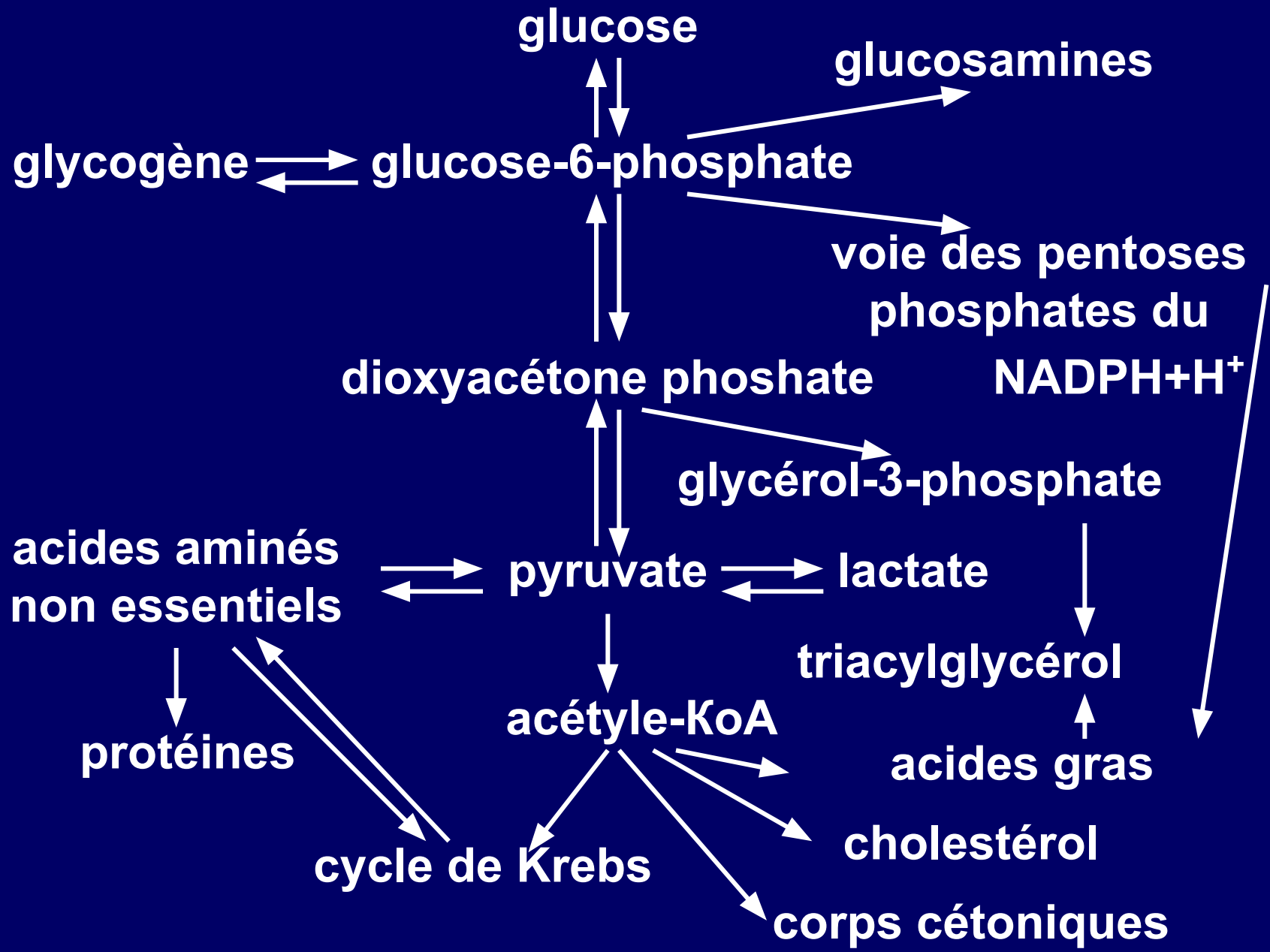
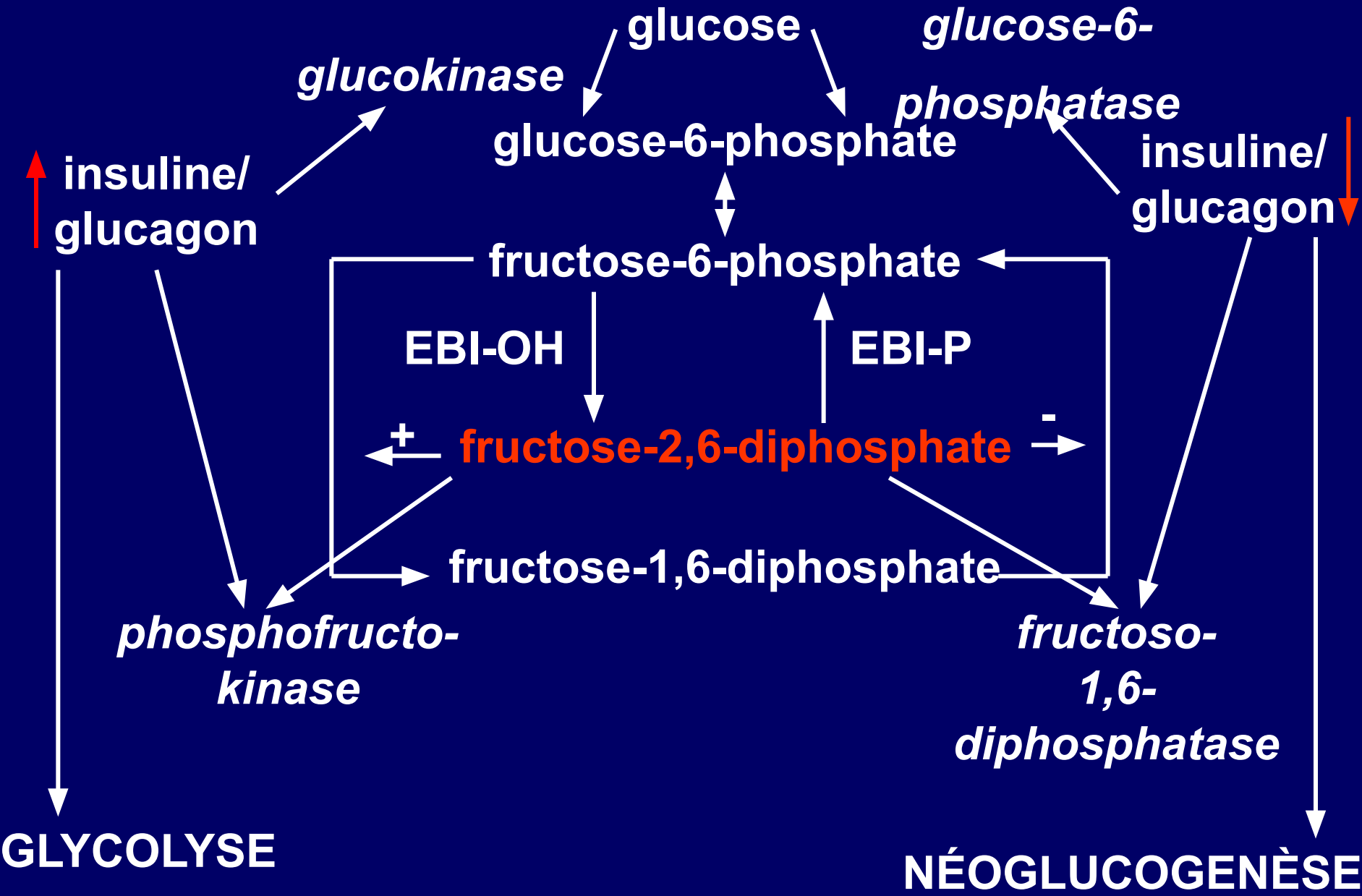


BIOCHIMIE DU FOIE ET DU SANG

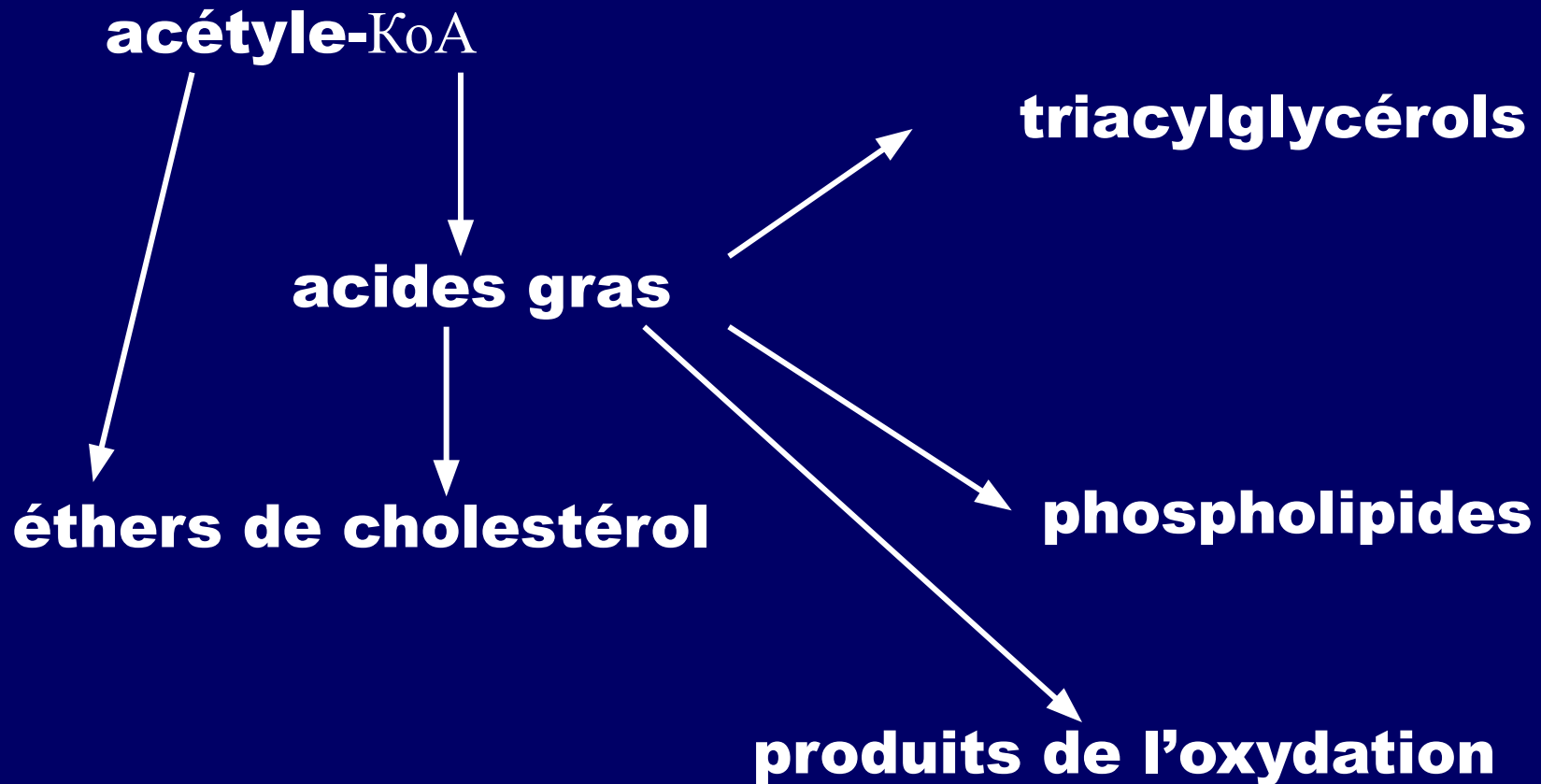


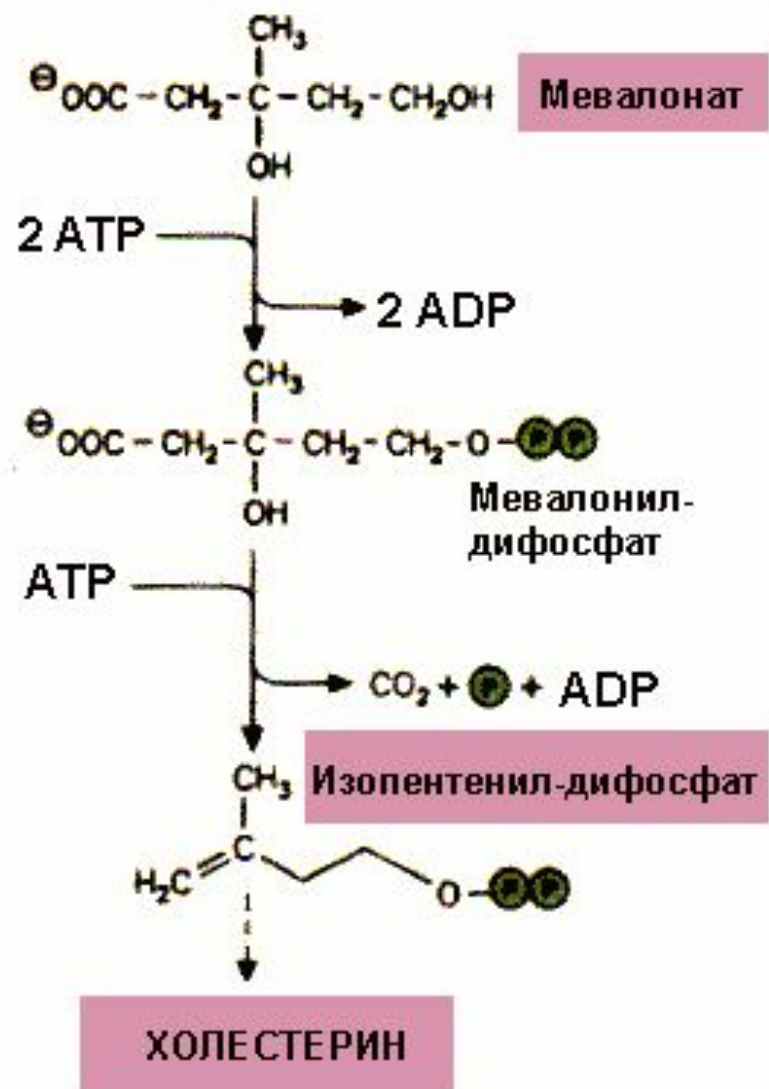
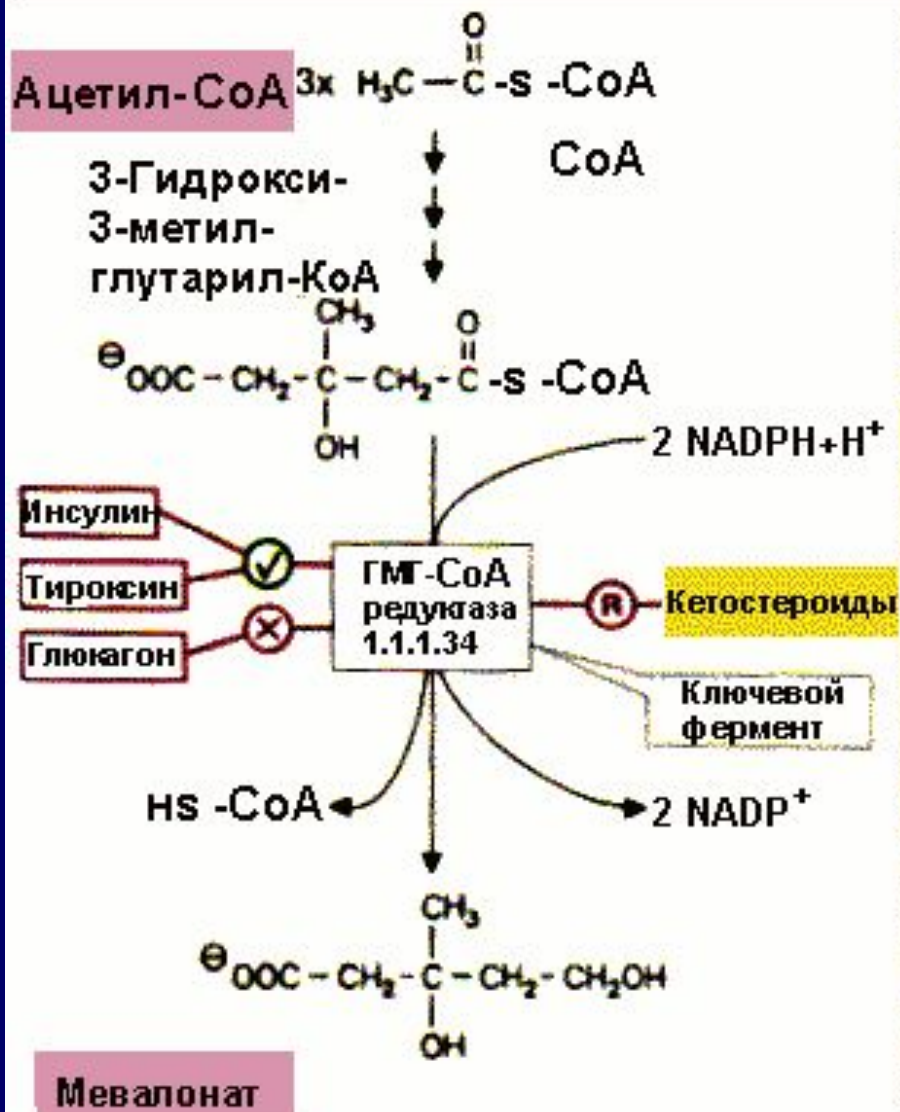
FOIE ET MÉTABOLISME DES GLUCIDES





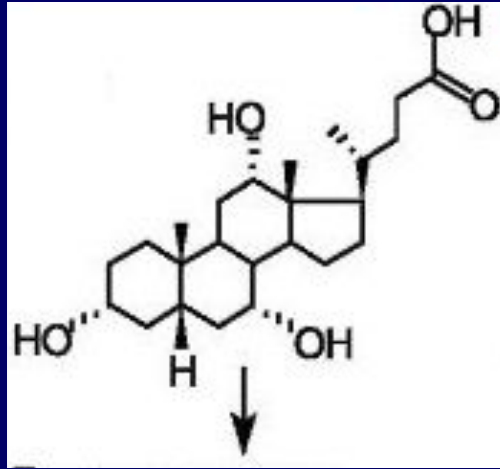
FOIE ET MÉTABOLISME DES LIPIDES





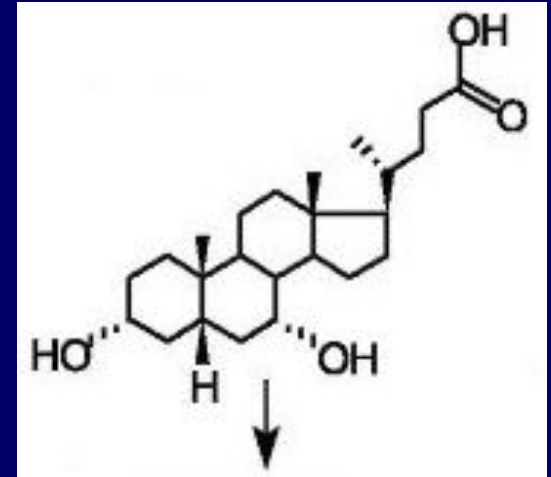
BILIGENÈSE

**acide
cholique**

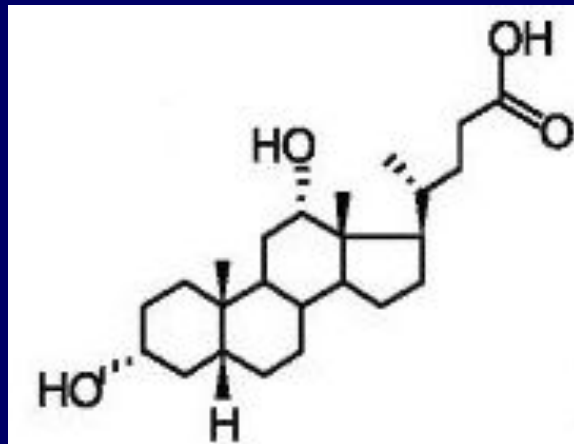


foie

**acide
chénodésoxycholique**

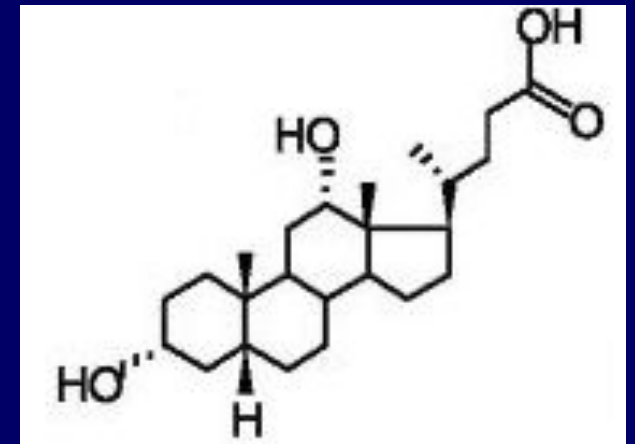


**acide
désoxycholique**

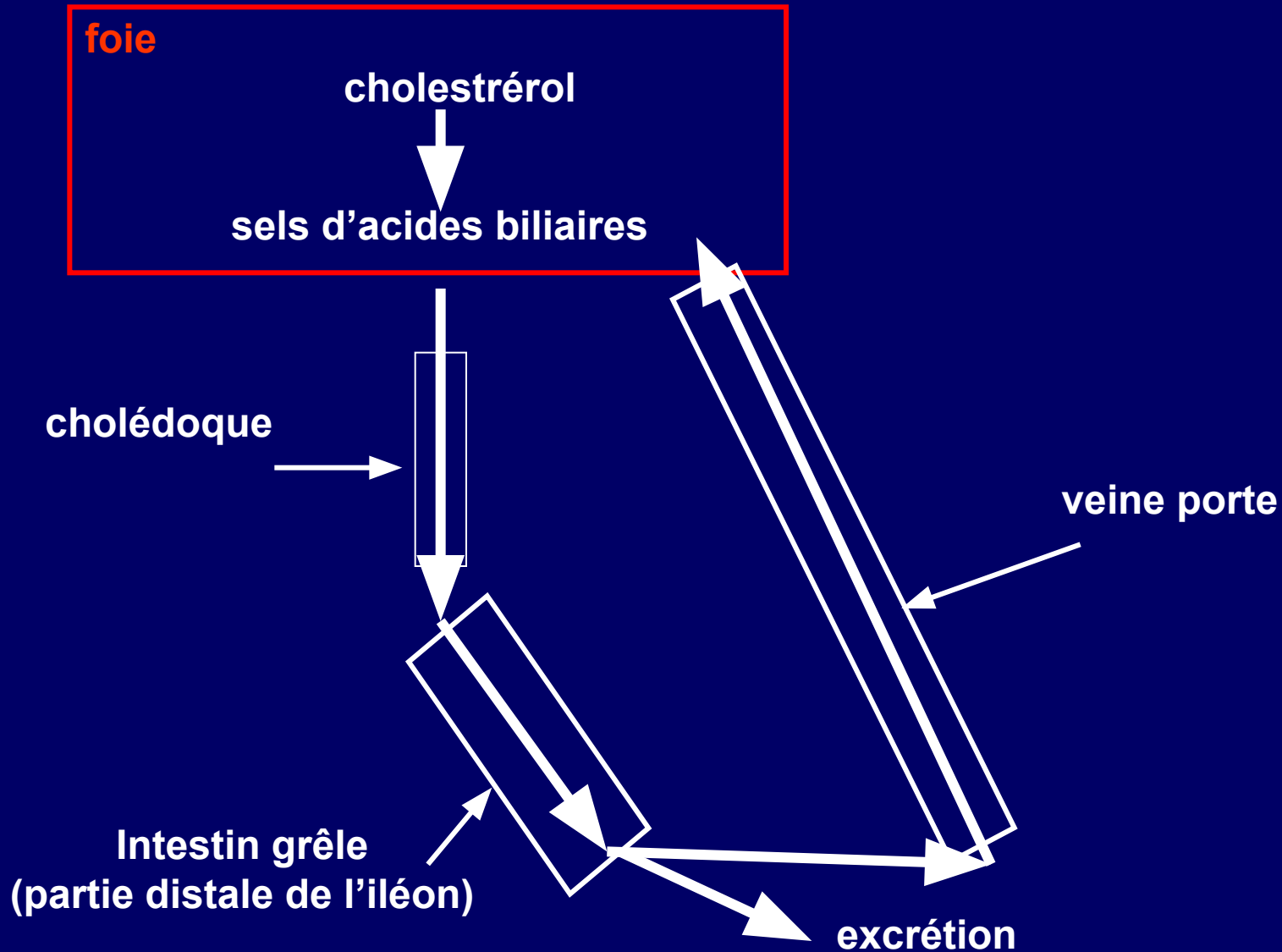


intestin

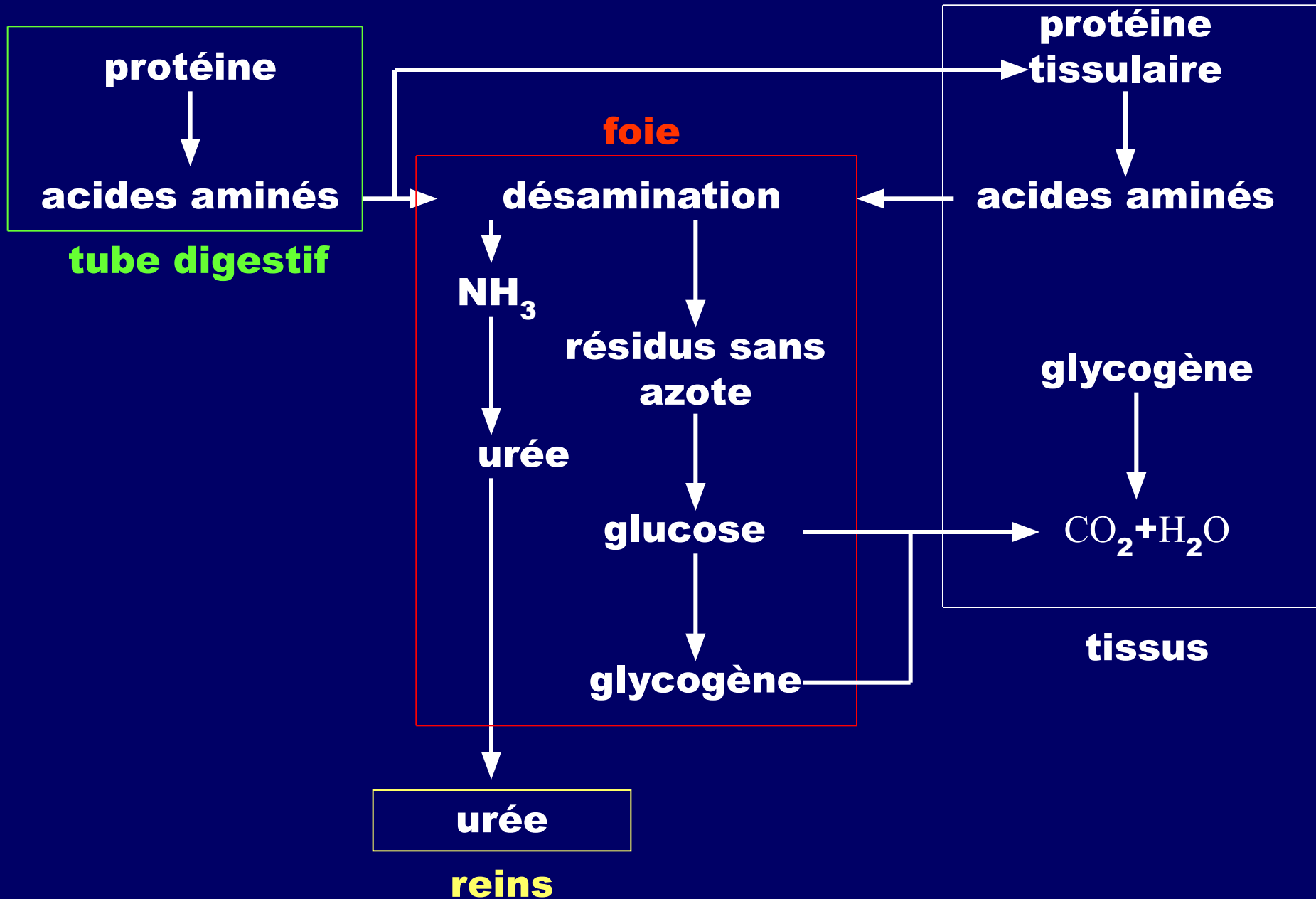
**acide
lithocholique**



CIRCULATION ENTÉROHÉPATIQUE DES SELS D'ACIDES BILIAIRES



FOIE ET MÉTABOLISME DES PROTÉINES



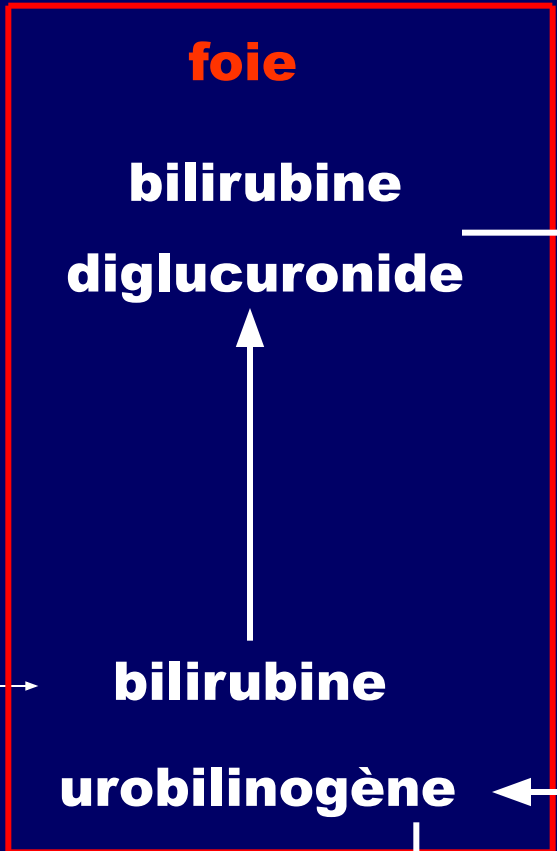
hémoglobine



bilirubine



**bilirubine
+
albumine**

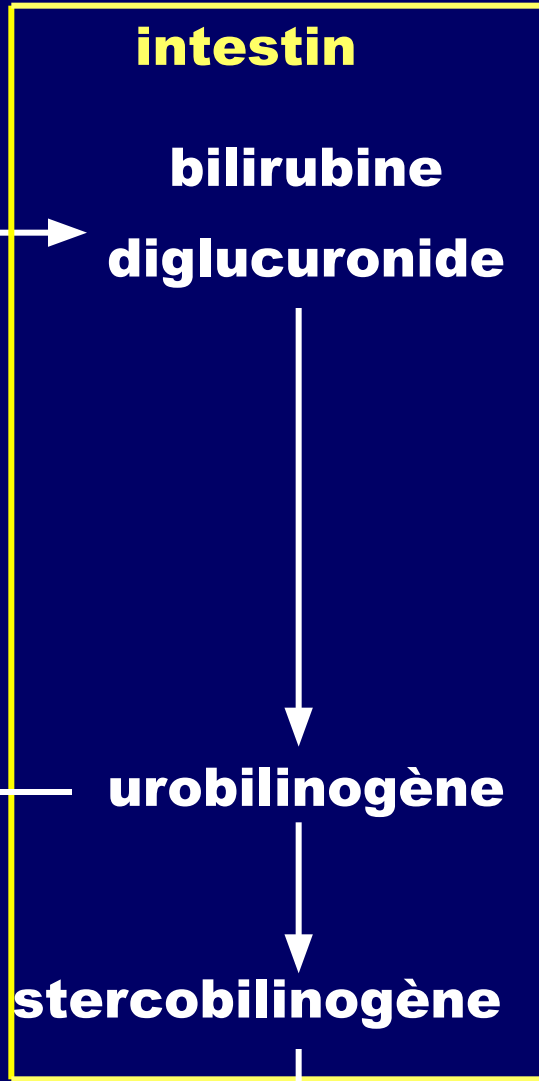


foie

**bilirubine
diglucuronide**

**bilirubine
urobilinogène**

bile



intestin

**bilirubine
diglucuronide**

urobilinogène

stercobilinogène

stercobiline

sang



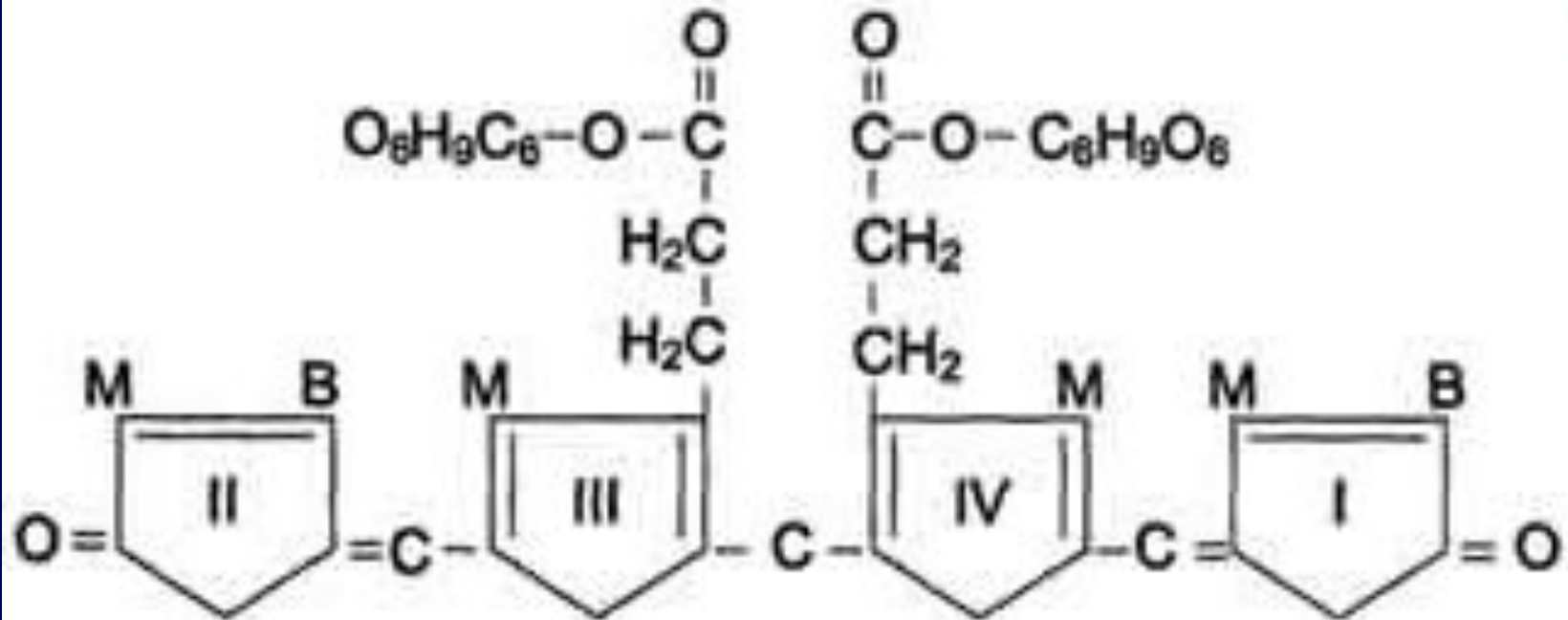
reins



urobiline

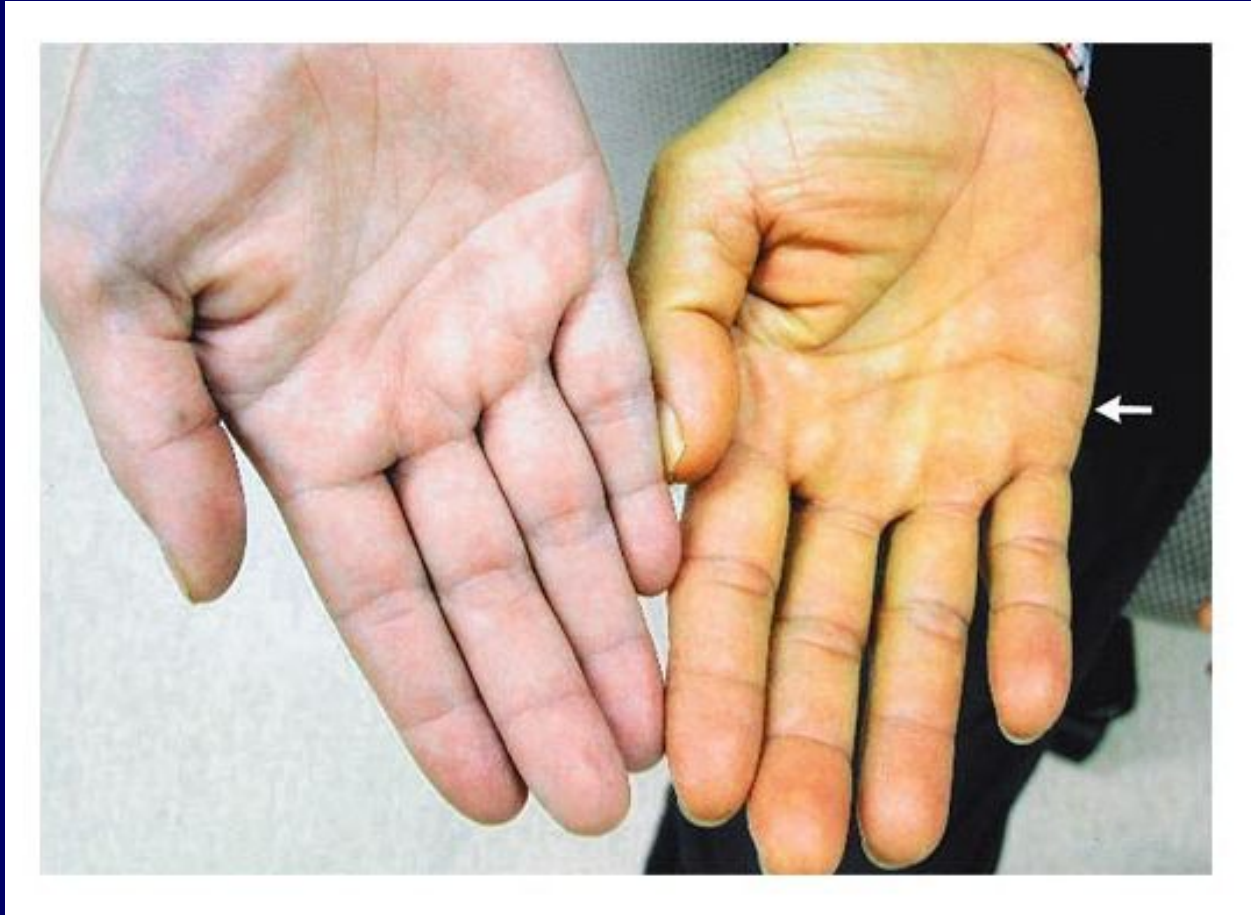
stercobiline





BILIRUBINE CONJUGUÉE (DIRECTE)

TYPES D'ICTÈRES



DIAGNOSTIC DIFFÉRENTIEL

TYPE D'ICTÈRE	SANG			URINE		SELLES
	BILIRUBINE			BILIRUBINE DIRECTE	UROBILINOGENE	STERCIBILINOGENE
	TOTALE	INDIRECTE	DIRECTE			
HÉMOLYTIQUE	↑	↑	N ou ↑	0	+	↑
CYTOLYTIQUE	↑	N ou ↑	↑	↑	0	0
CHOLOSTATIQUE	↑	↑	↑	↑	+	↓

N – NORME;  **– AUGMENTATION;**  **– DIMINUTION;**
0 – IMPOSSIBLE DE TROUVER; **+ – POSSIBLE DE TROUVER**

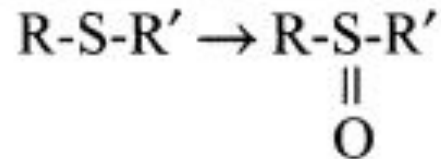
FONCTION DE DÉTOXIFICATION DU FOIE

I PHASE

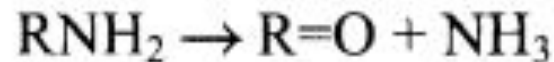
hydroxylation



sulfoxydation



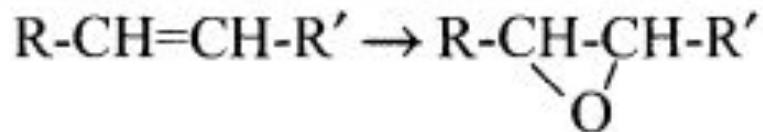
**désamination
oxydative**

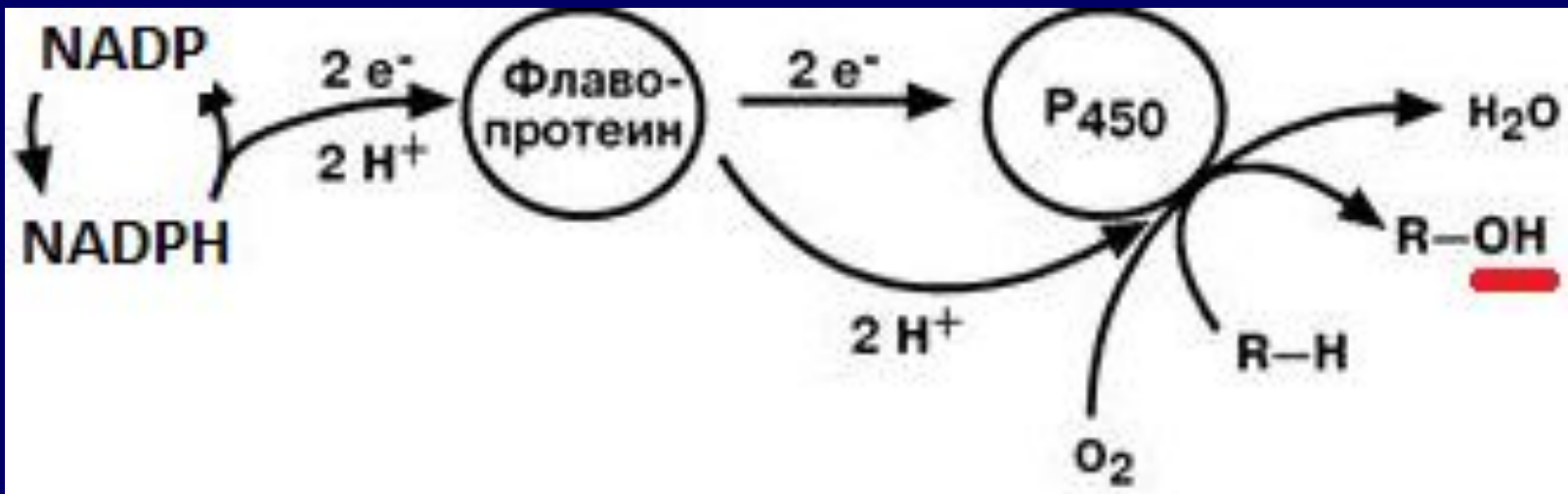


**désalkylation
de N, O, S**

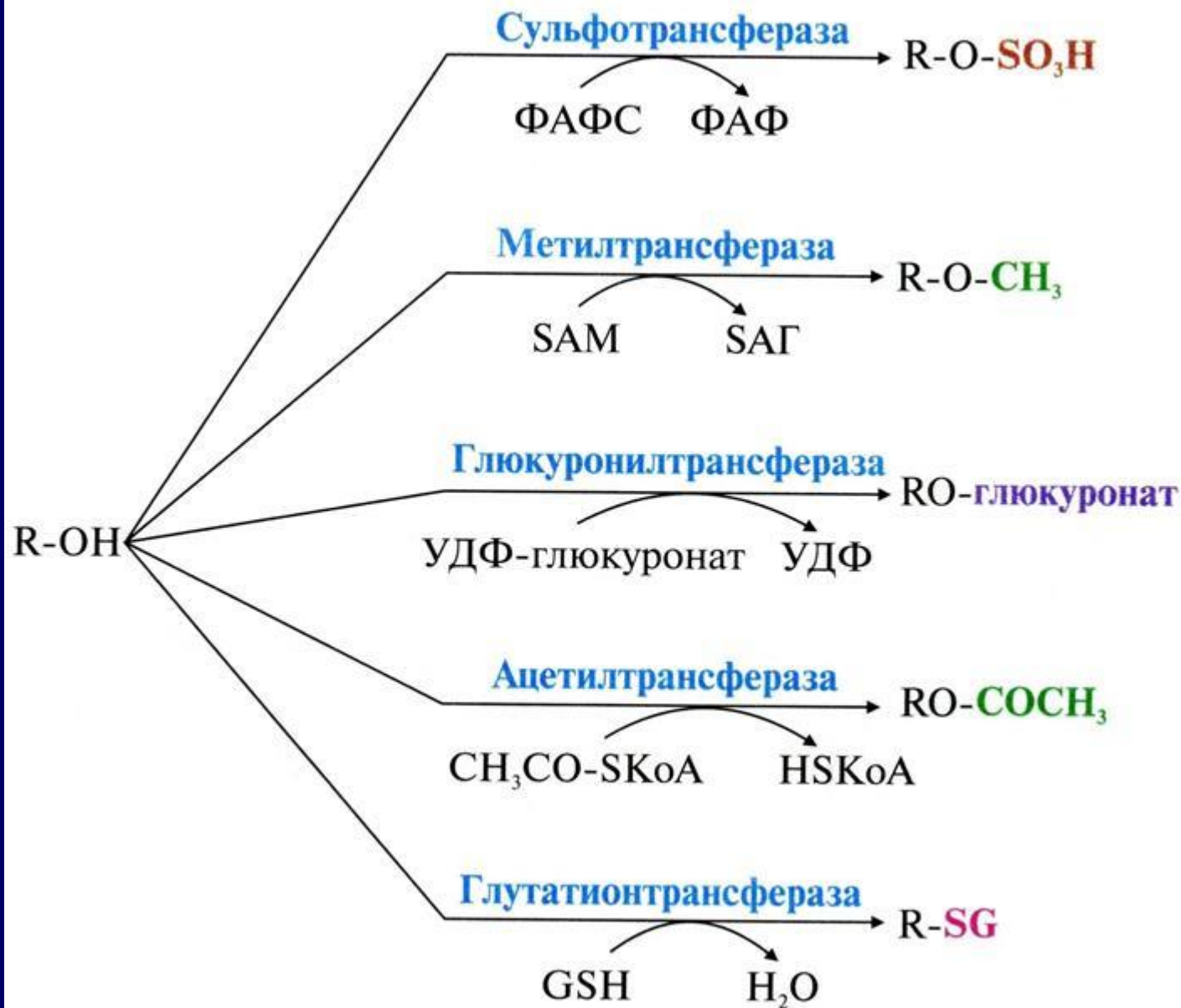


époxydation

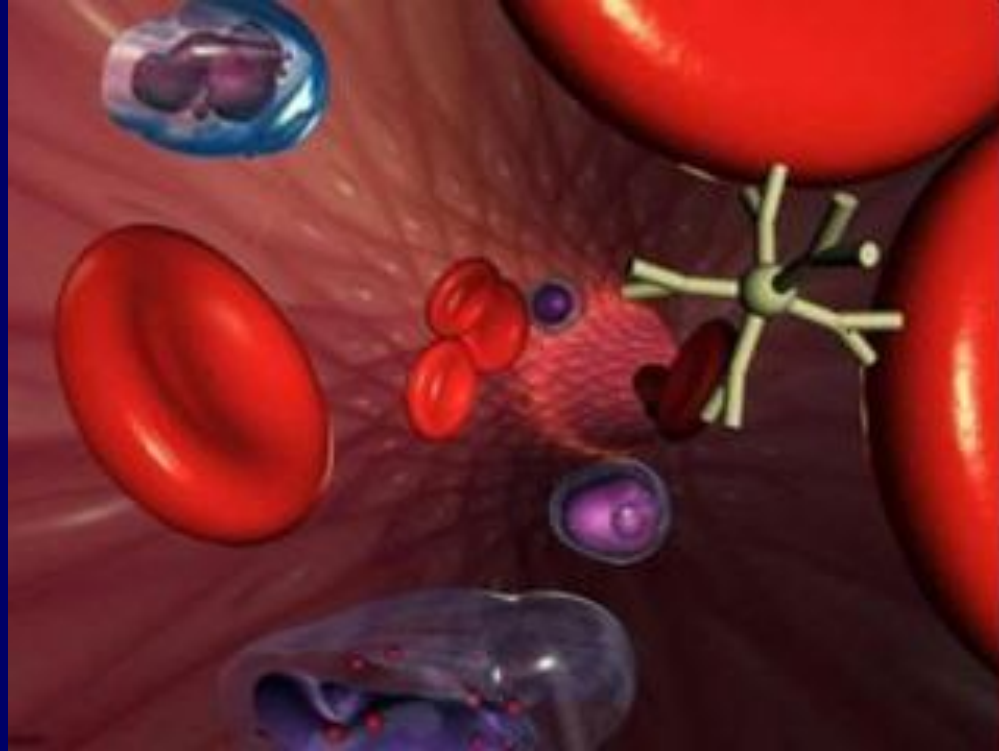


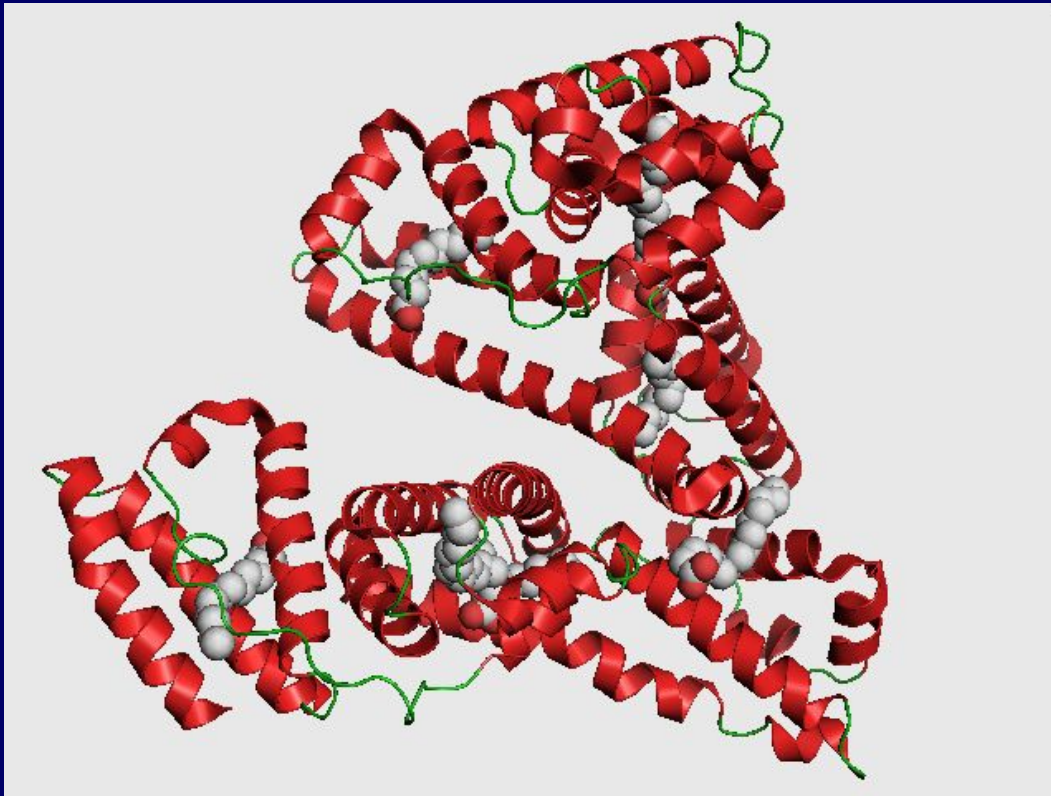


II PHASE (CONJUGAISON)

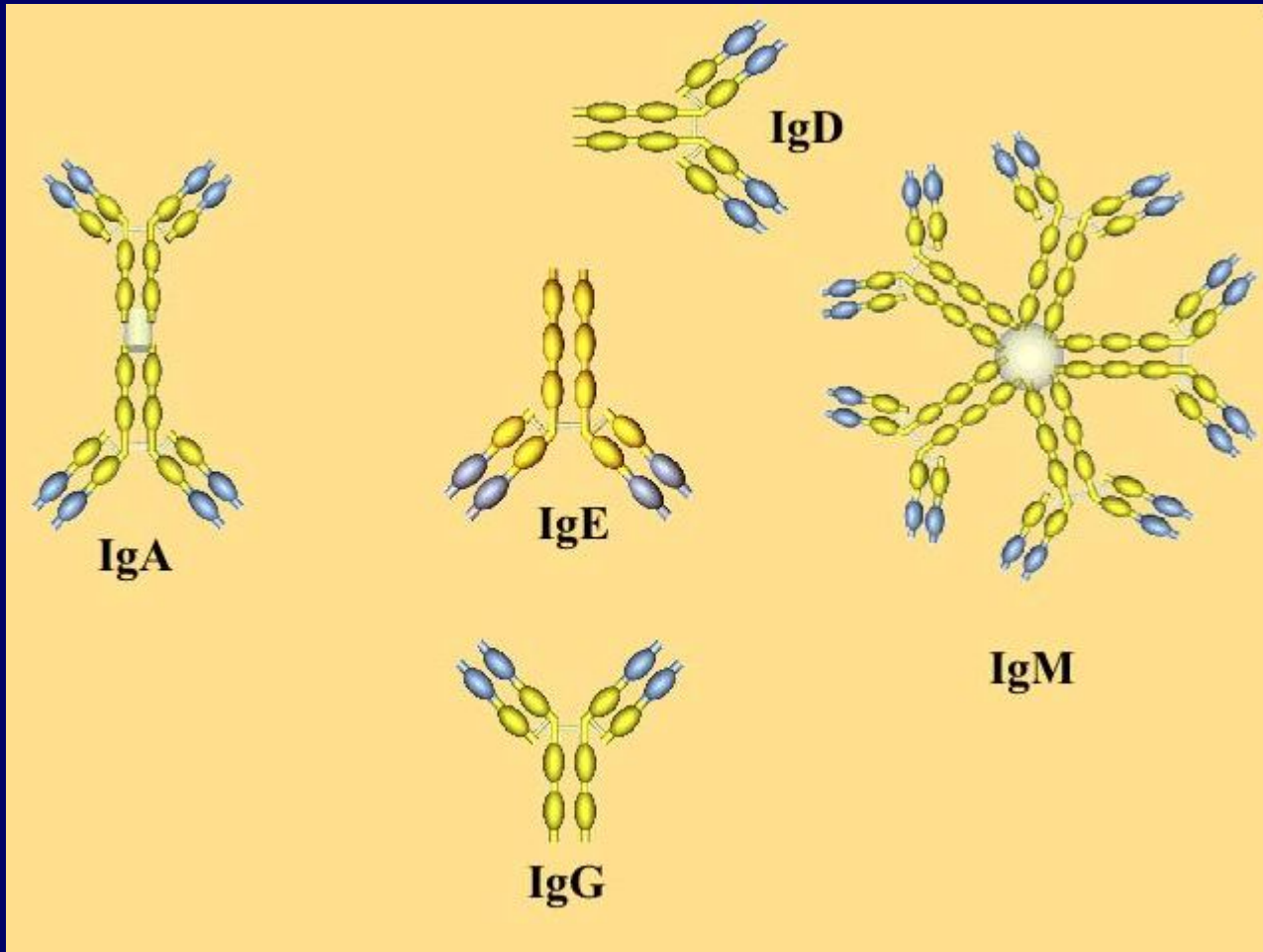


BIOCHIMIE DU SANG

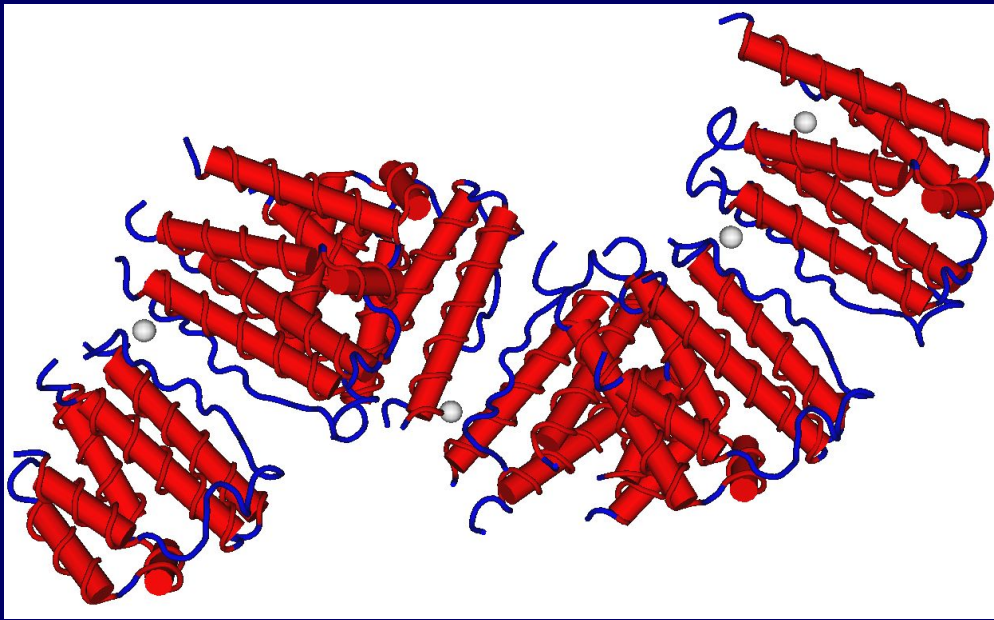




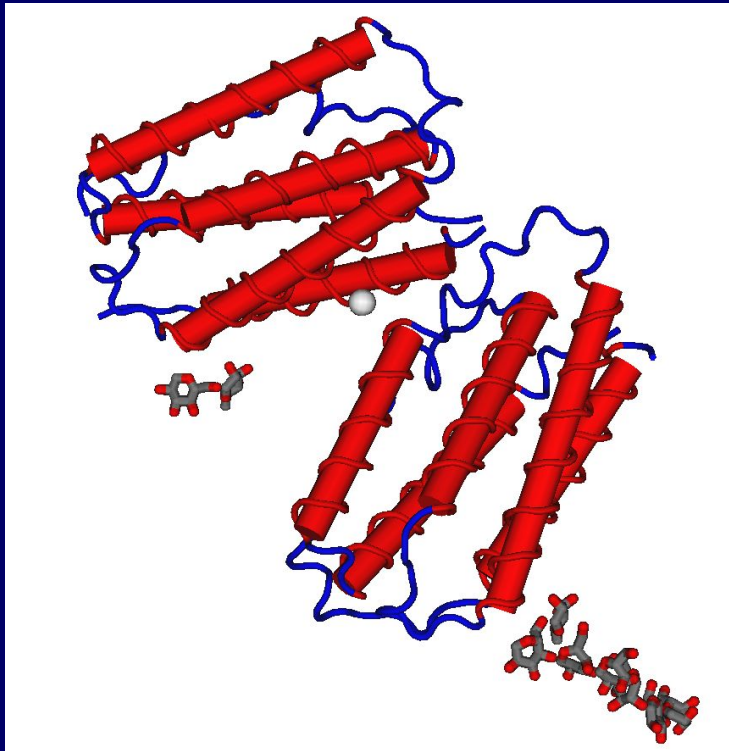
ALBUMINE



IMMUNOGLOBULINES

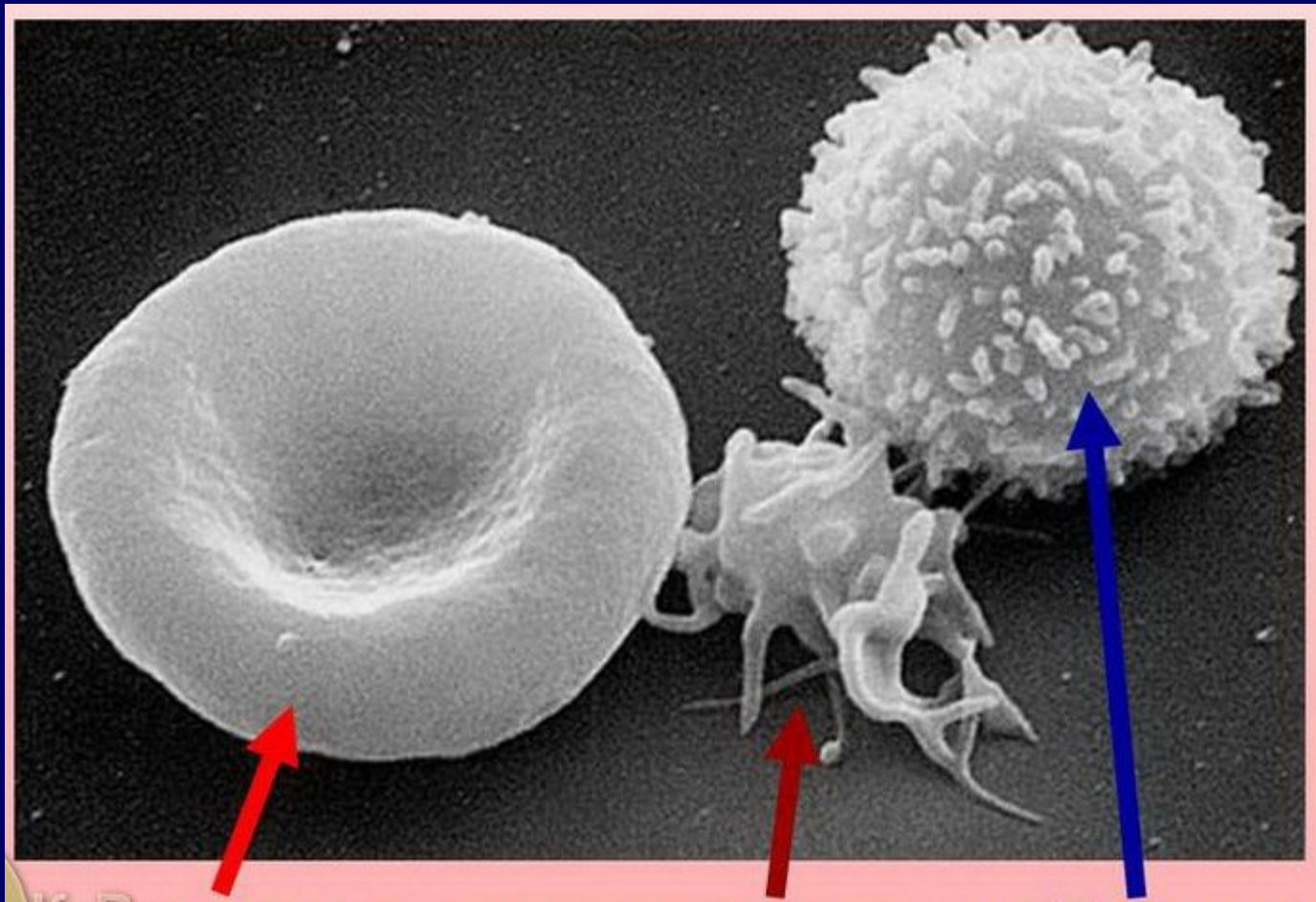


INTERFÉRON α



INTERFÉRON β

CELLULES SANGUINES



ÉRYTHROCYTE

THROMBOCYTE

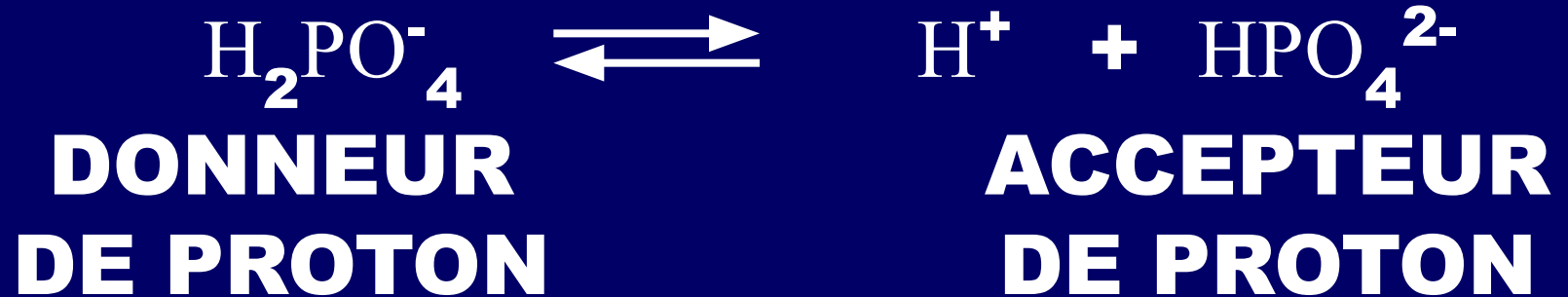
LEUCOCYTE

SYSTÈMES TAMPONS DU SANG

- BICARBONATE:

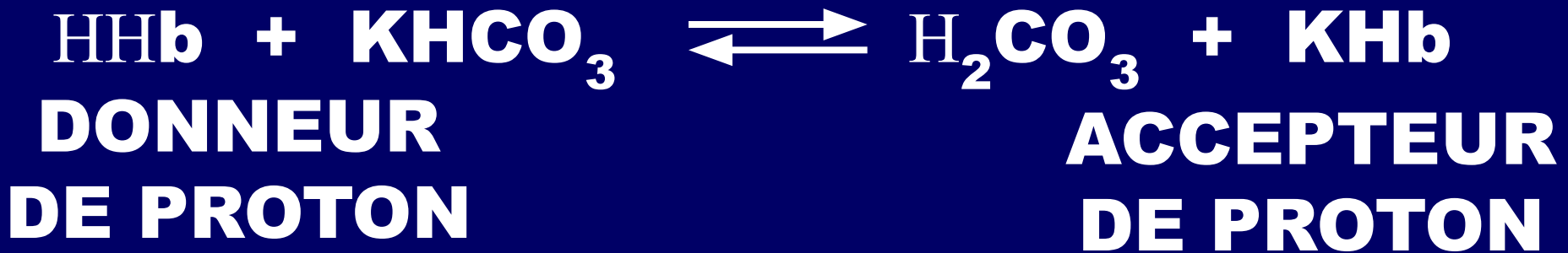


- PHOSPHATE:

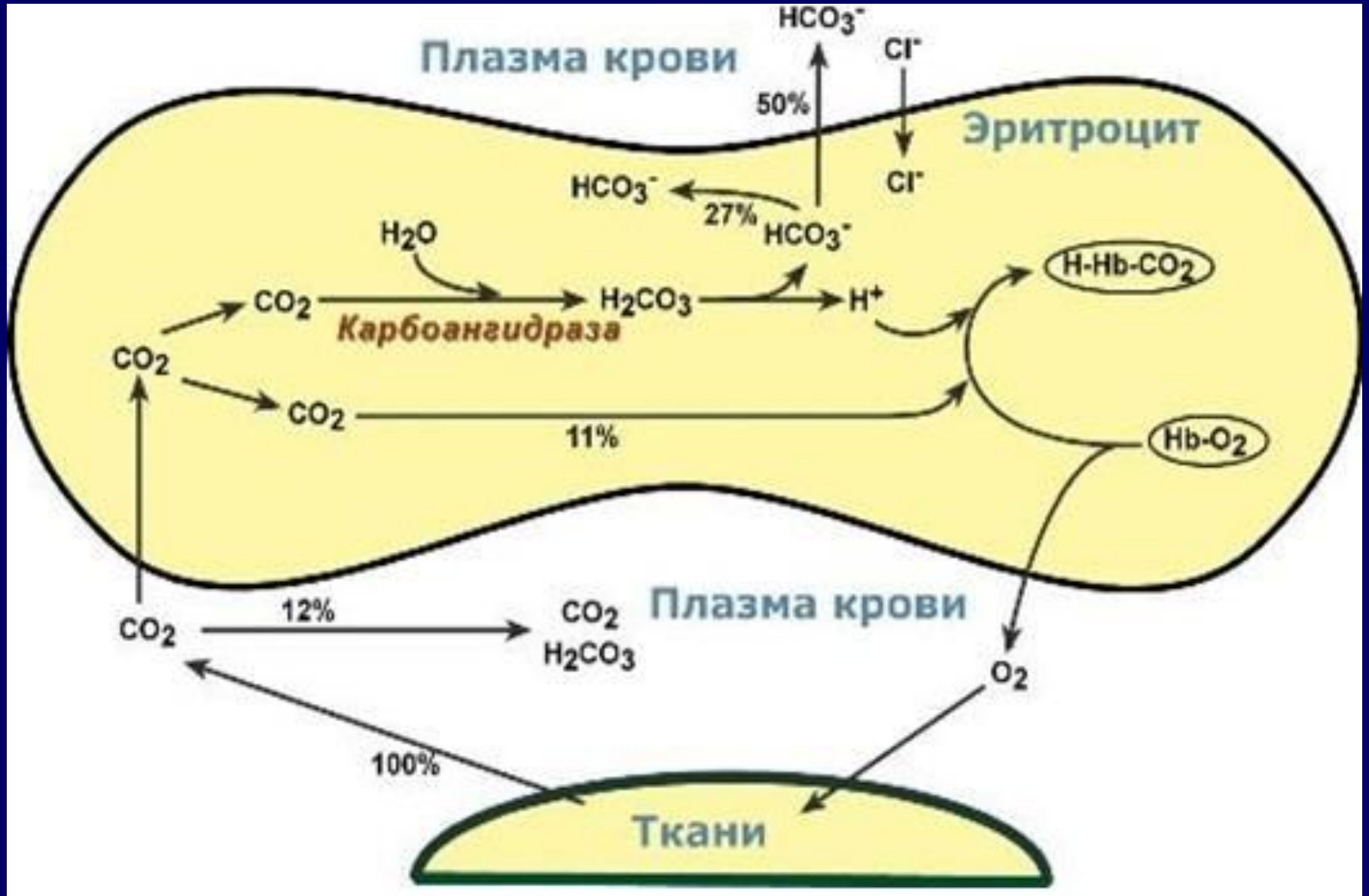


- PROTÉIQUE;

- HÉMOGLOBINE:



FONCTION RESPIRATOIRE DU SANG

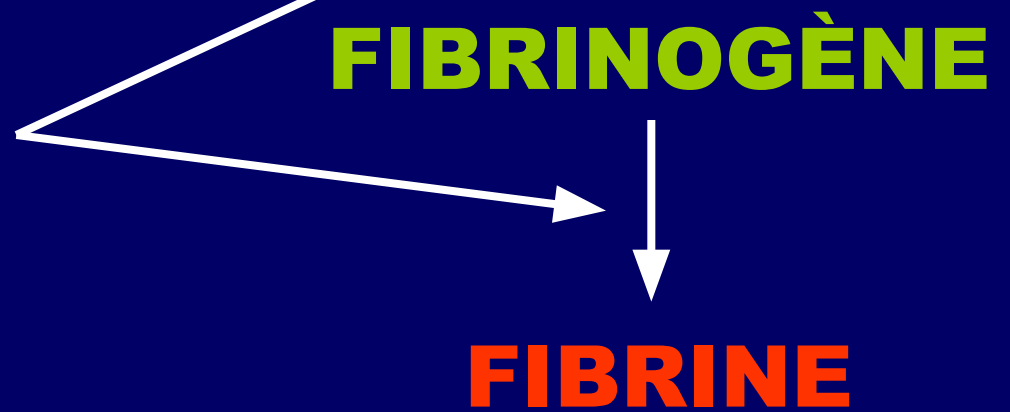


THÉORIE DE SCHMIDT-MORAWITZ

I
PHAS
E



II
PHAS
E



**systeme interne
(perte du sang)**



**contact avec la surface
thrombocyte/collagène**

+

prekallikréine+ kininogène

XII (Hageman)

XII a

surface du thrombocyte

XI (Rosenthal)

XI a

IX (facteur Christmas)

IX a

IV (Ca²⁺)

**systeme externe
(affection du tissu)**



III (thromboplastine)



III a

v

(proaccélérine)

v a

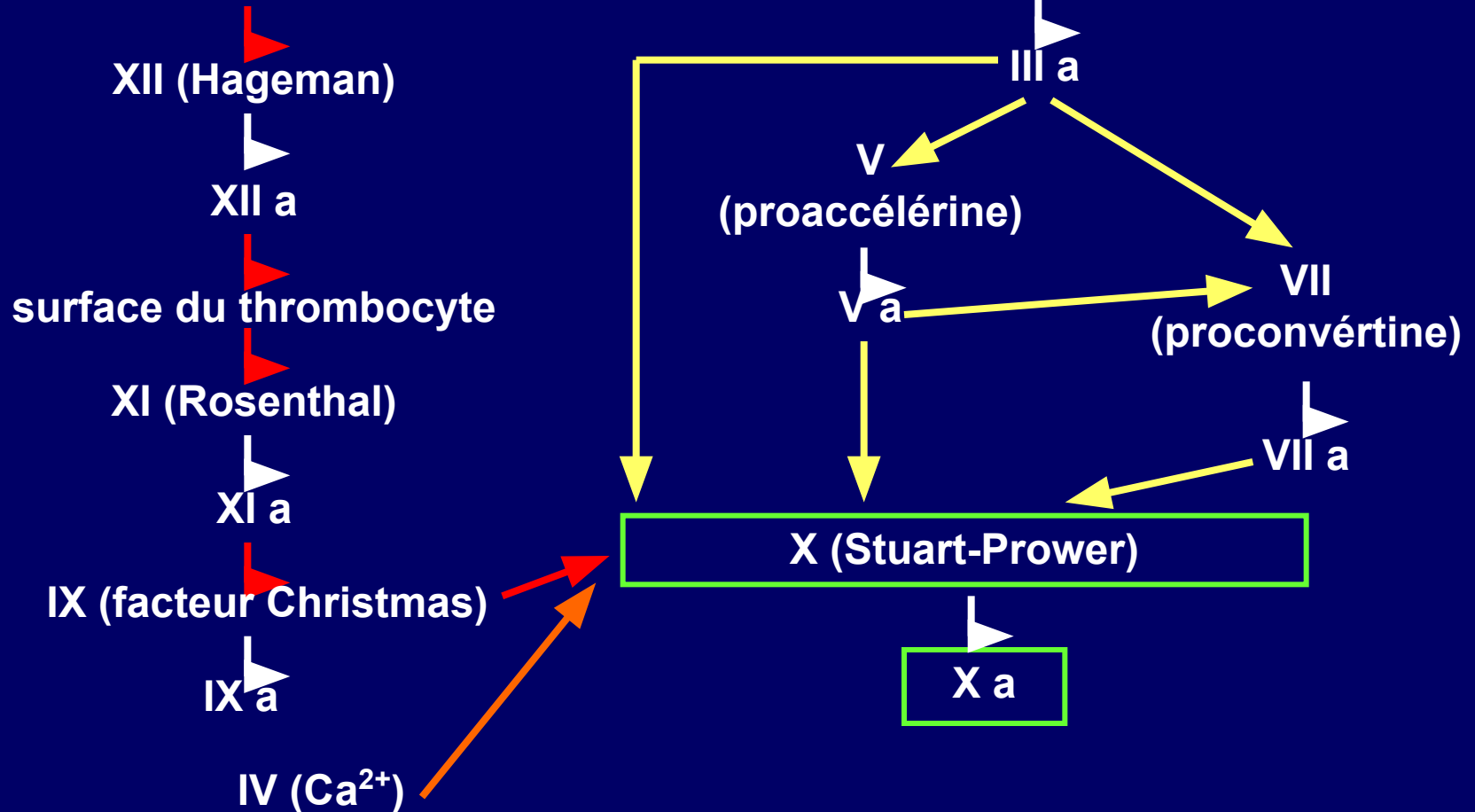
VII

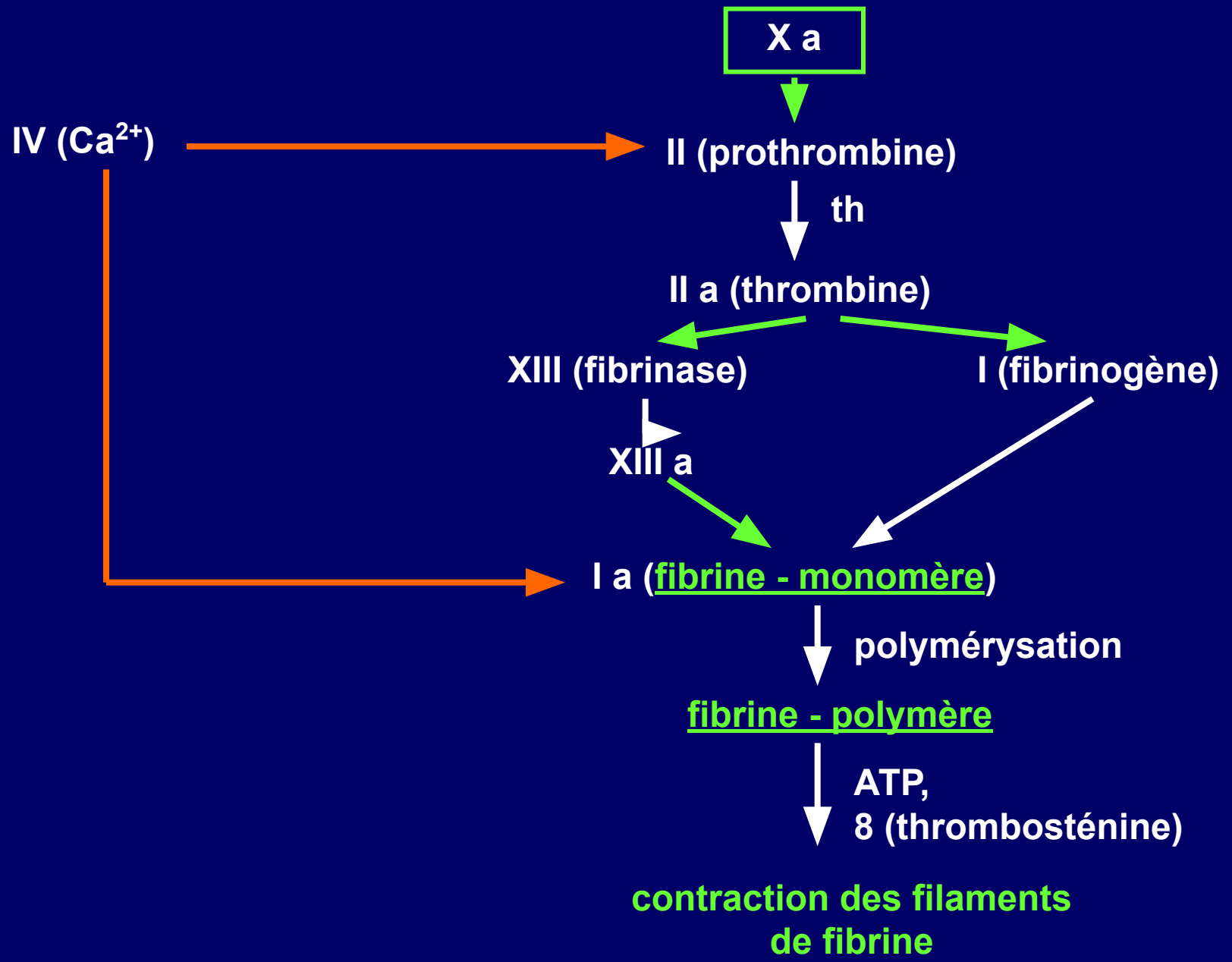
(proconvértine)

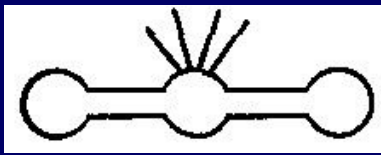
VII a

X (Stuart-Prower)

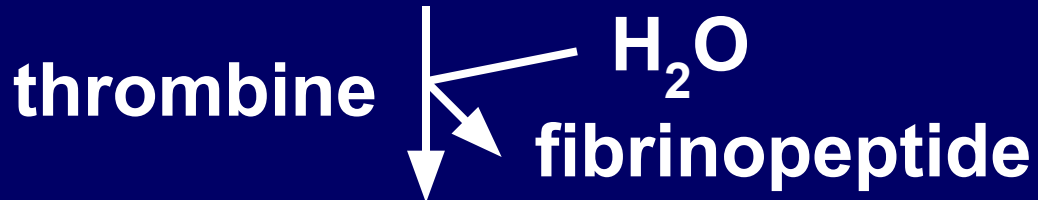
X a



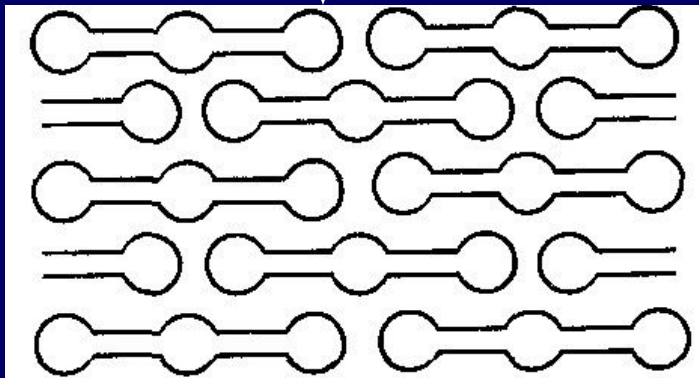




fibrinogène



monomère de fibrine



gel de fibrine

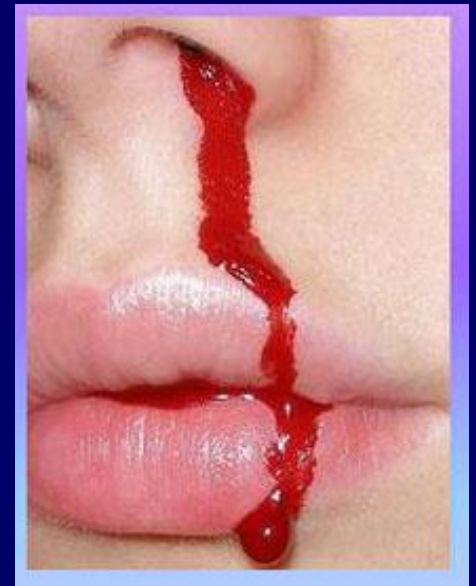
FORMATION DE THROMBUS FIBRINEUX

Hémophilie est une maladie héréditaire caractérisée par des hémorragies récurrentes et difficiles à arrêter à cause du manque de facteurs de coagulation:

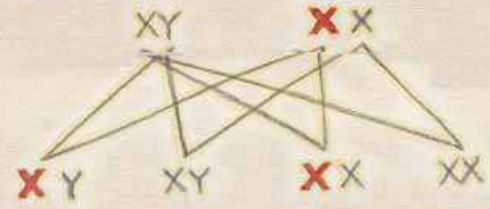
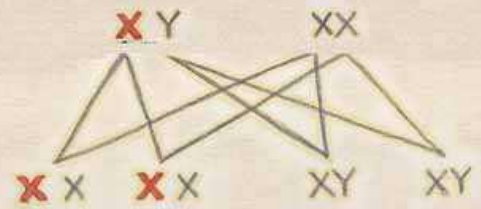
hémophilie A – facteur VIII;

hémophilie B – facteur IX;

hémophilie C – facteur XI.



отец болен мать здорова отец здоров мать носитель



дочь носитель (100%)

сын здоров (100%)

сын болен (50%)

дочь носитель (50%)



SYSTÈME ANTICOAGULANT:

- MÉCANISME

«ANTITHROMBINE/ HÉPARINE»;

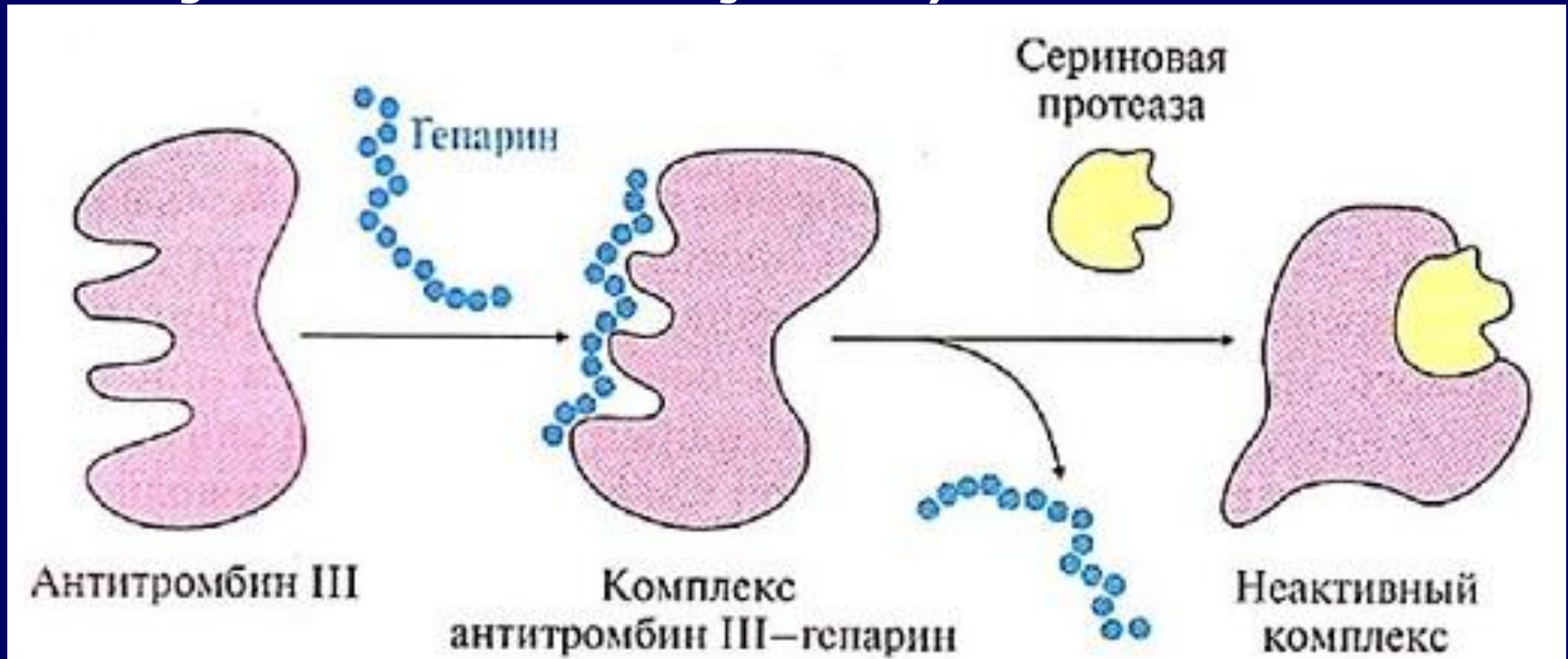
- FIBRINOLYSE;

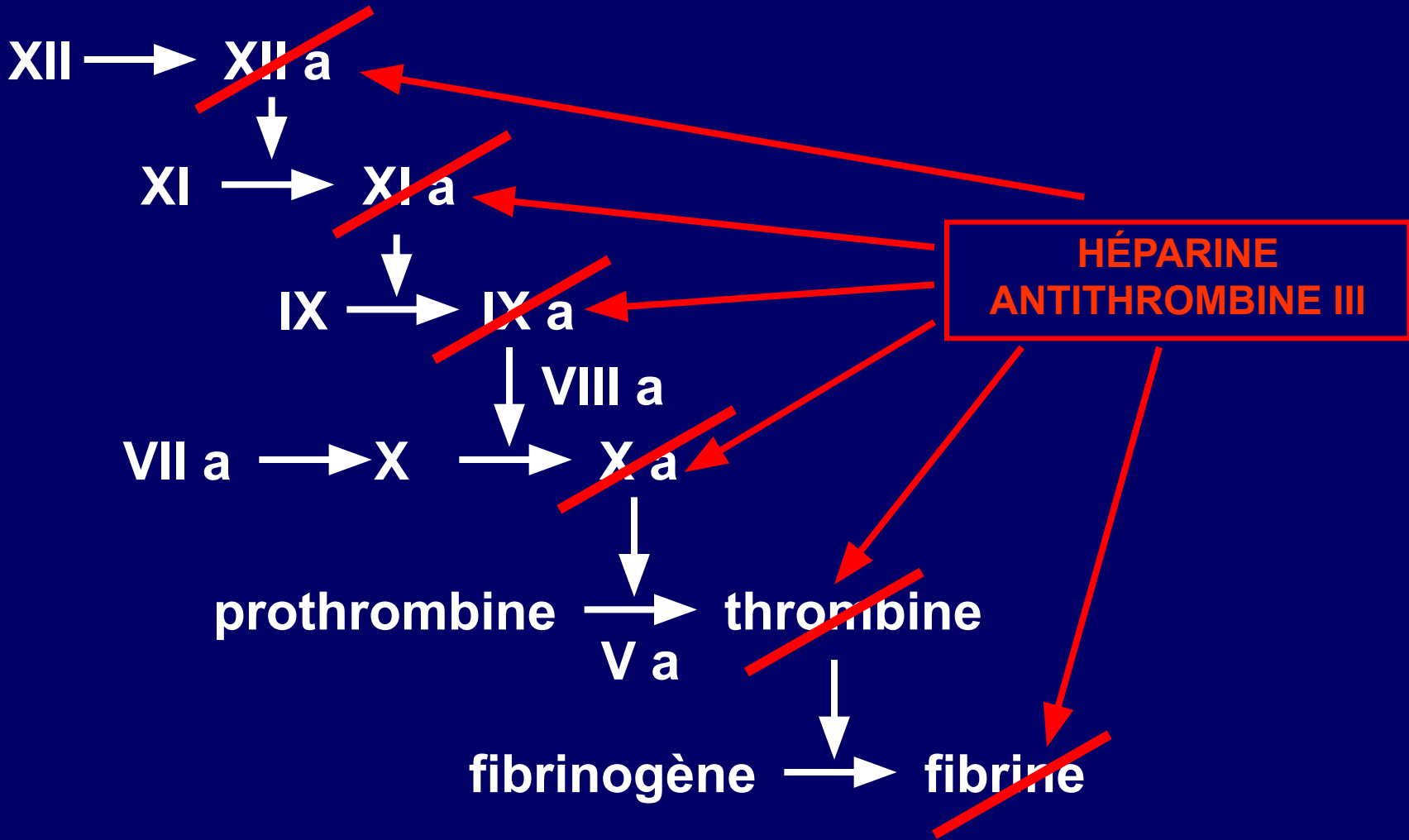
- VOIE ANTICOAGULANTE

МЭКАНИЗМЕ «ANTITHROMBINE/ HЭПАРИНЕ»

ATITHROMBINE III :

- протэине ду plasma sanguin, qui inactive les протэазес де сэринэ: thrombine, IX a, Xa, XII a, plasmine, kallicréine;
- activateur де l'antithrombine – héparine (mastocytes ду tissu conjonctif).



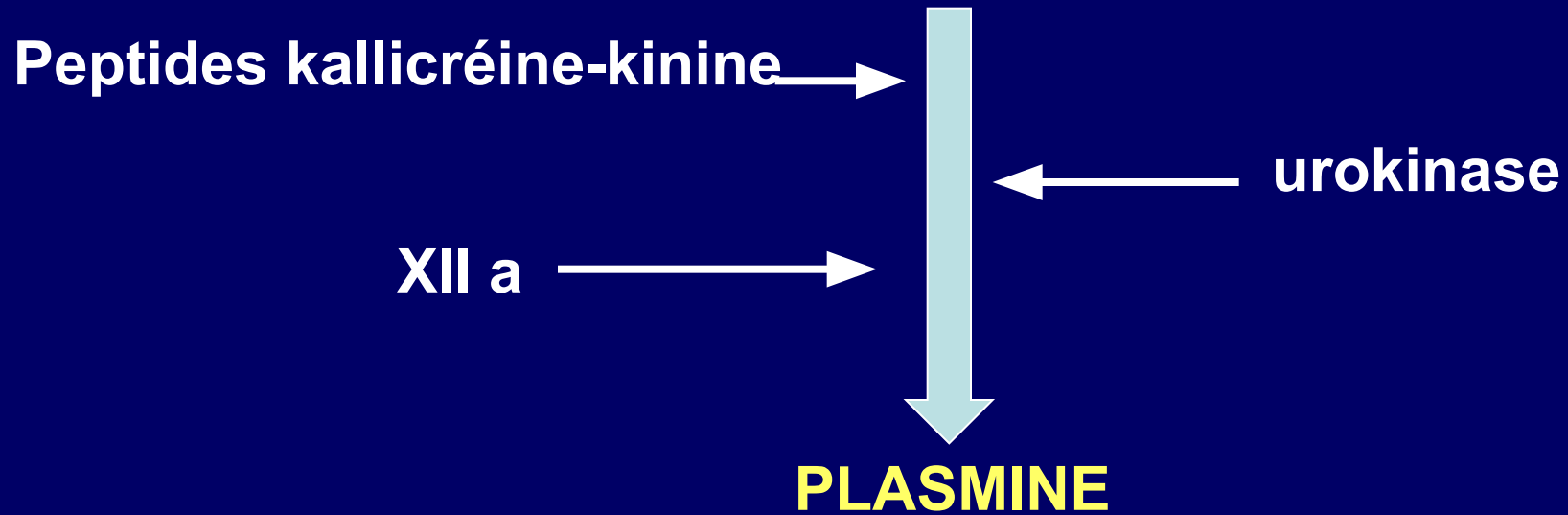


FIBRINOLYSE

VOIE INTERNE

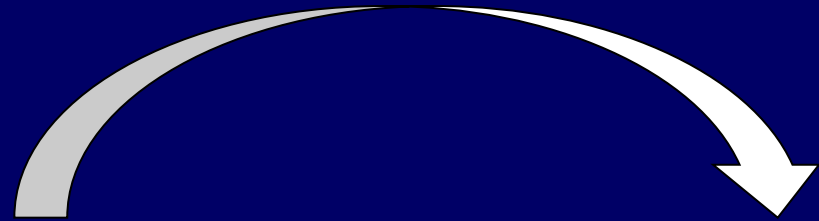
VOIE EXTERNE

PLASMINOGÈNE



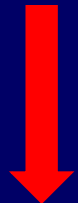
fibrine

peptides



VOIE ANTICOAGULANTE

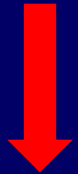
THROMBINE + THROMBOMODULINE



PROTÉINE C



PROTÉINE ACTIVÉE C



~~VIII a~~



~~V a~~