

# [blodkarrene]

Arterier

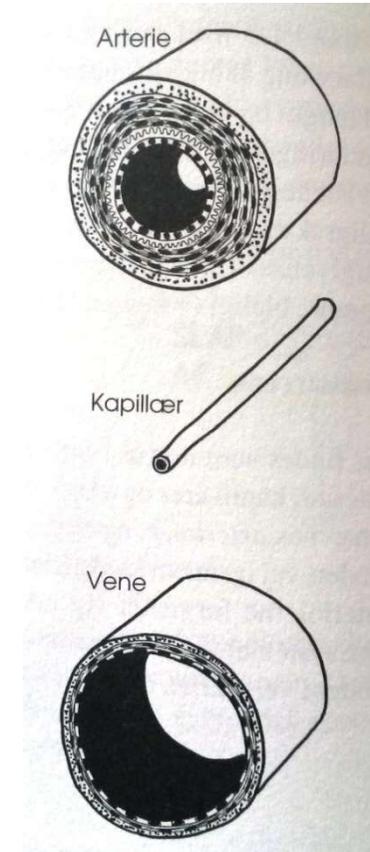
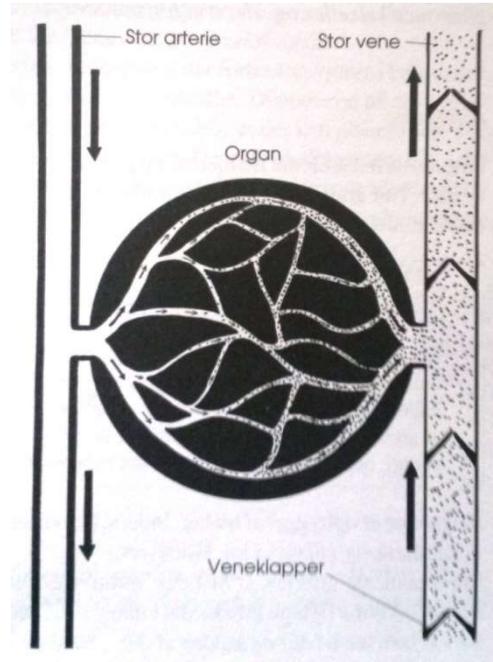
Arterioler

Kapillærer

Venoler

Vener

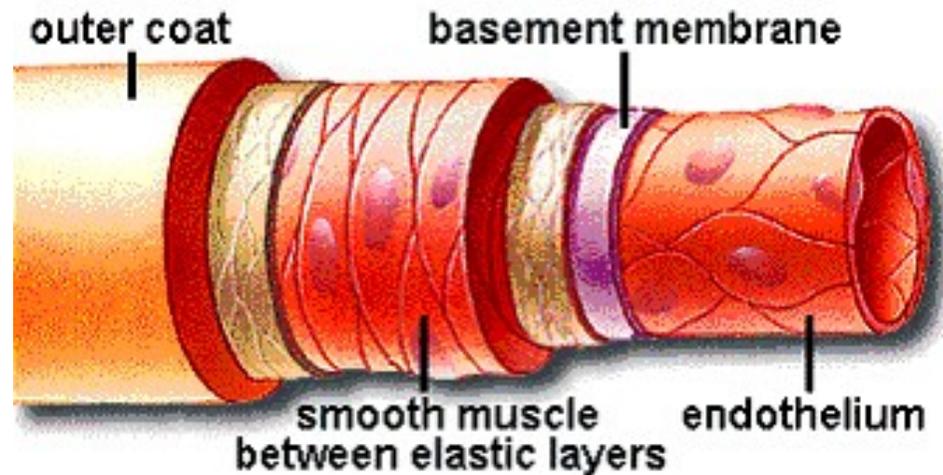
Arteriovenøse anastomoser (shunt-kar)



# [arterier]

## Opbygning:

- Endothel
- Basalmembran
- Elastisk væv
- Glat muskulatur
- Elastisk væv
- Fibrøst væv



# [arterier og arterioler]

## Arterier:

Elastiske arterier

Optager pulsstød i karvæggen

## Arterioler:

Muskuløse arteroer

Regulering af perifær modstand

# [kapillærer]

Opbygning:

- Endothel
- Basalmembran

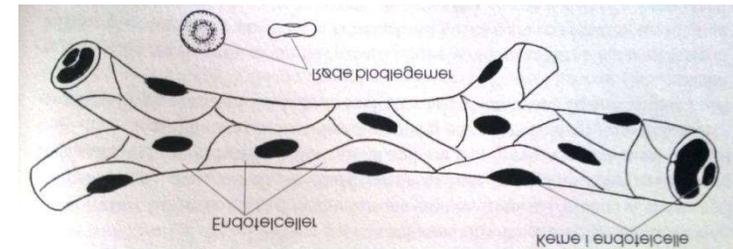
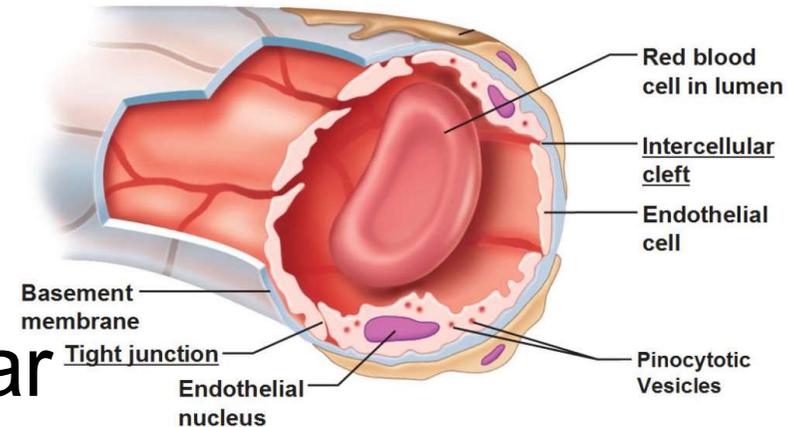
Kaldes også udvekslingskar

Diameter  $7\mu$

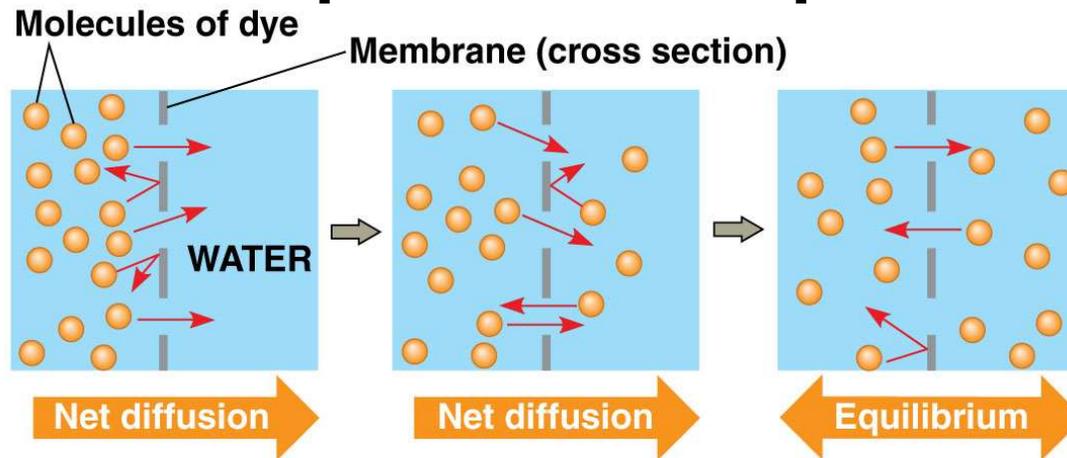
Diffusion

Det parakapillære kredsløb

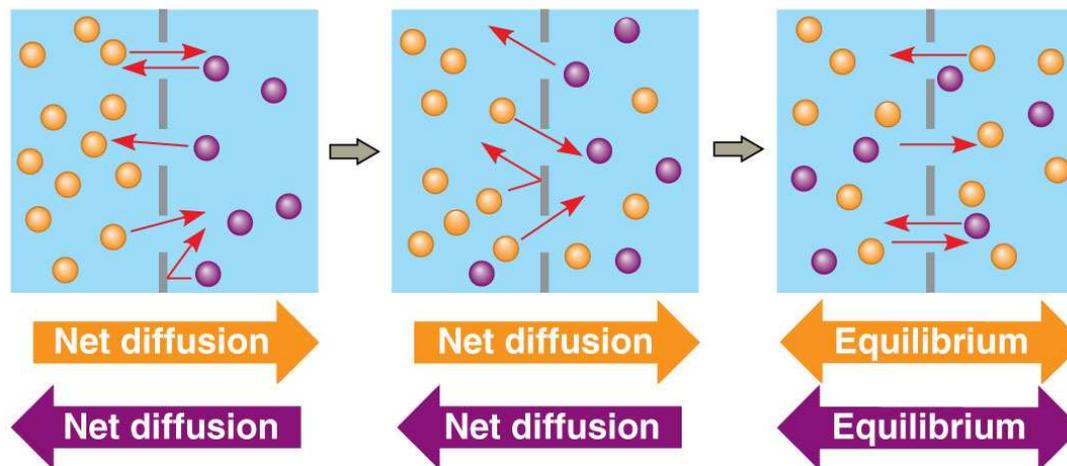
Passage mellem endothelet via endo- og eksocytose



# [diffusion]



(a) Diffusion of one solute



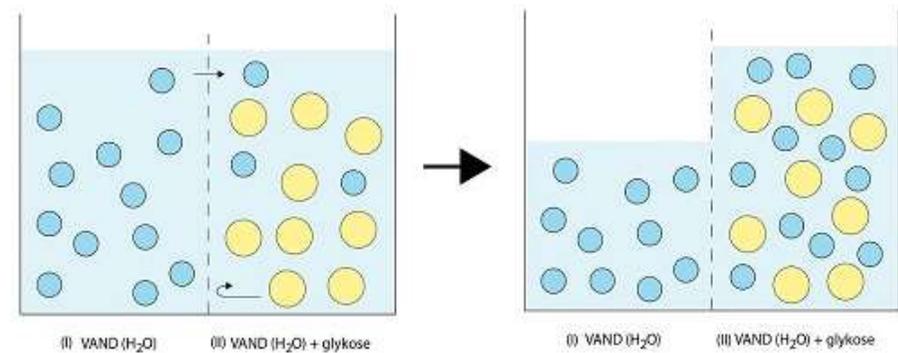
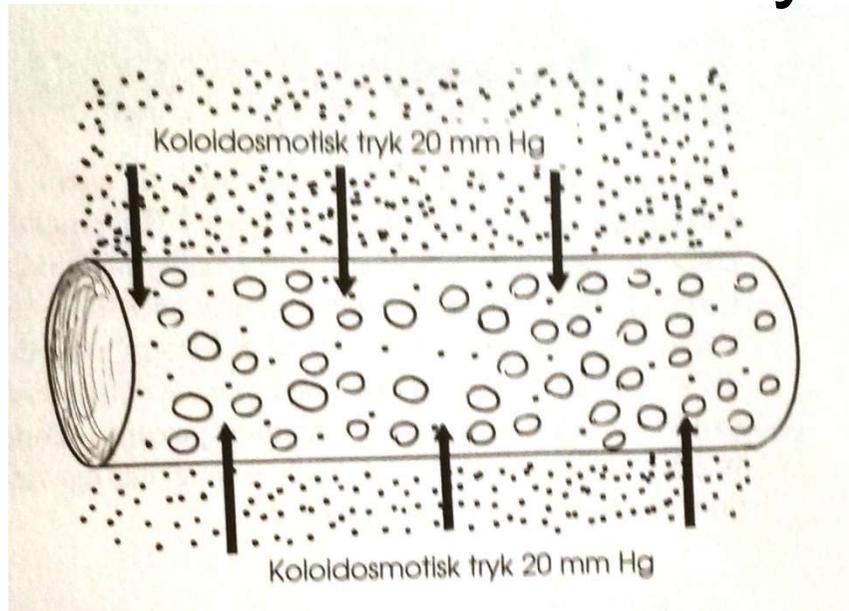
(b) Diffusion of two solutes

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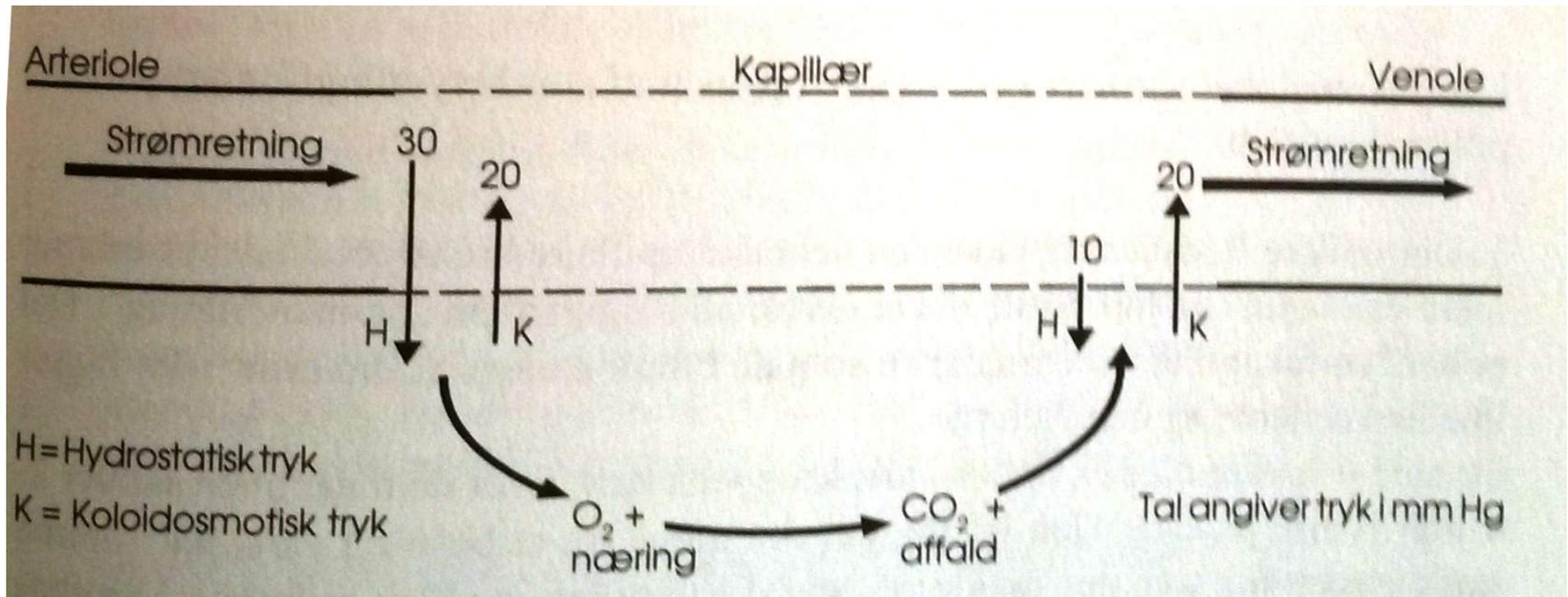
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# [det parakapillære kredsløb]

- Transport ind og ud af kapillærer
- Osmose (diffusion)
- Kolloidosmotisk tryk



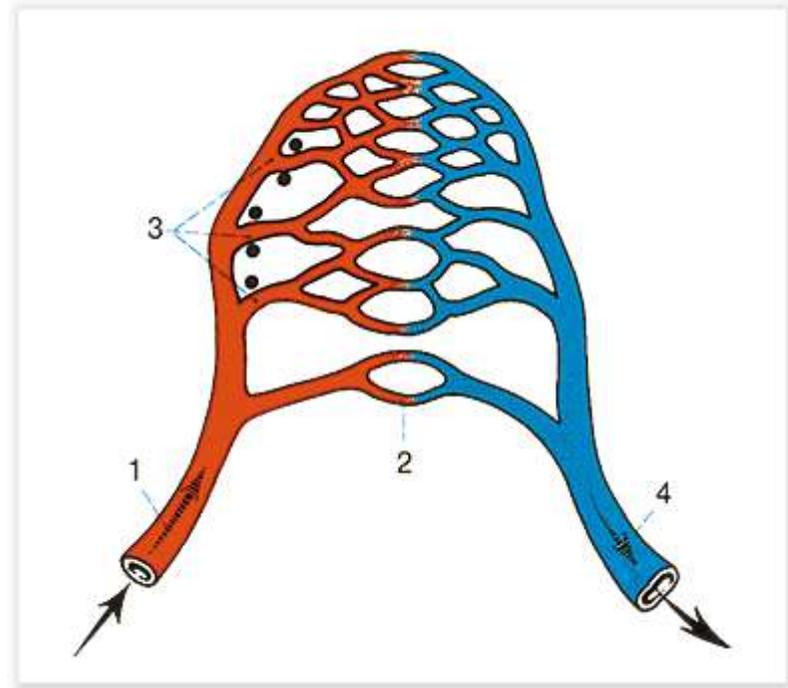
# [det parakapillære kredsløb]



# [arteriovenøse anastomoser]

Påvirkes af:

- Nervesystem
- Karudvidende stoffer
- Histamin

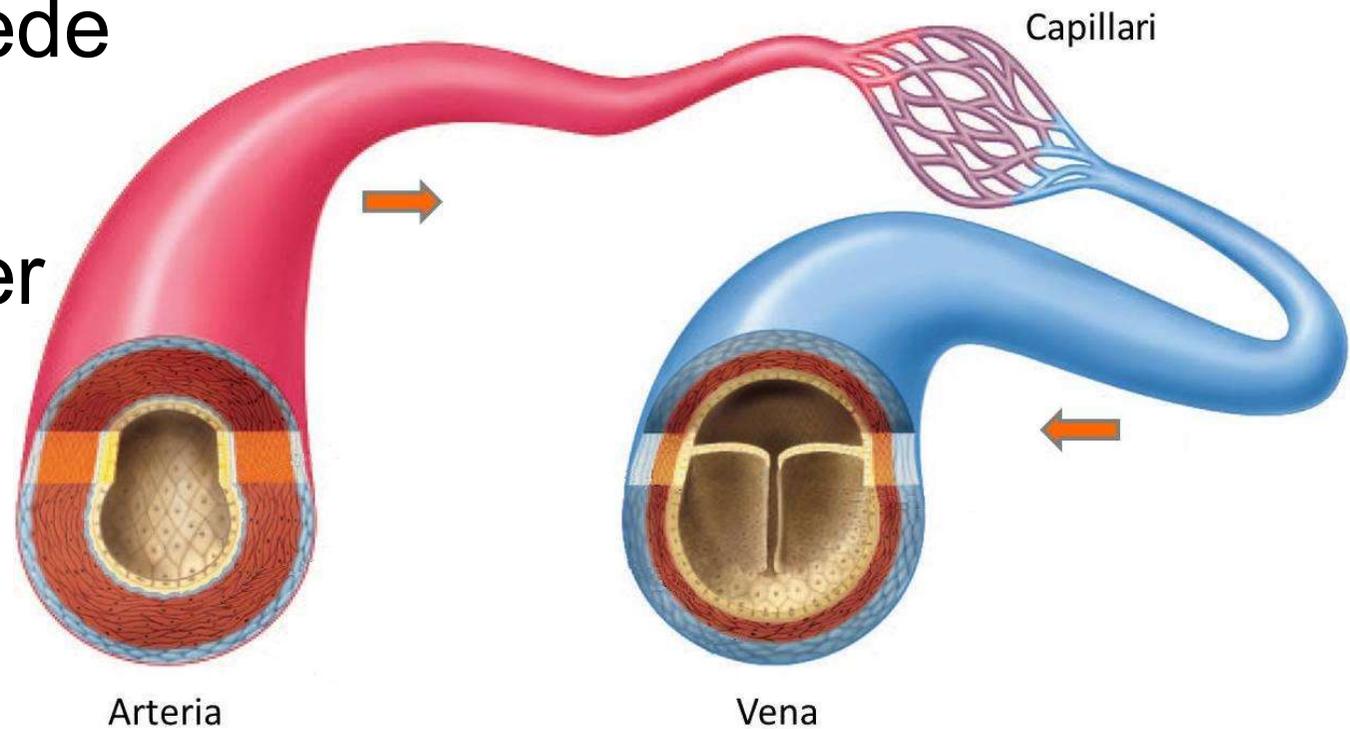


# [vener]

Tyndvæggede  
Lavt tryk  
Veneklapper

Opbygning:

- Endothel
- Glat muskulatur (meget tyndt lag)



# [venerne]

Bloddepot

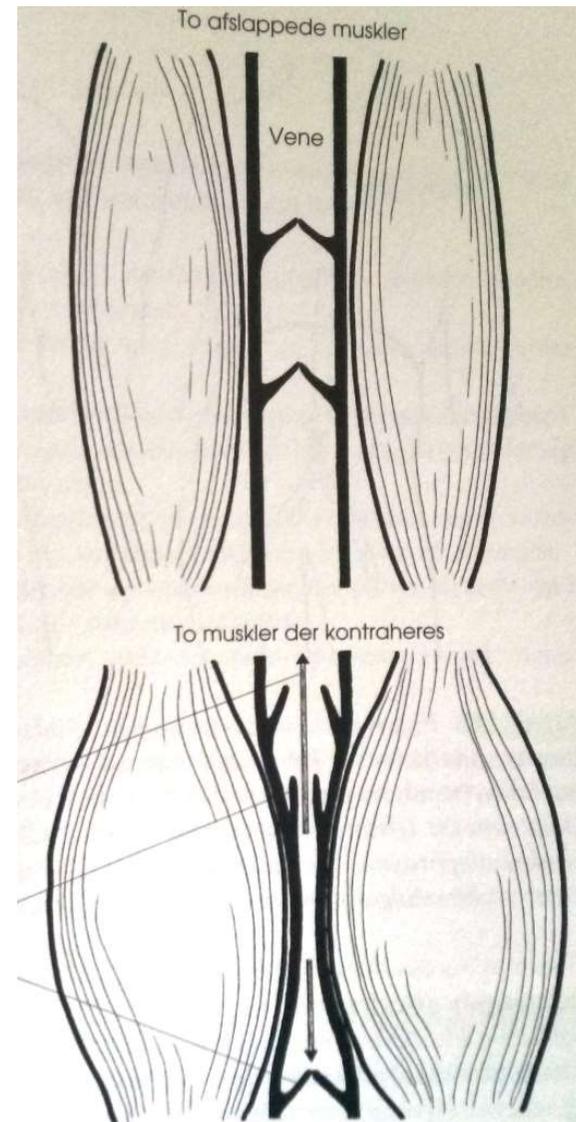
Venernes tonus kontrolleres  
af det sympatiske  
nervesystem

Noradrenalin

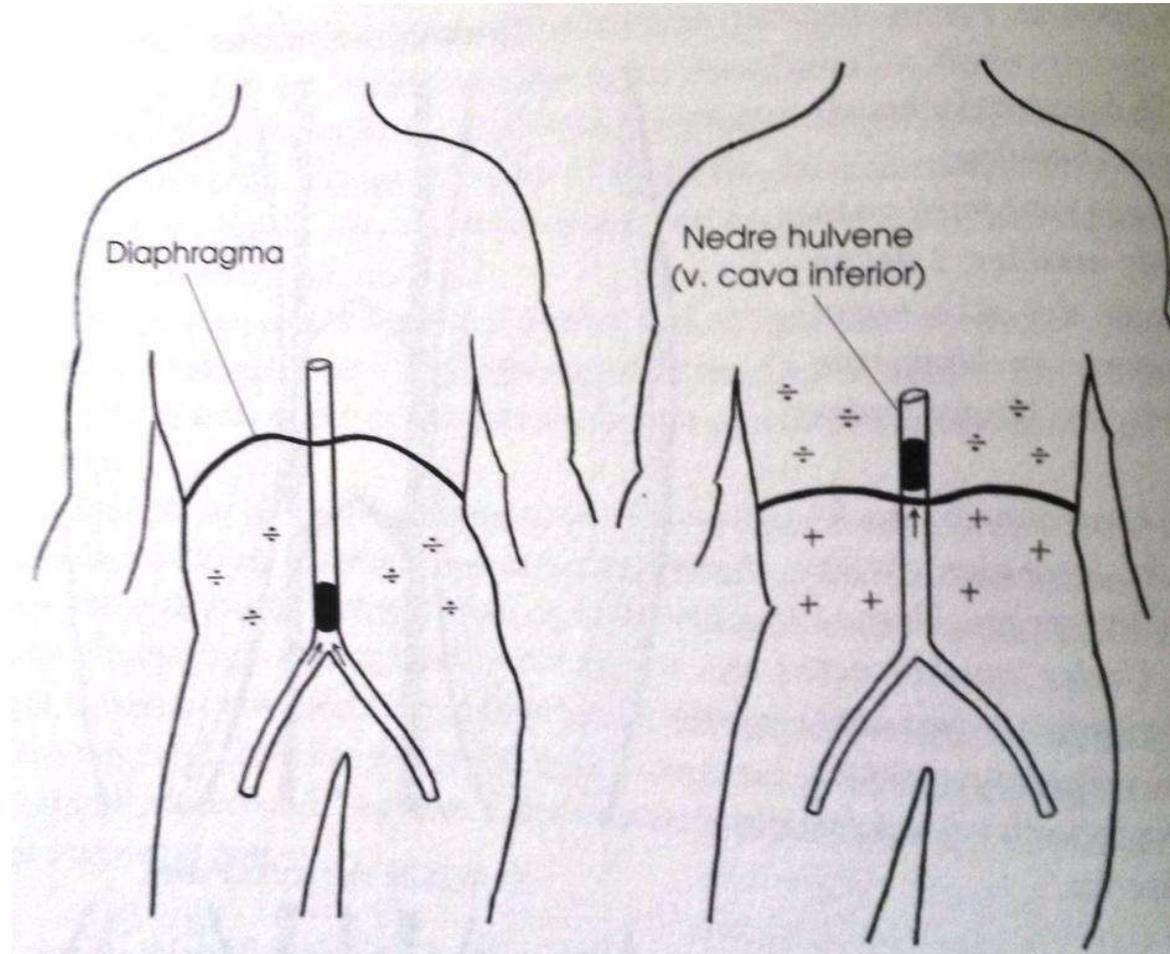
Adrenalin

Veneklapper

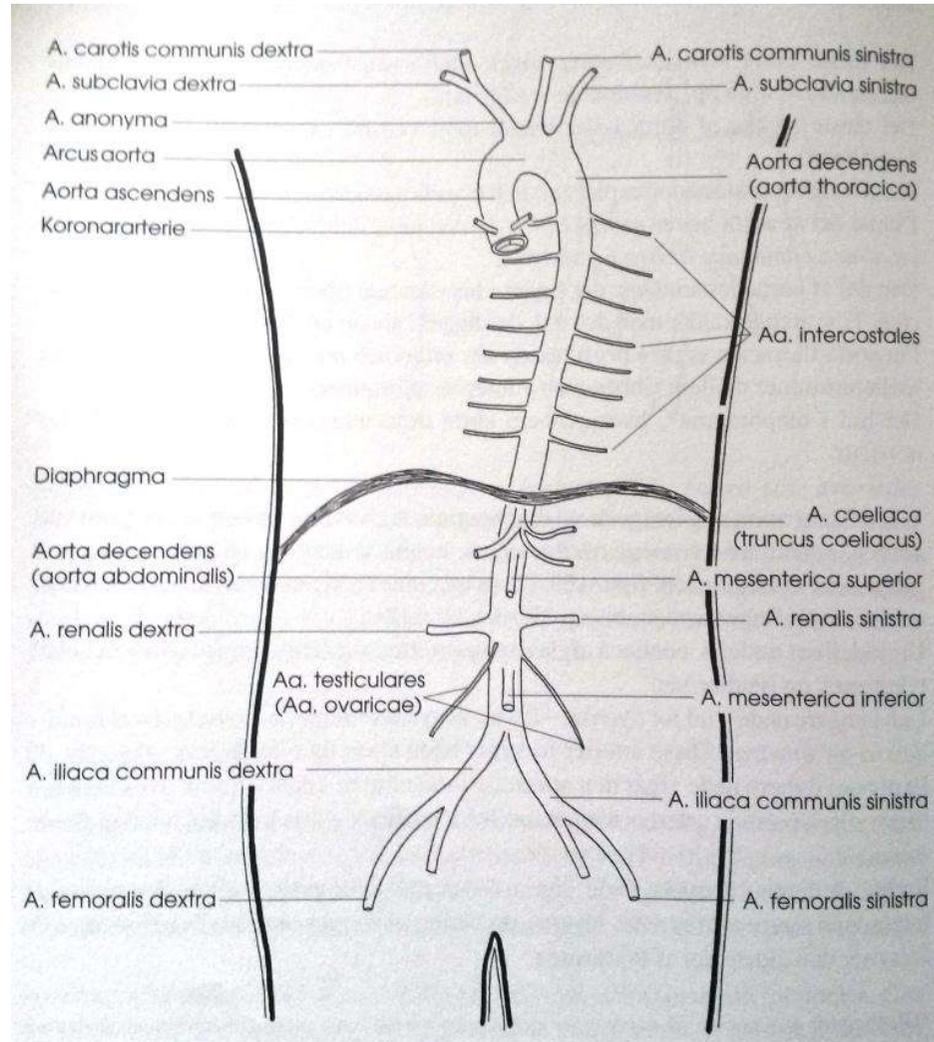
Venepumpen



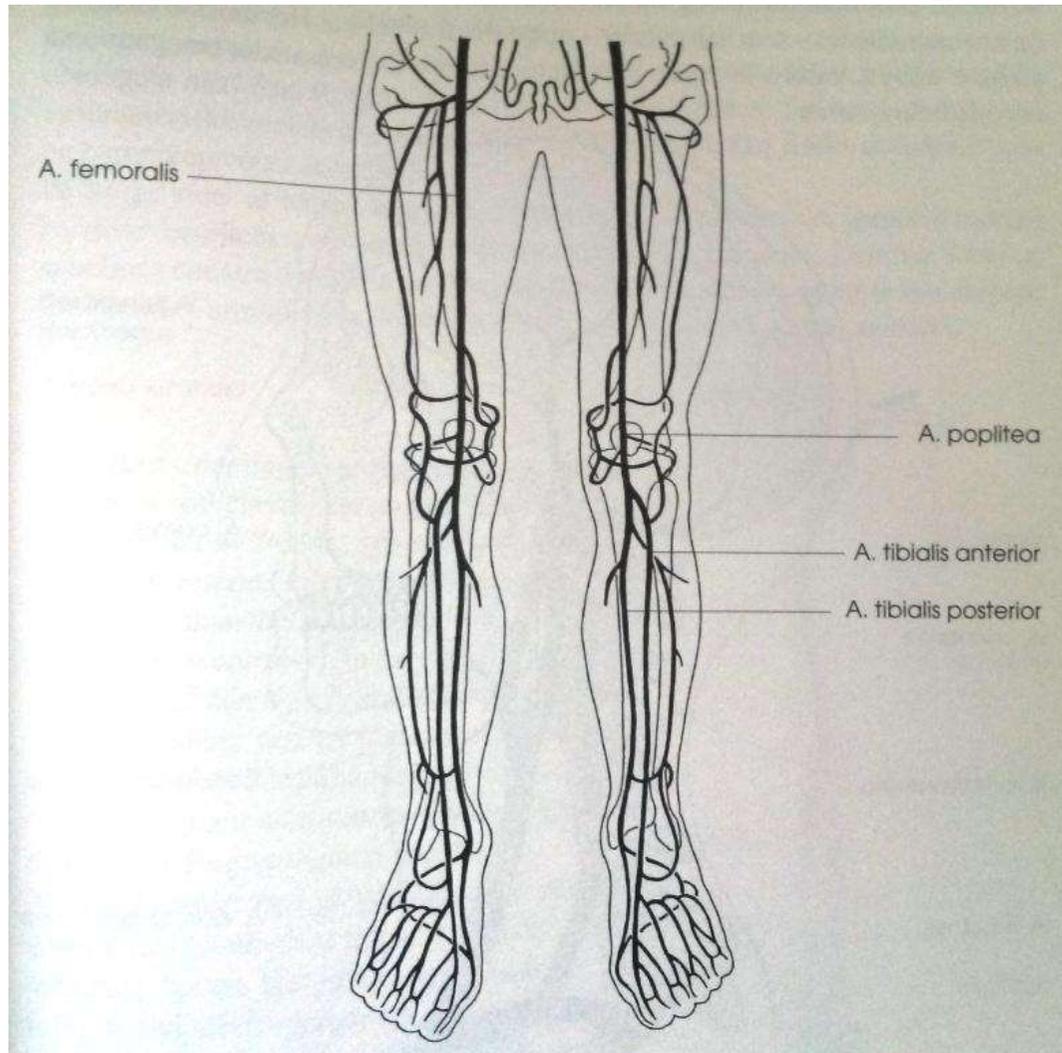
# [thoraxpumpen]



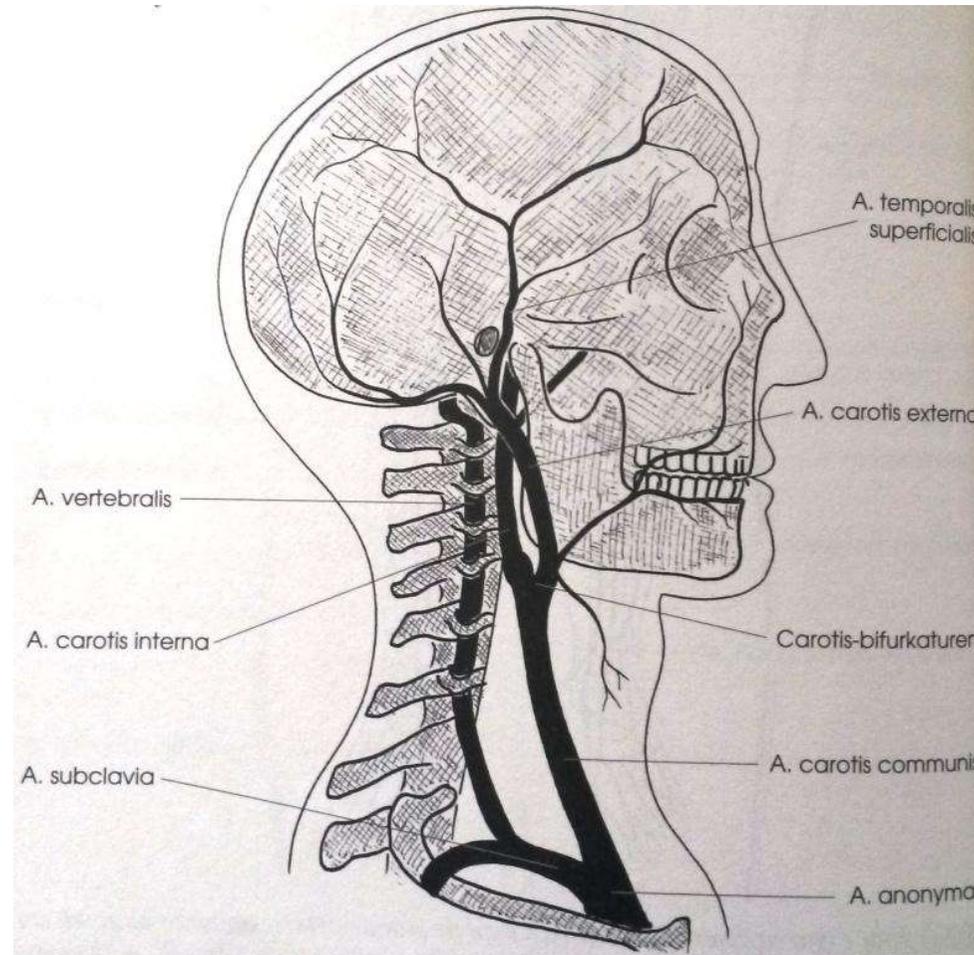
# [aorta]



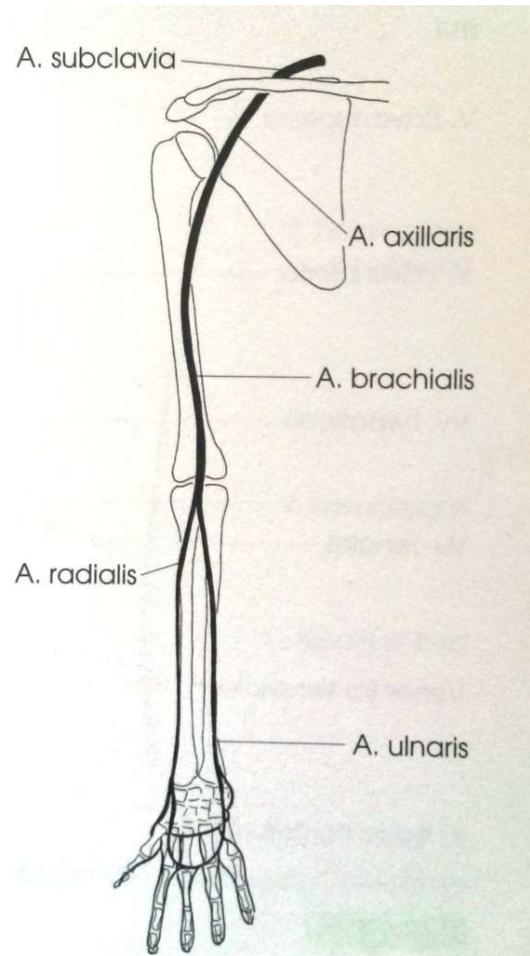
# [benets arterier]



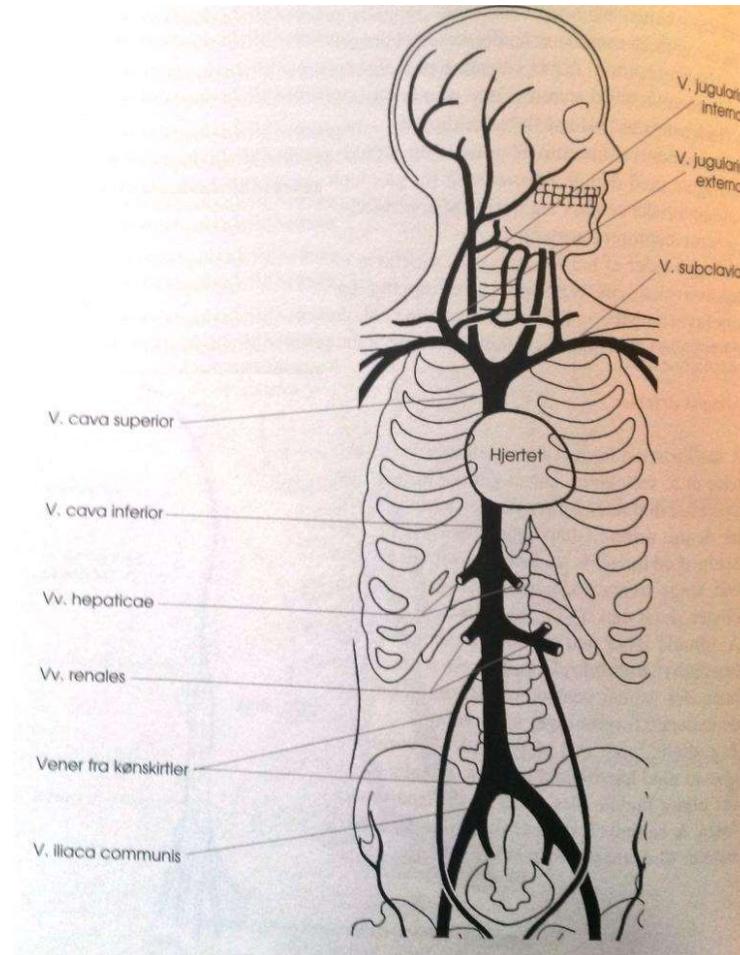
# [arterier til hoved og hals]



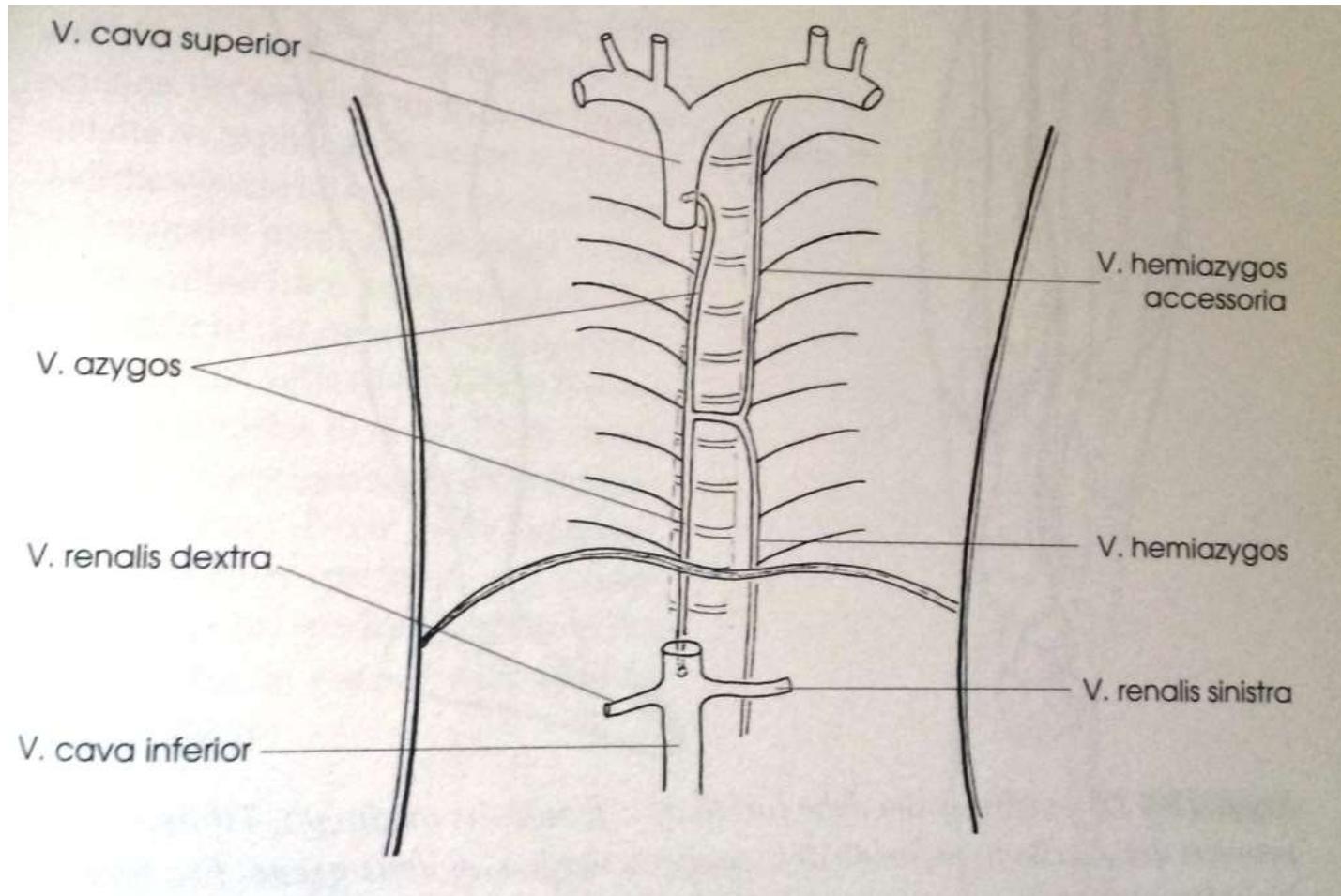
# [armens arterier]



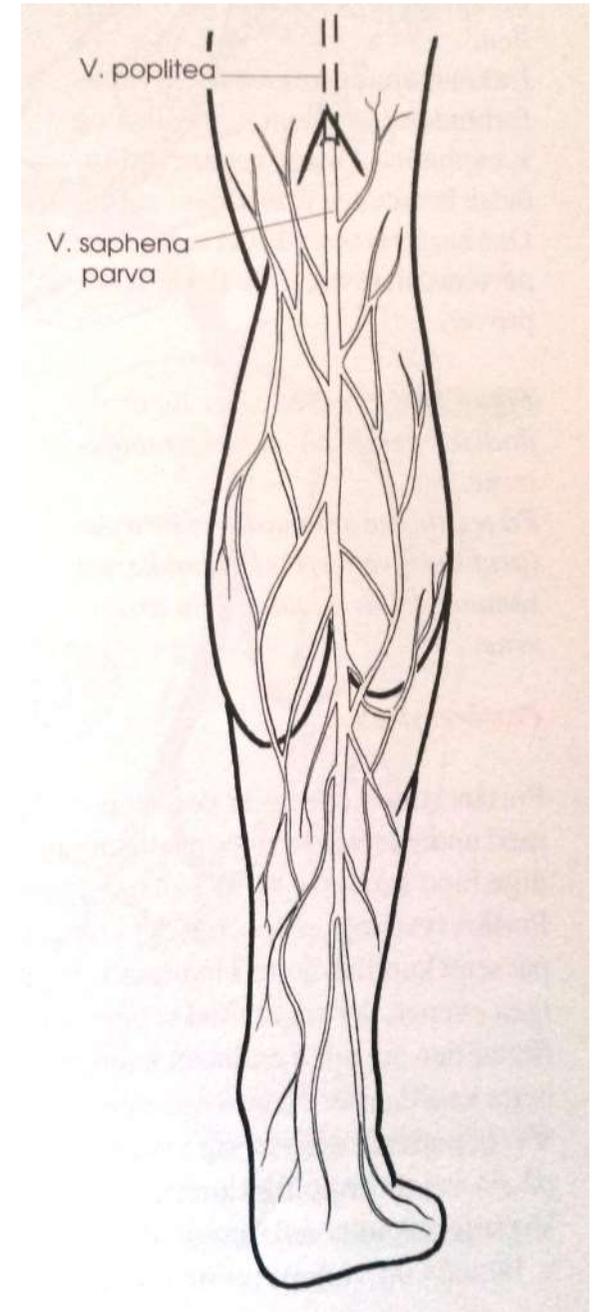
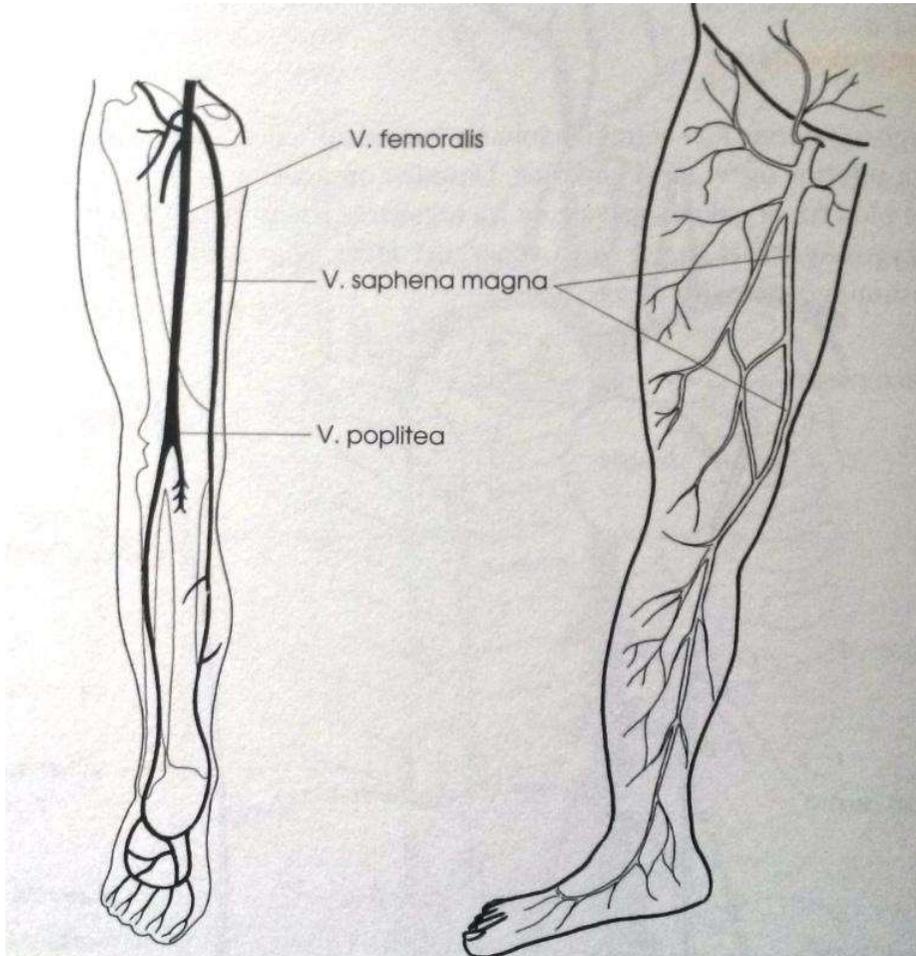
# [vena cava]



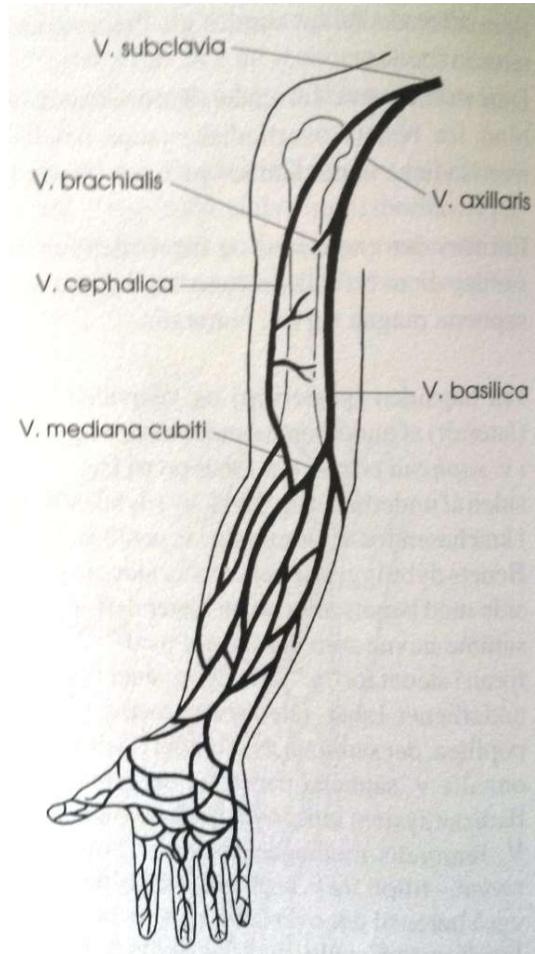
# [vena azygos-systemet]



# [benets vener]



# [armens vener]



# [portåresystemet]

- Dobbelt kapillærnet
- Samler blod fra fordøjelsesorganer
- Leveren fungerer som filterenhed for evt. kontamineret blod

