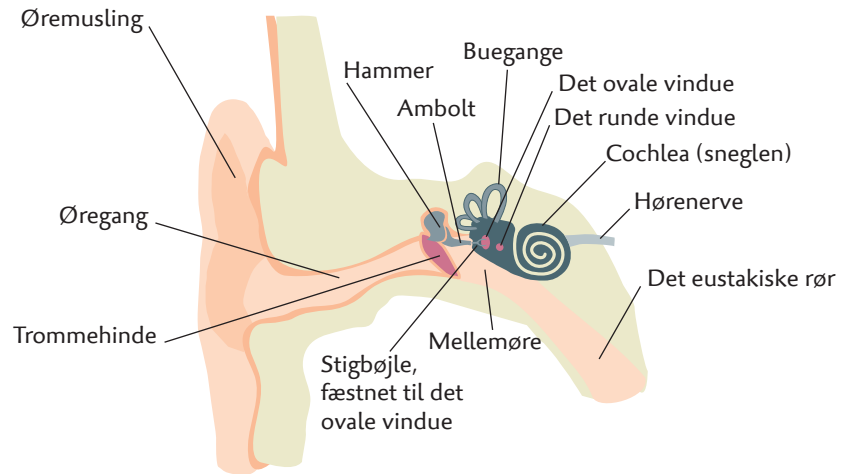
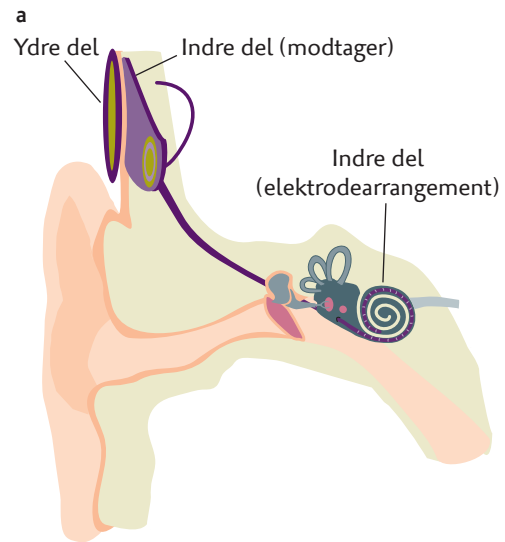
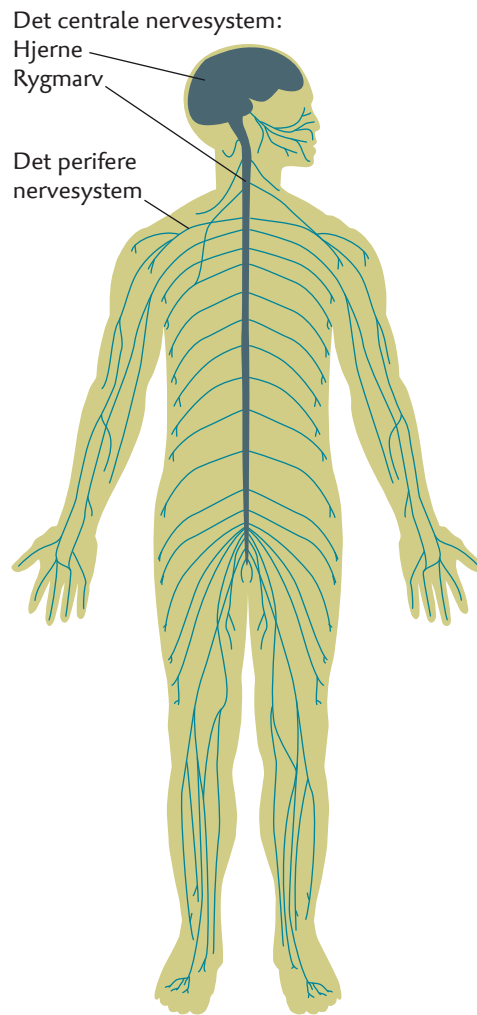




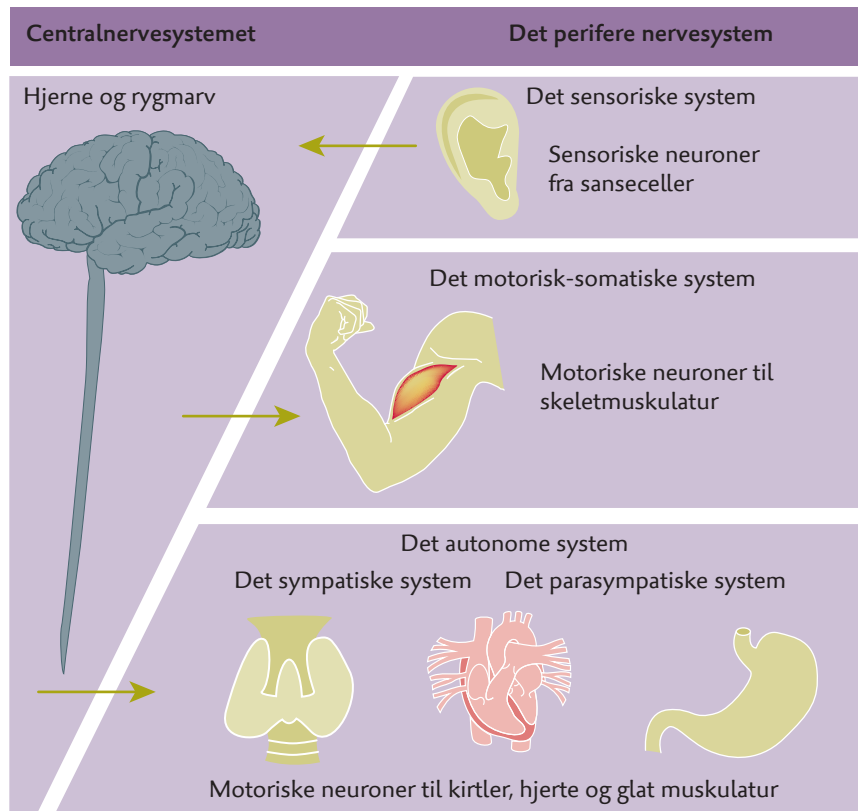
Figur 3. Sneglens placering.
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Figur 5. a. Cochlear implant.
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Figur 6. Nervesystemet.
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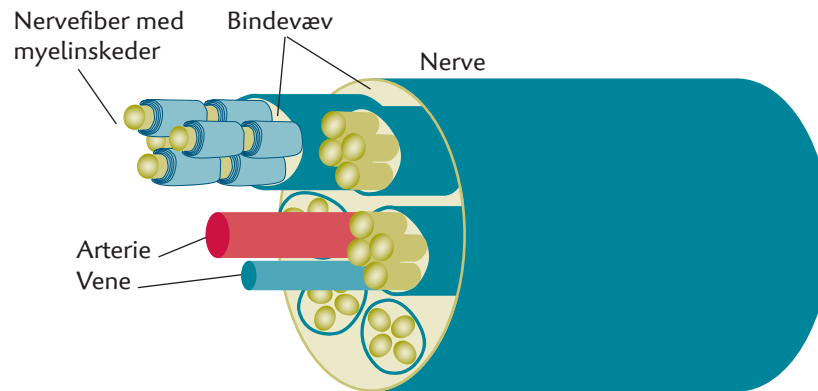


Figur 8. Nervesystemets inddeling.

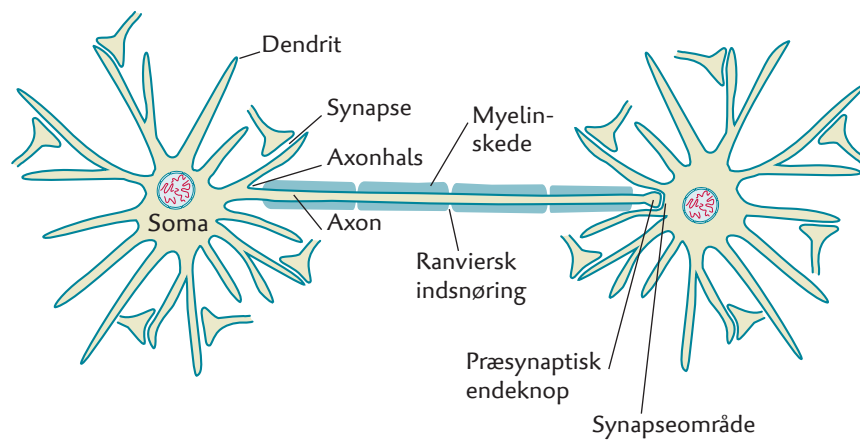
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Figur 9. Nerve.
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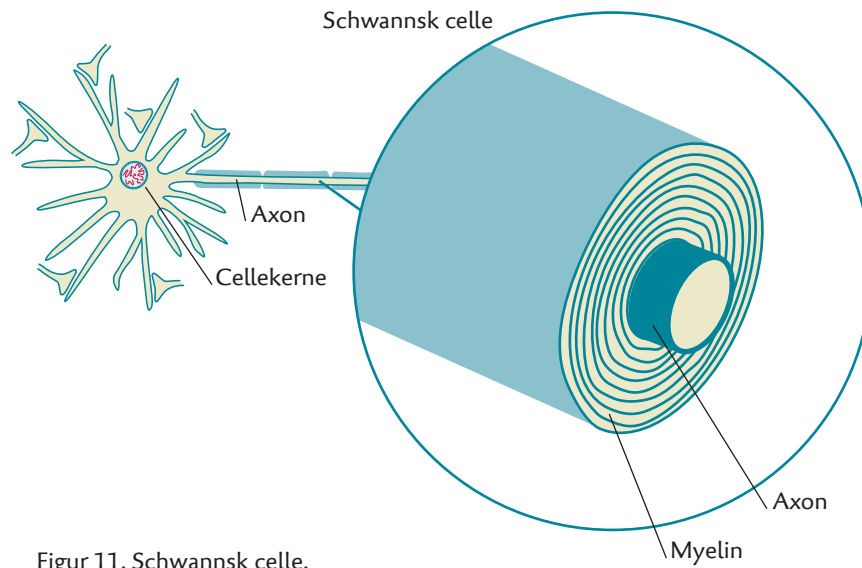


Figur 10. Neuron.

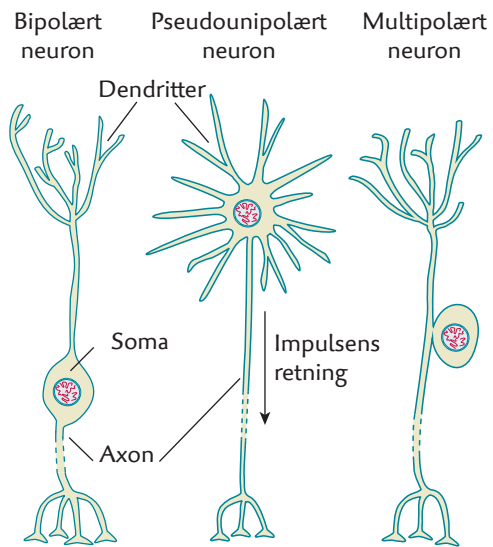
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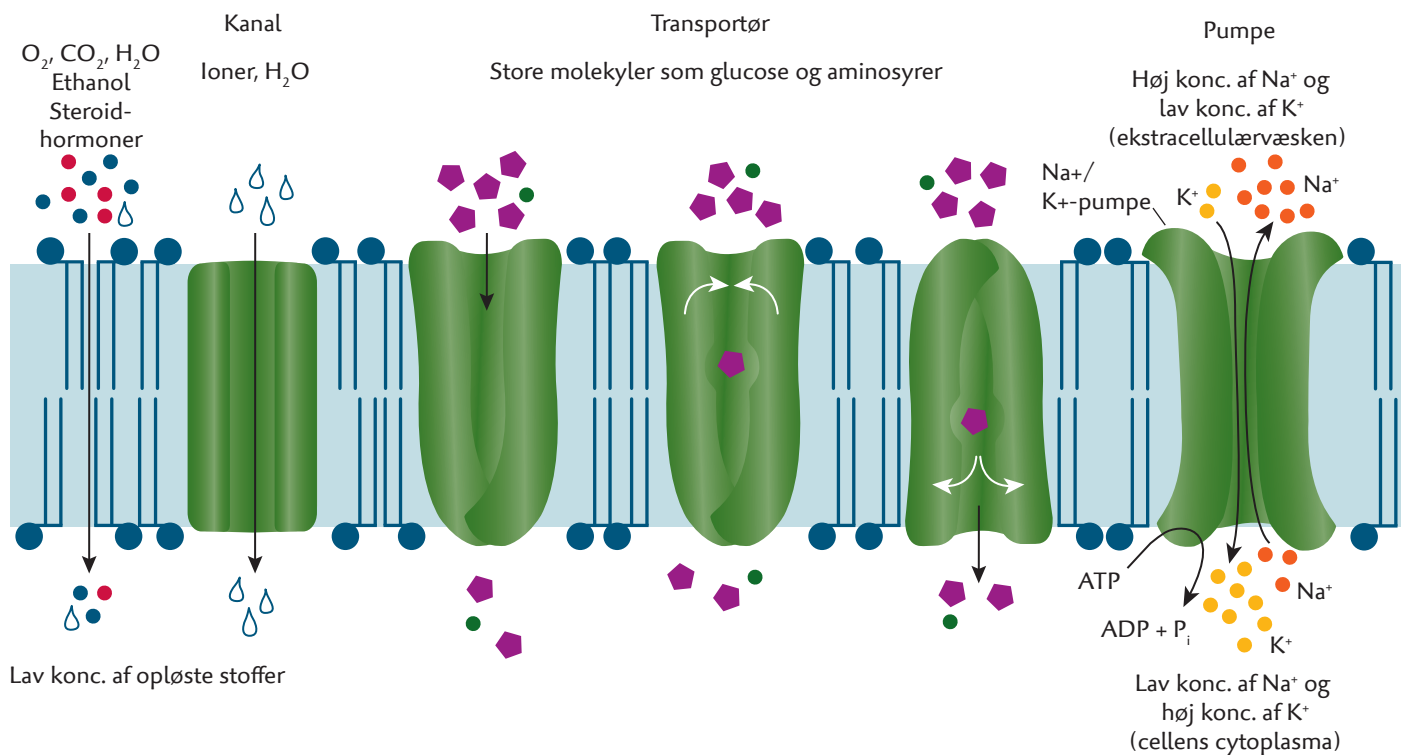


Figur 11. Schwannsk celle.
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Figur 12. Neuroner.
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Høj konc. af opløste stoffer

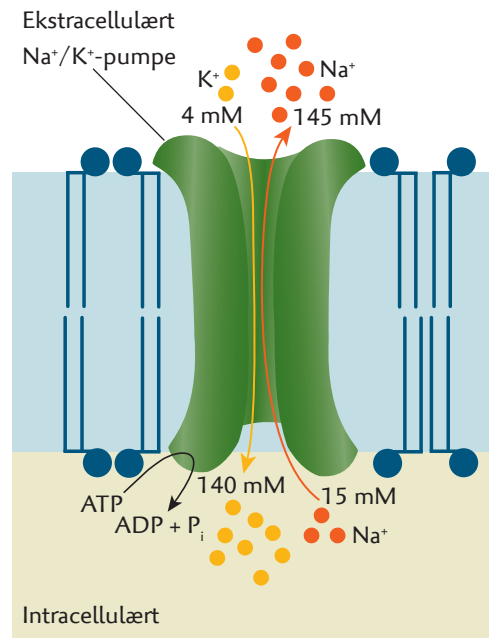


Figur 13. Transport gennem en cellemembran.

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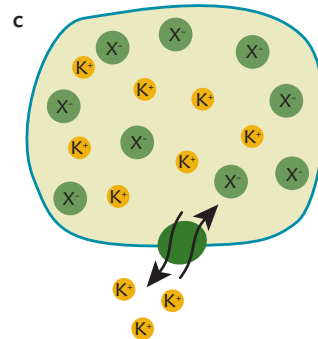
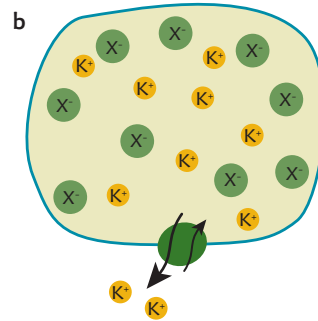
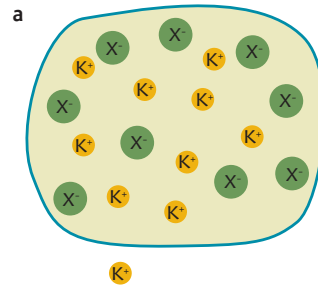


Figur 14. Energikrævende pumpe.

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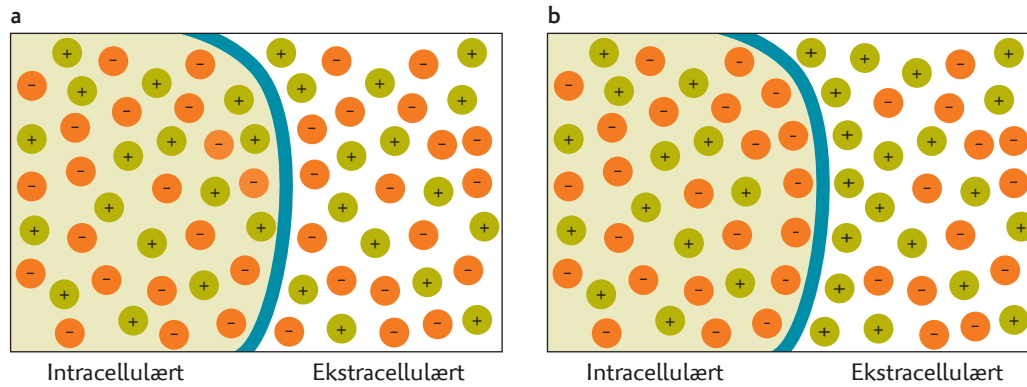


Figur 15. Membranpotentiale.

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Figur 16. Cellemembran uden og med membranpotentiale.

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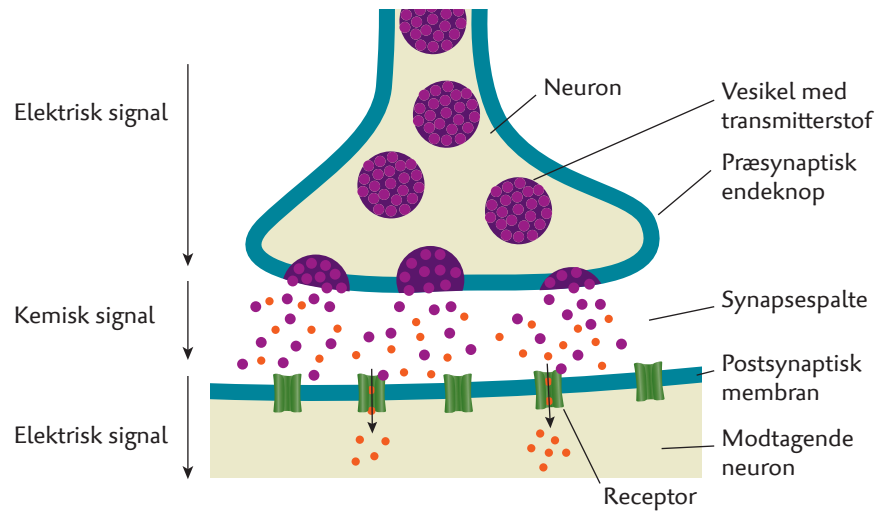
Ion	Ekstracellulær koncentration (mM)	Intracellulær koncentration (mM)	Koncentrations- forholdet ekstra-/ intracellulær	$E_{eq,Xz}$ mV (37 °C)
Na ⁺	145	15	9,670	+61
K ⁺	4	140	0,029	-95
Ca ²⁺	1	$7 \cdot 10^{-5}$	14.286	+128
Cl ⁻	120	7	17,140	-76

Figur 17. Ionkoncentrationer.

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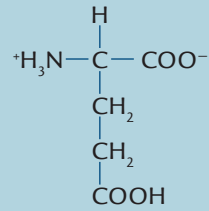
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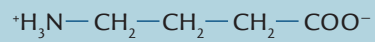
Figur 18. Synapse.
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Aminosyrer

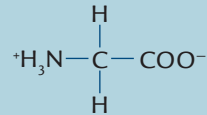
Glutamat



GABA

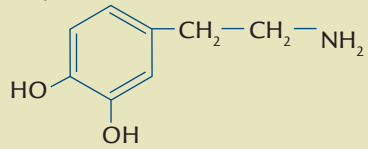


Glycin

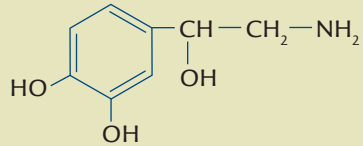


Aminer

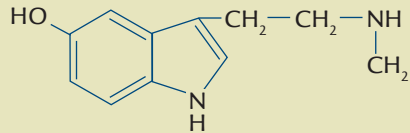
Dopamin



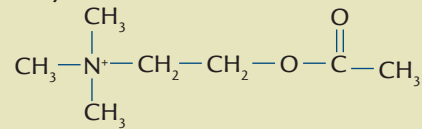
Noradrenalin



Serotonin



Acetylcholin

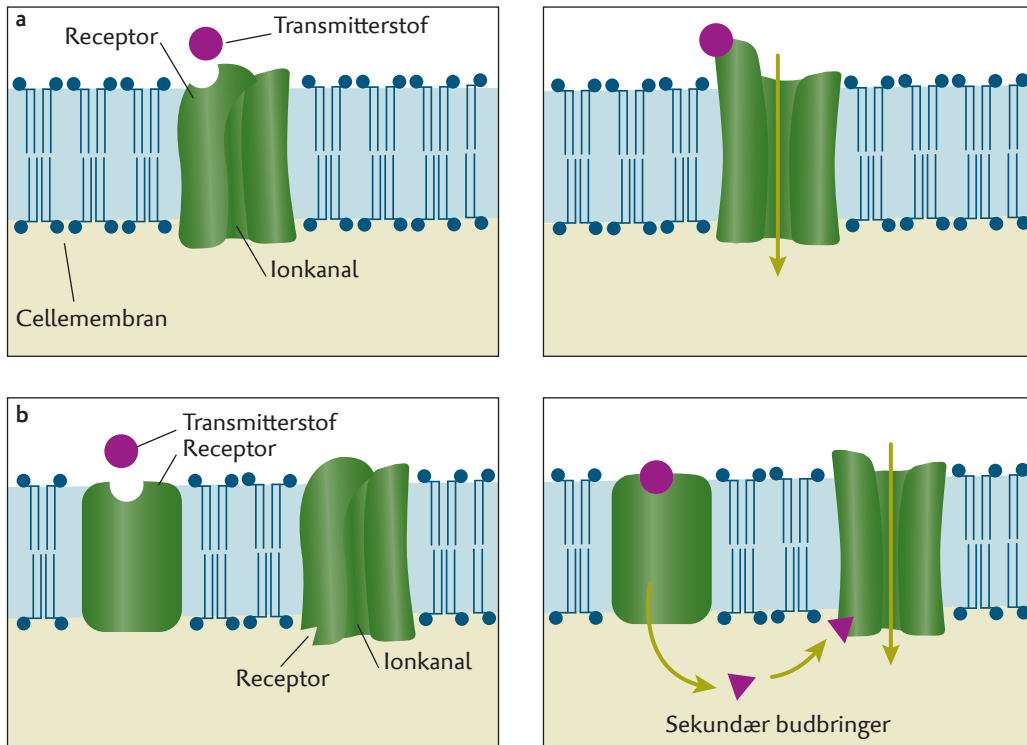


Figur 19. Transmitterstoffer.

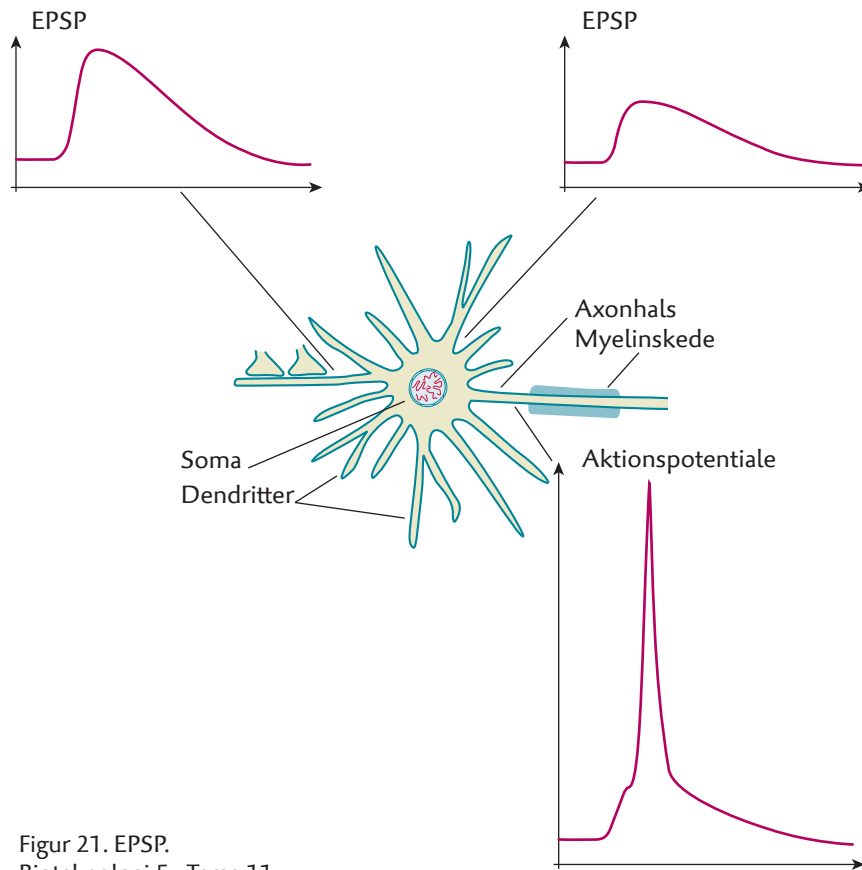
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Figur 20. Receptorstyrede ionkanaler.
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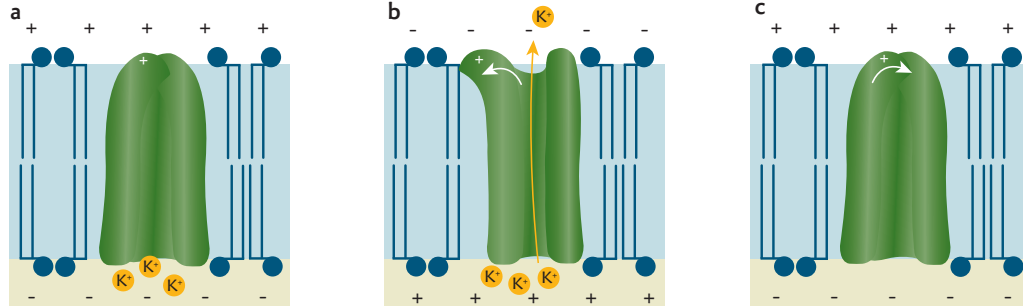
Figur 21. EPSP.

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Uden for neuron



Inden i neuron

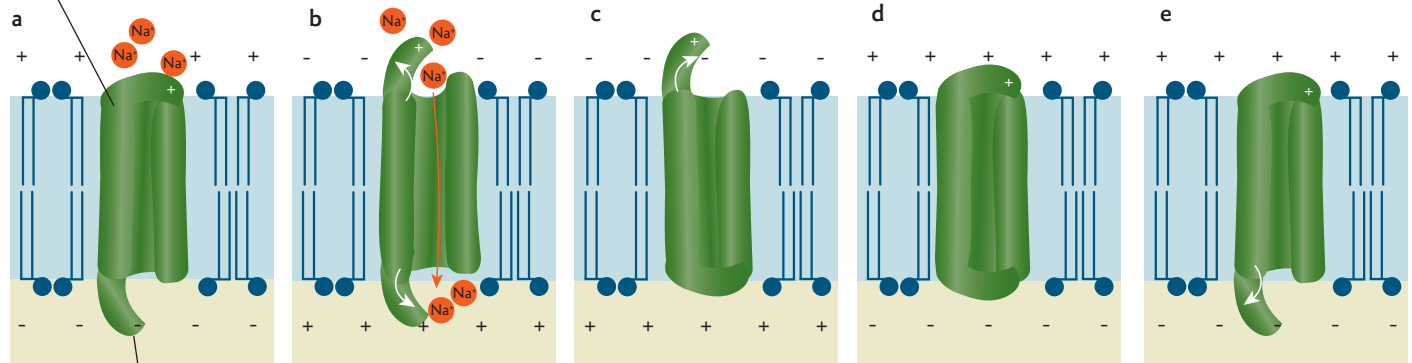
Figur 22. K⁺-kanalens faser.

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Uden for neuron
Aktiveringsport
(spændingsfølsom)



Inaktiveringsport
(ikke spændingsfølsom)

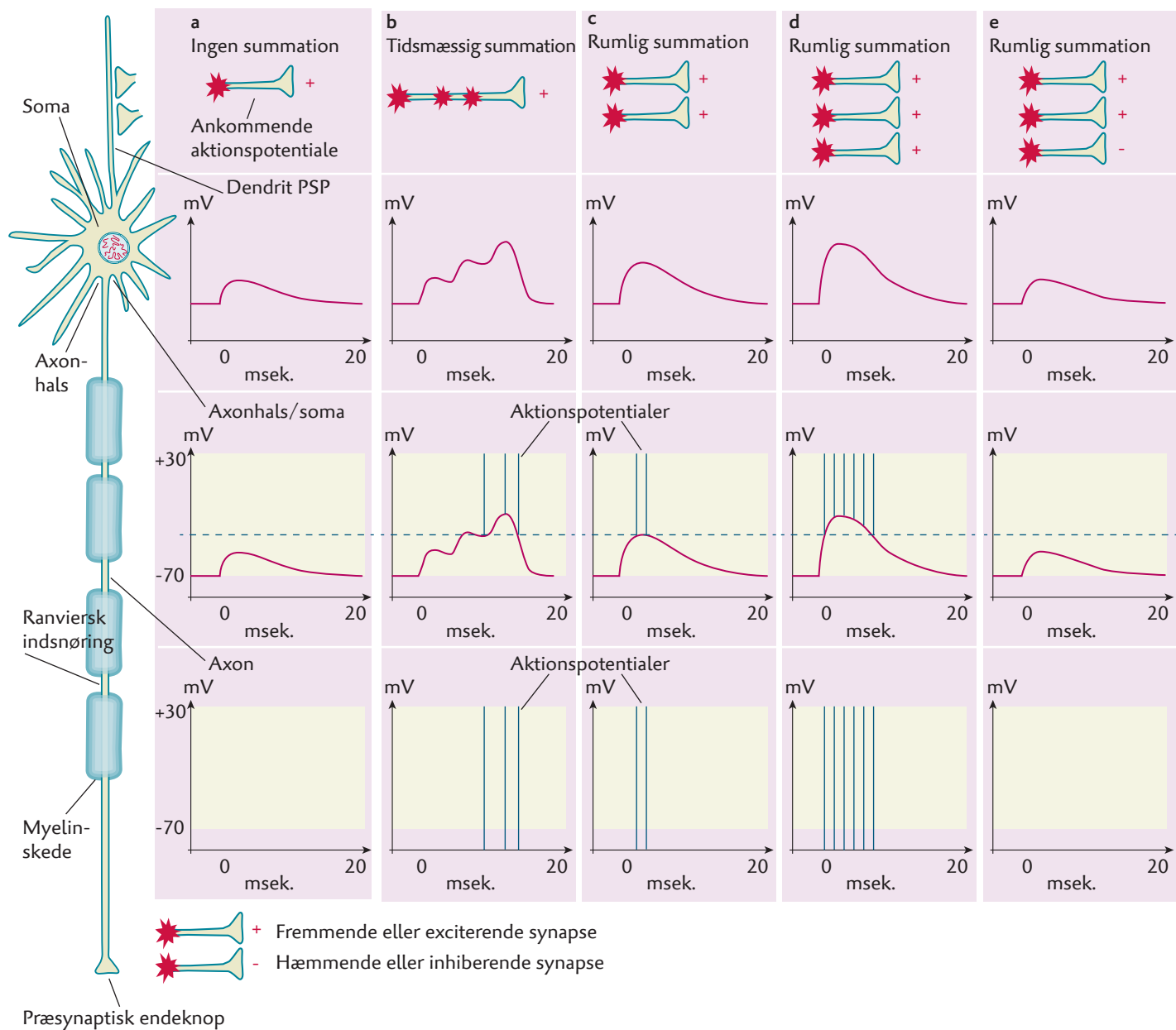
Inden i neuron

Figur 23. Na⁺-kanalens faser.

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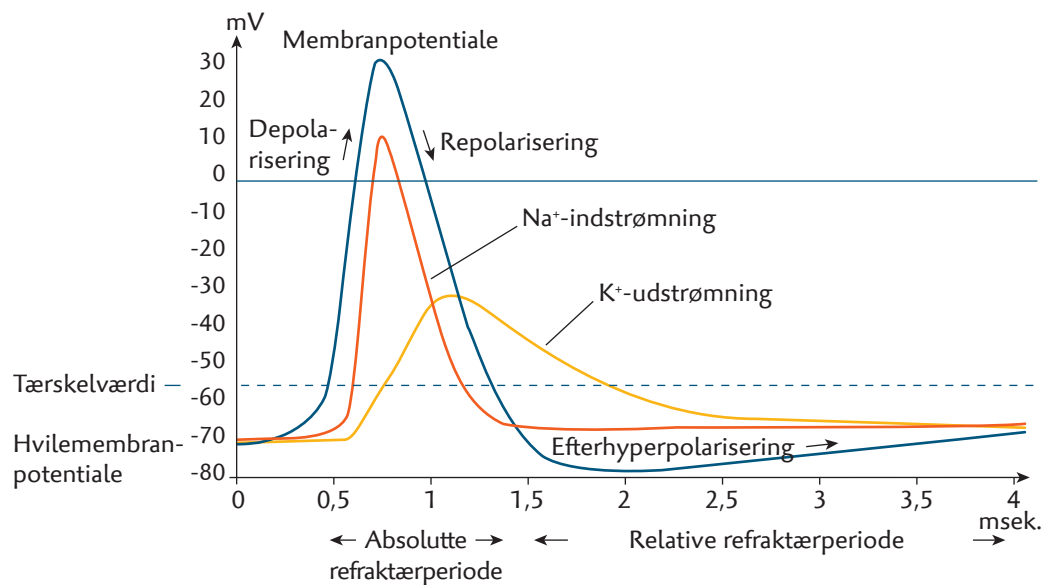


Figur 24. Postsynaptiske potentialer.

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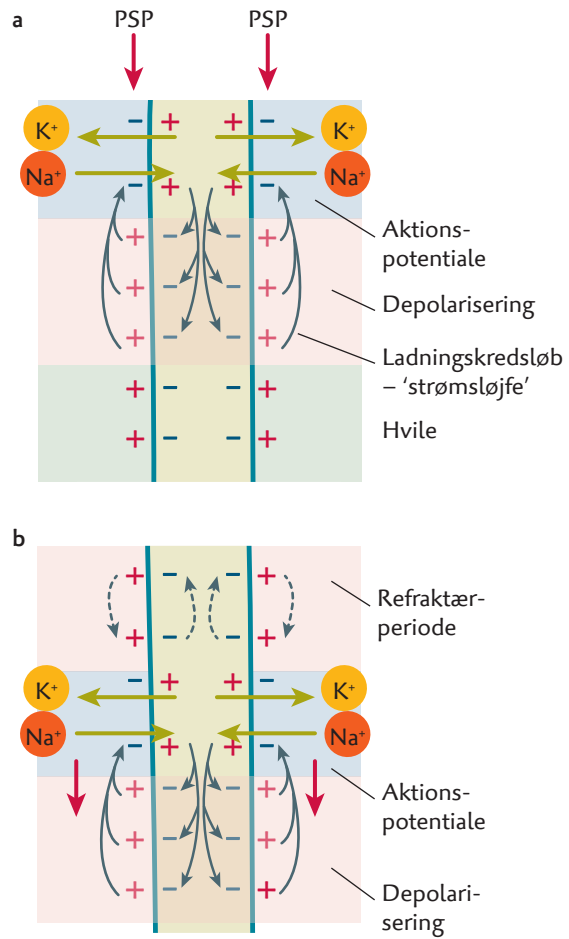


Figur 25. Aktionspotentiale og ionstrømninger.

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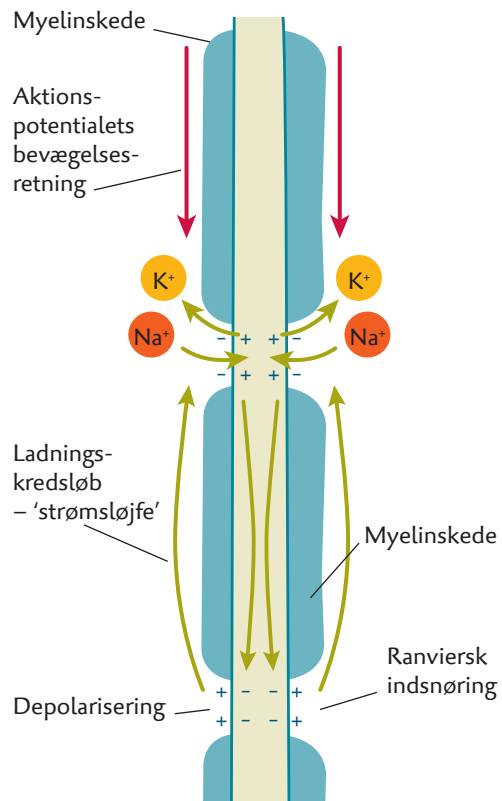


Figur 26. Aktionspotentiale og refraktærperiode.

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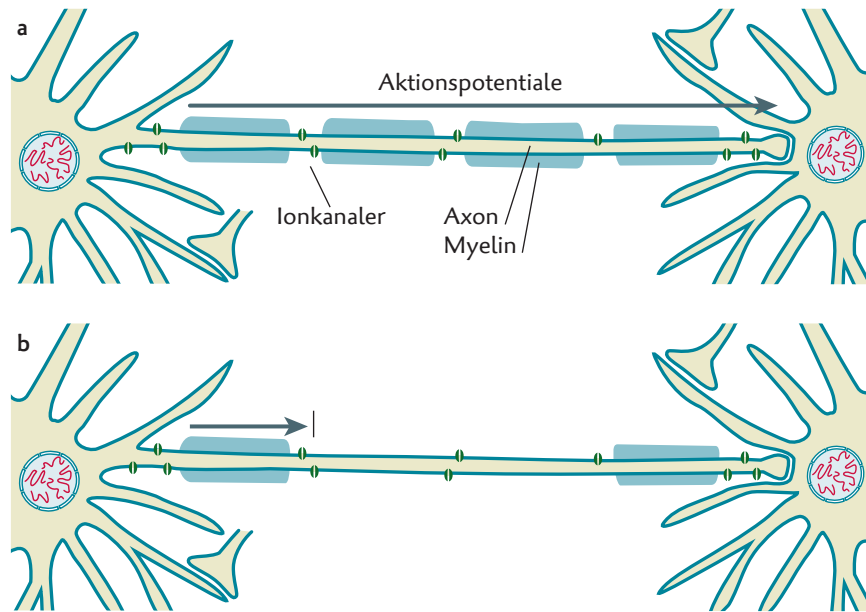


Figur 27. Saltatorisk impulsledning.

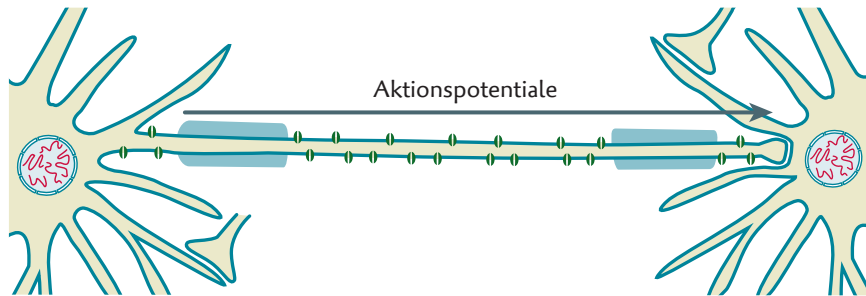
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Figur 28. Myeliniseret og demyeliniseret neuron.
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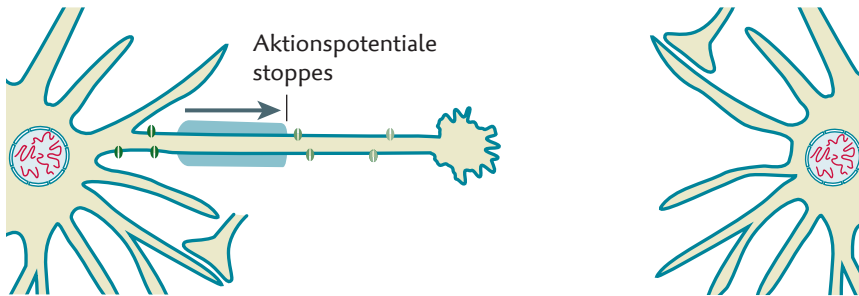


Figur 29. Kompensation for demyelinisering.

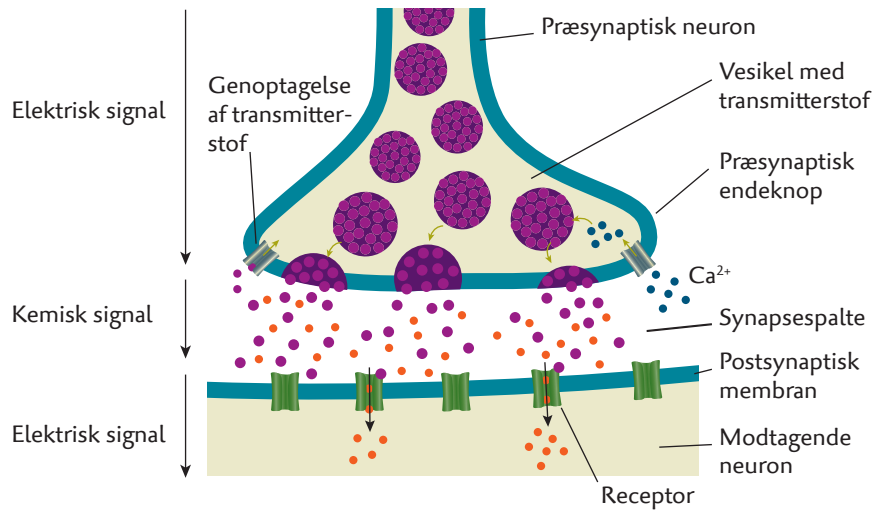
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Figur 30. Ødelagt neuron.
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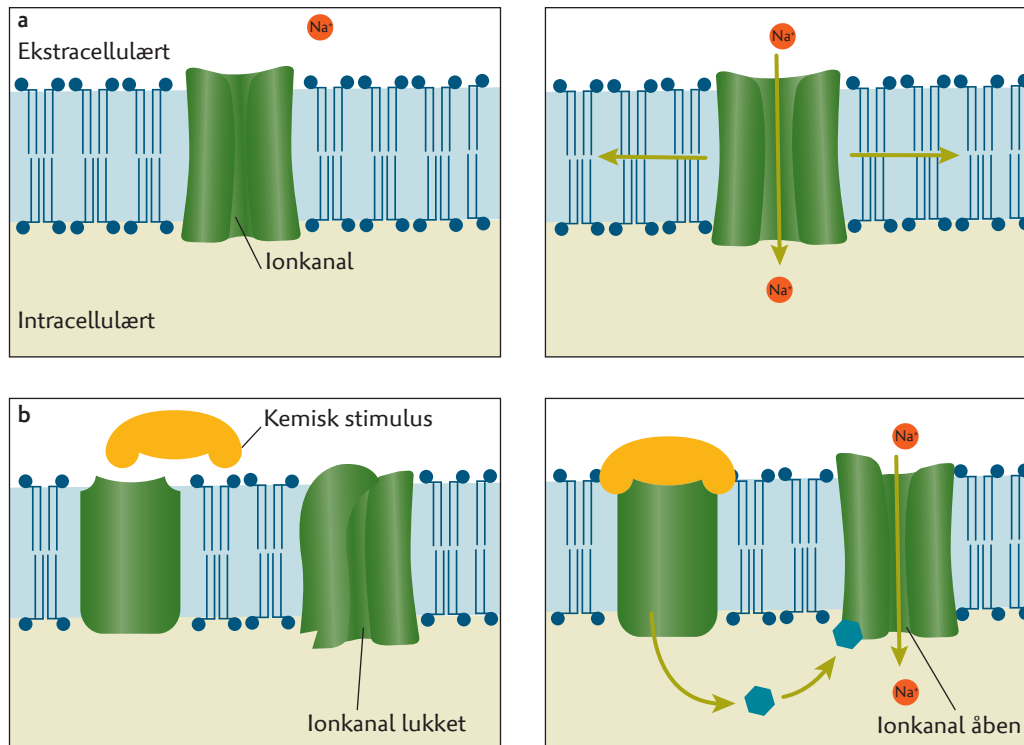


Figur 31. Transport over synapse.

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Figur 32. Sansereceptorer.
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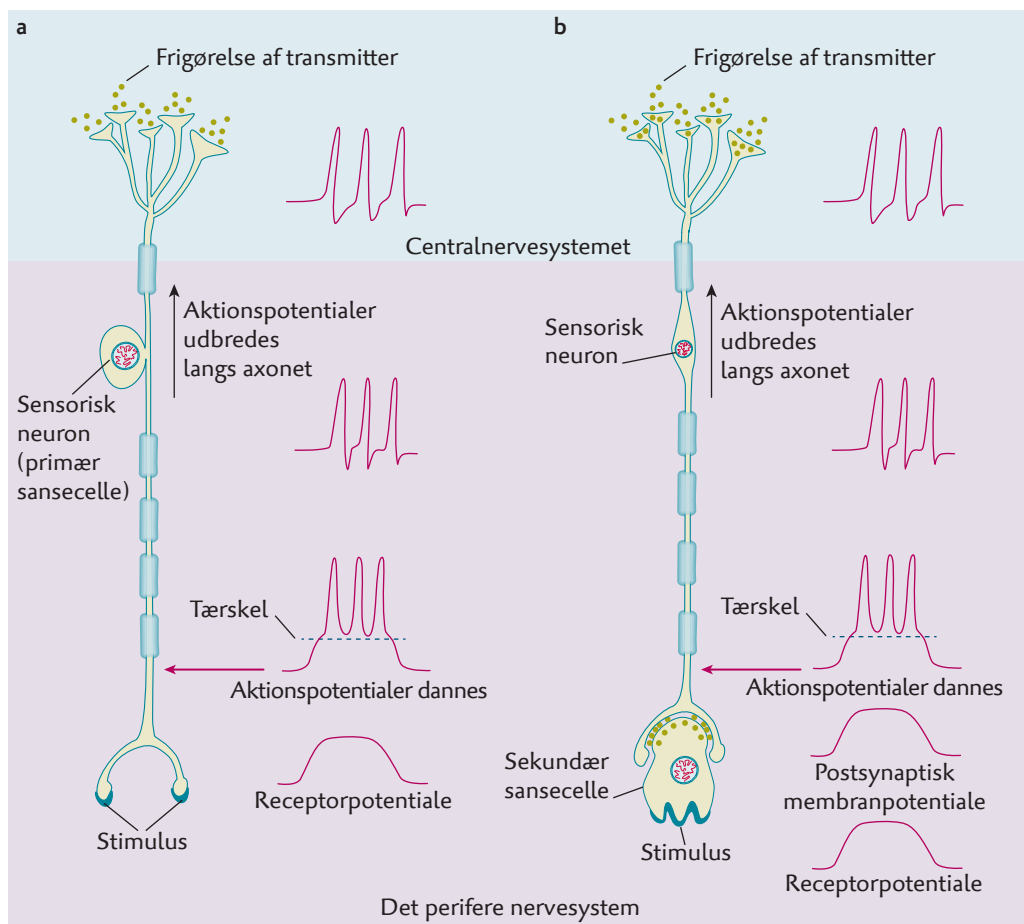
Receptortype	Placering i kroppen	Stimulus
Fotoreceptorer	Øjne	Lys
Kemoreceptorer	Mund, næse, hjerne og store blodkar	Kemiske stoffer
Mekanoreceptorer	Hud, muskler, sener, hjerte, store blodkar og indre øre	Tryk og træk
Termoreceptorer	Hud og hjerne	Temperatur
Smertereceptorer	De fleste steder i kroppen	Forskellige stimuli der er skadelige for kroppen

Figur 33. Sansereceptorer.

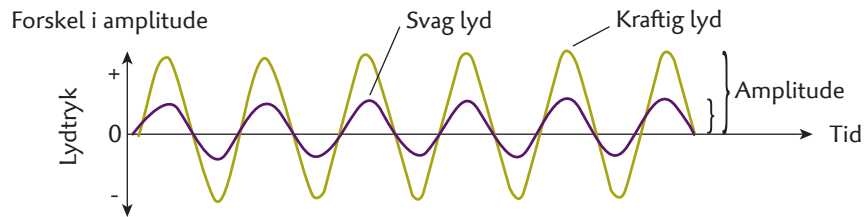
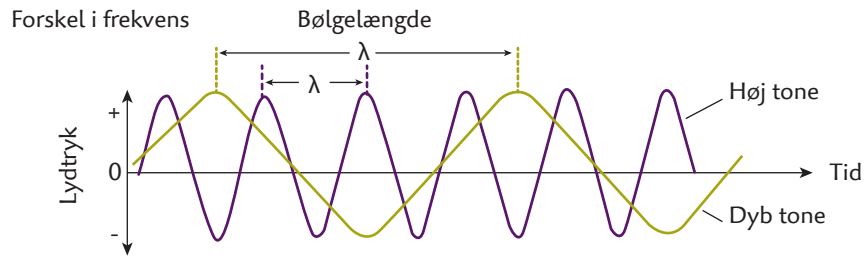
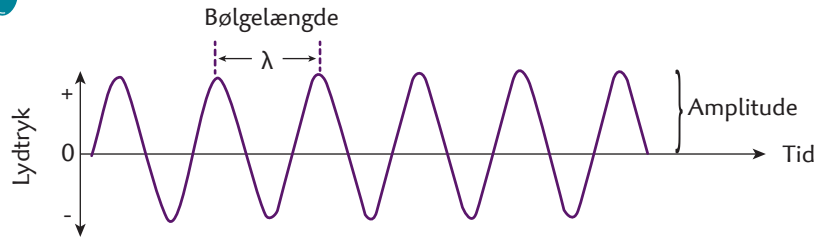
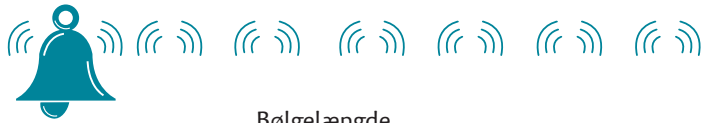
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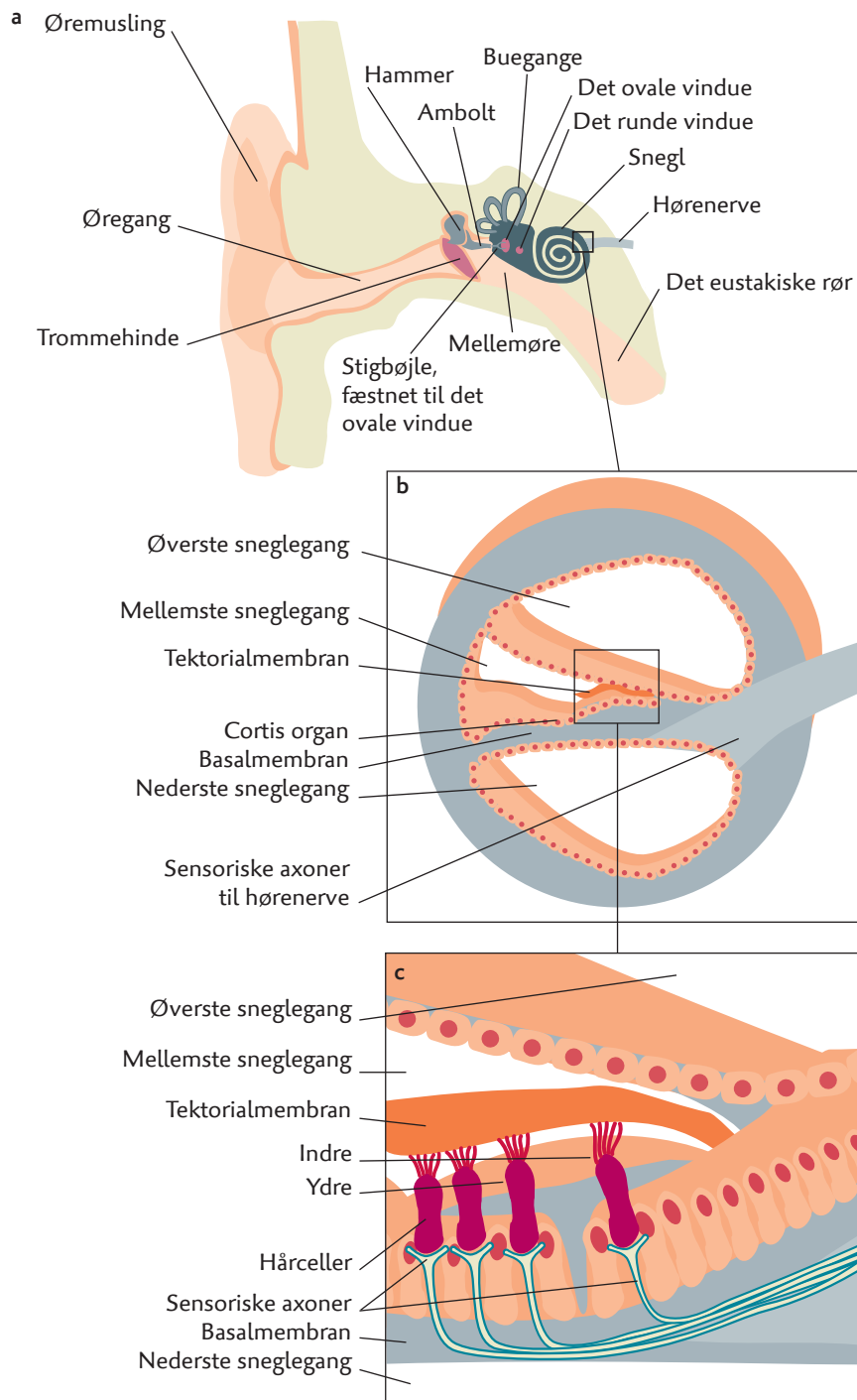
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Figur 34. Primær og sekundær sansecelle.
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Figur 35. Lyd som trykbølger.
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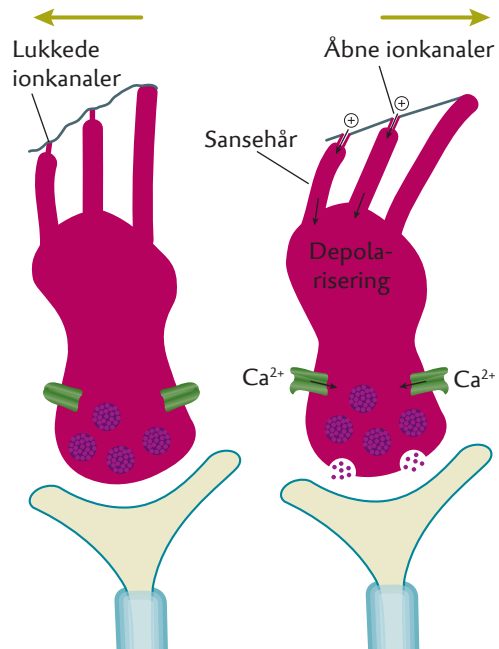


Figur 36. Øret.

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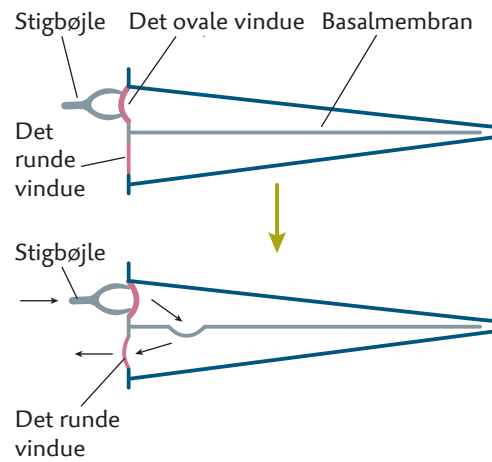


Figur 38. Bevægelse af sansehår.

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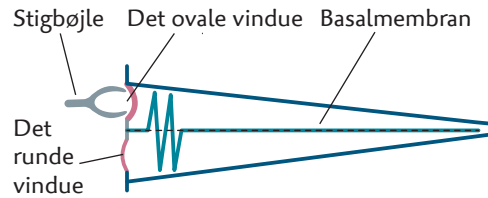


Figur 39. Forplantning af svingning.

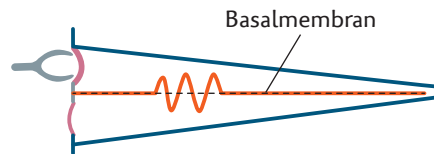
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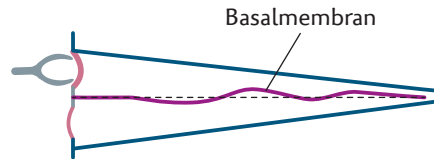
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Højfrekvente svingninger (1500-20.000 Hz)

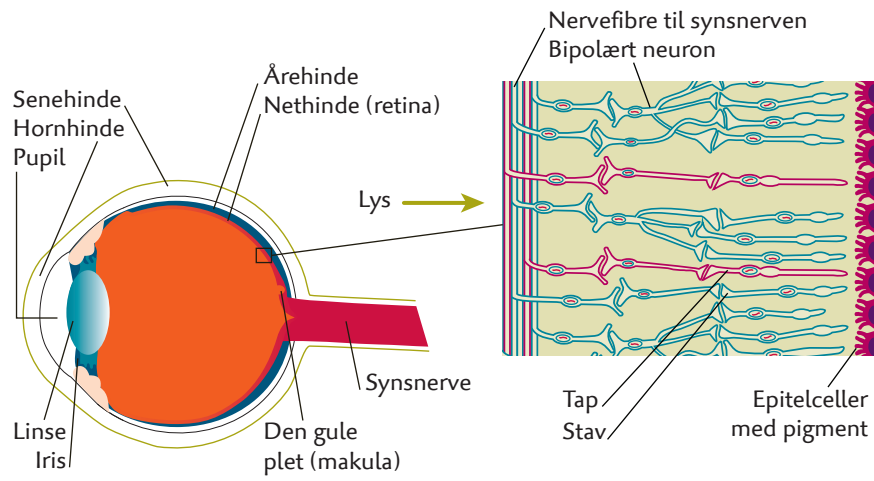


Mellemfrekvente svingninger (600-1500 Hz)



Lavfrekvente svingninger (200-600 Hz)

Figur 40. Vandrende bølger langs basalmembranen.
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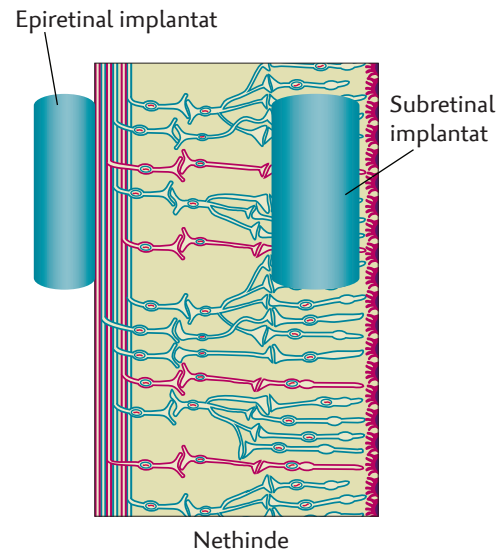


Figur 41. Lysfølsomme sanseceller.

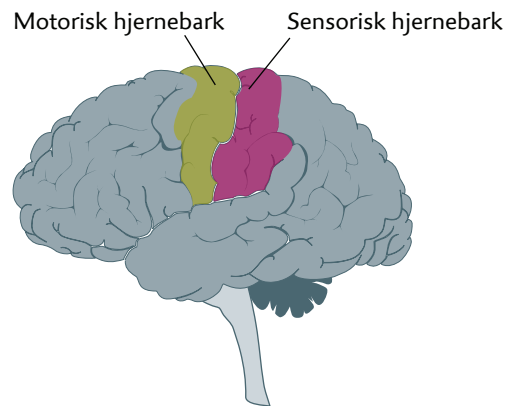
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Figur 42. Nethindeimplantater.
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Figur 43. Hjernebark.
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