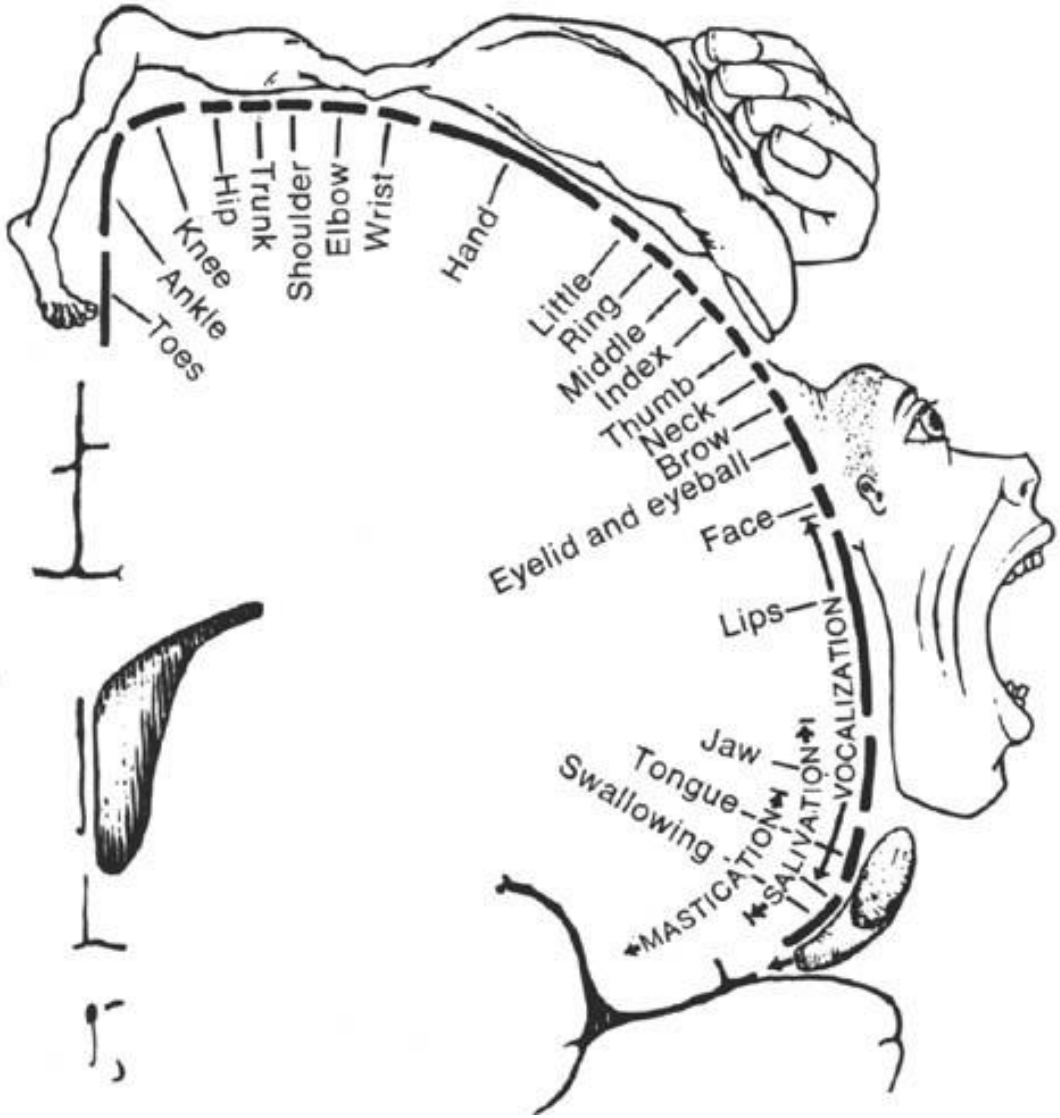
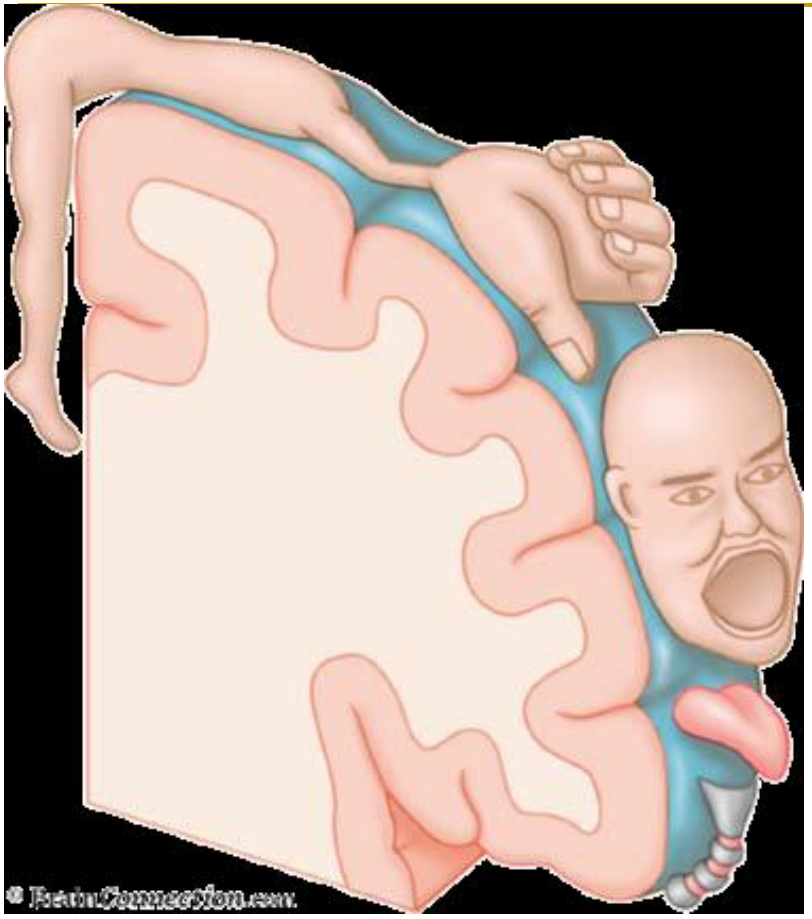
НЕВРОЛОШКИ СТАТУС

МОТИЛИТЕТ И СЕНЗИБИЛИТЕТ

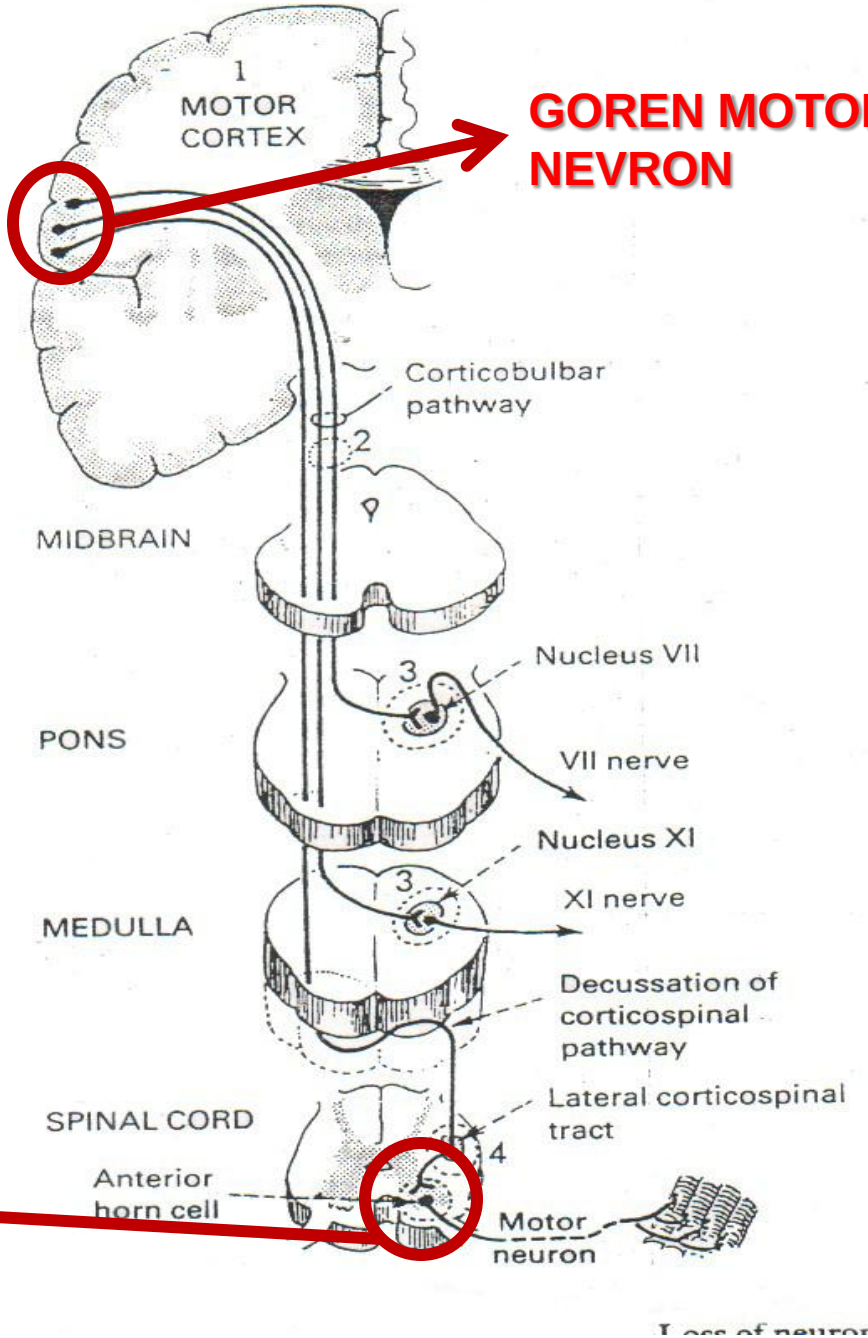
АРБЕН ТАРАВАРИ

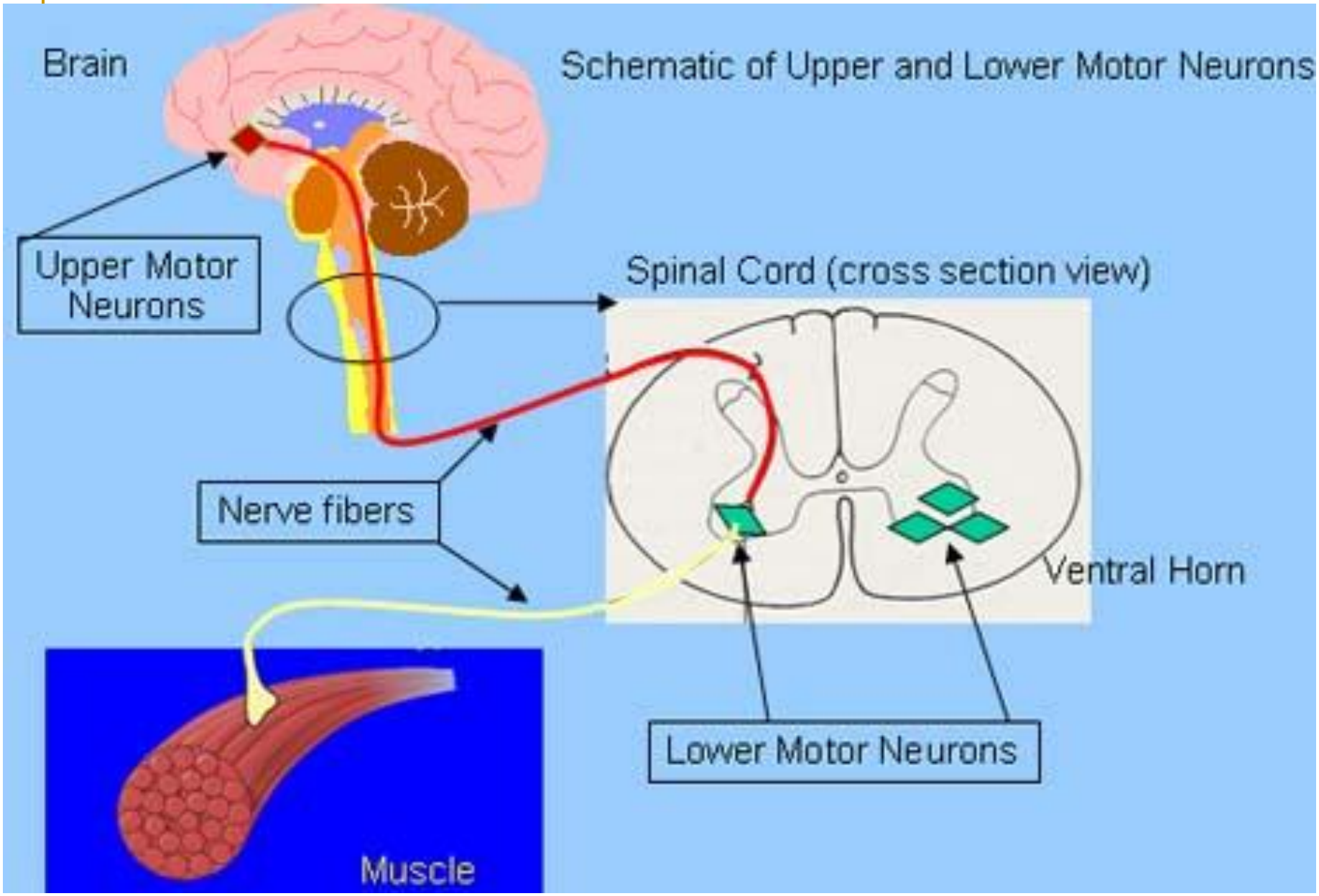

Toes
Ankle
Knee
Hip
Trunk
Shoulder
Elbow
Wrist
Hand
Little
Ring
Middle
Index
Thumb
Neck
Brow
Eyelid and eyeball
Face
Lips
VOCALIZATION
SALIVATION
MASTICATION
Swallowing
Tongue
Jaw



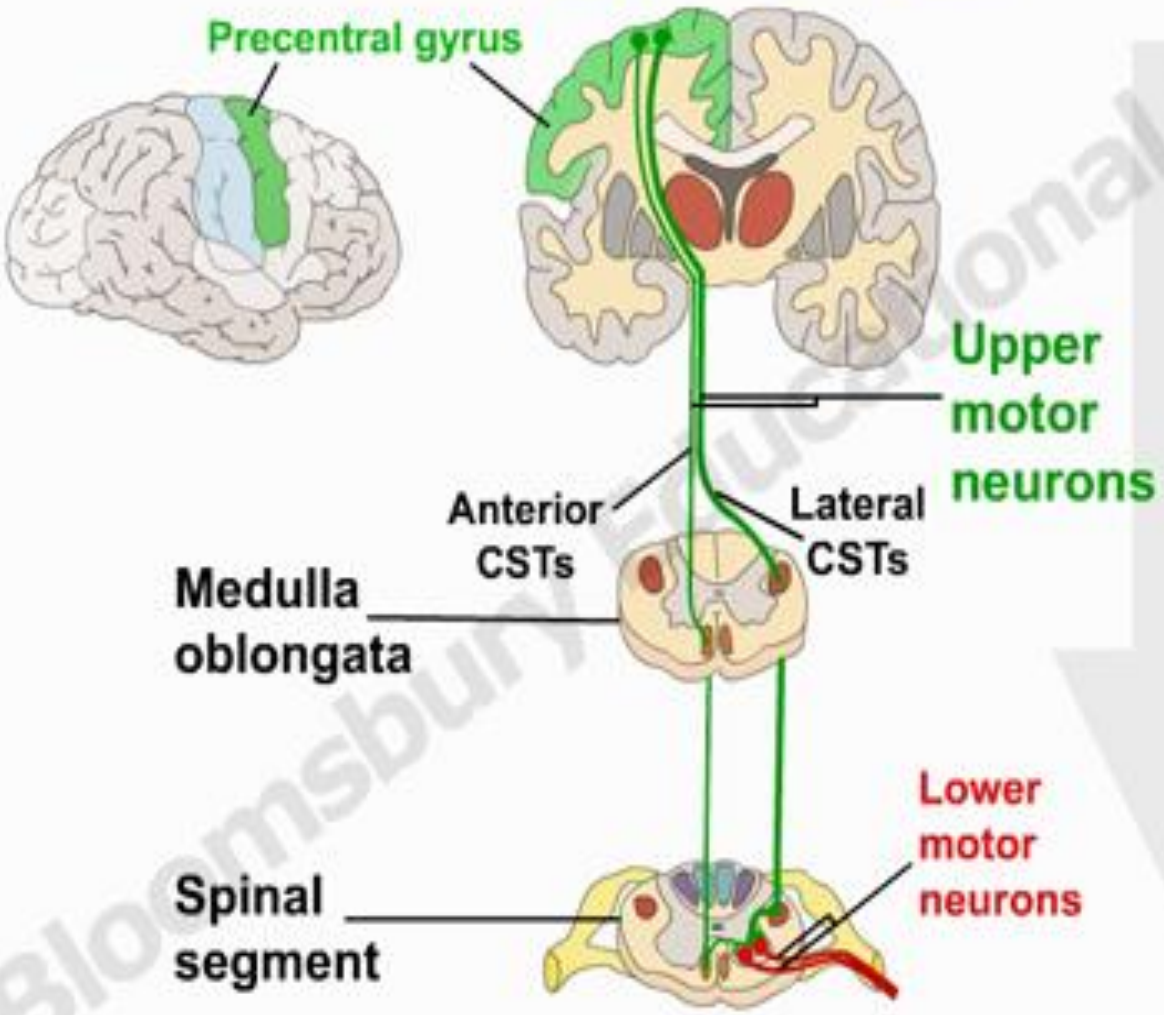


Tractus corticospinalis



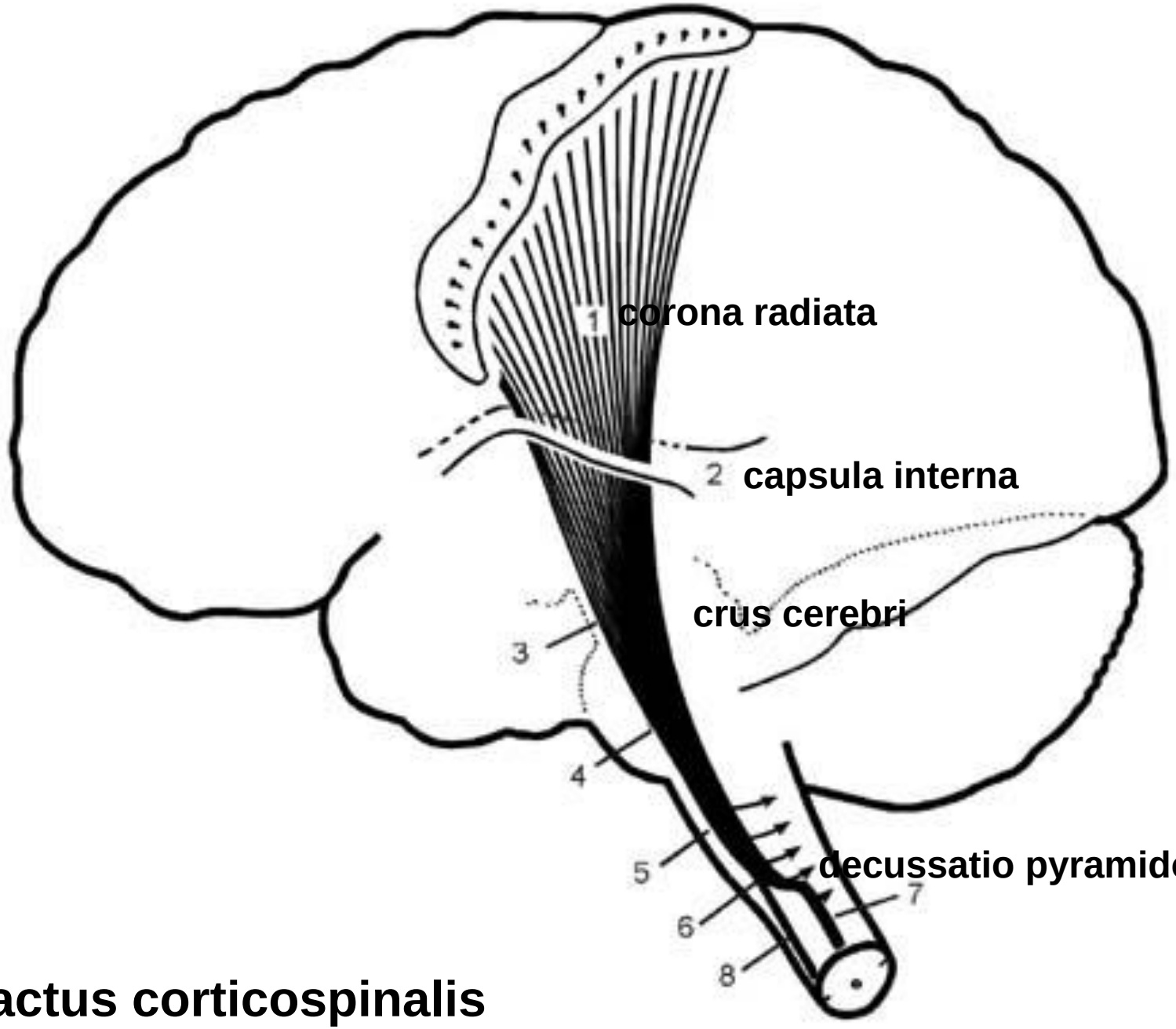

Brain
Schematic of Upper and Lower Motor Neurons
Upper Motor Neurons
Spinal Cord (cross section view)
Nerve fibers
Ventral Horn
Lower Motor Neurons
Muscle

Corticospinal tracts

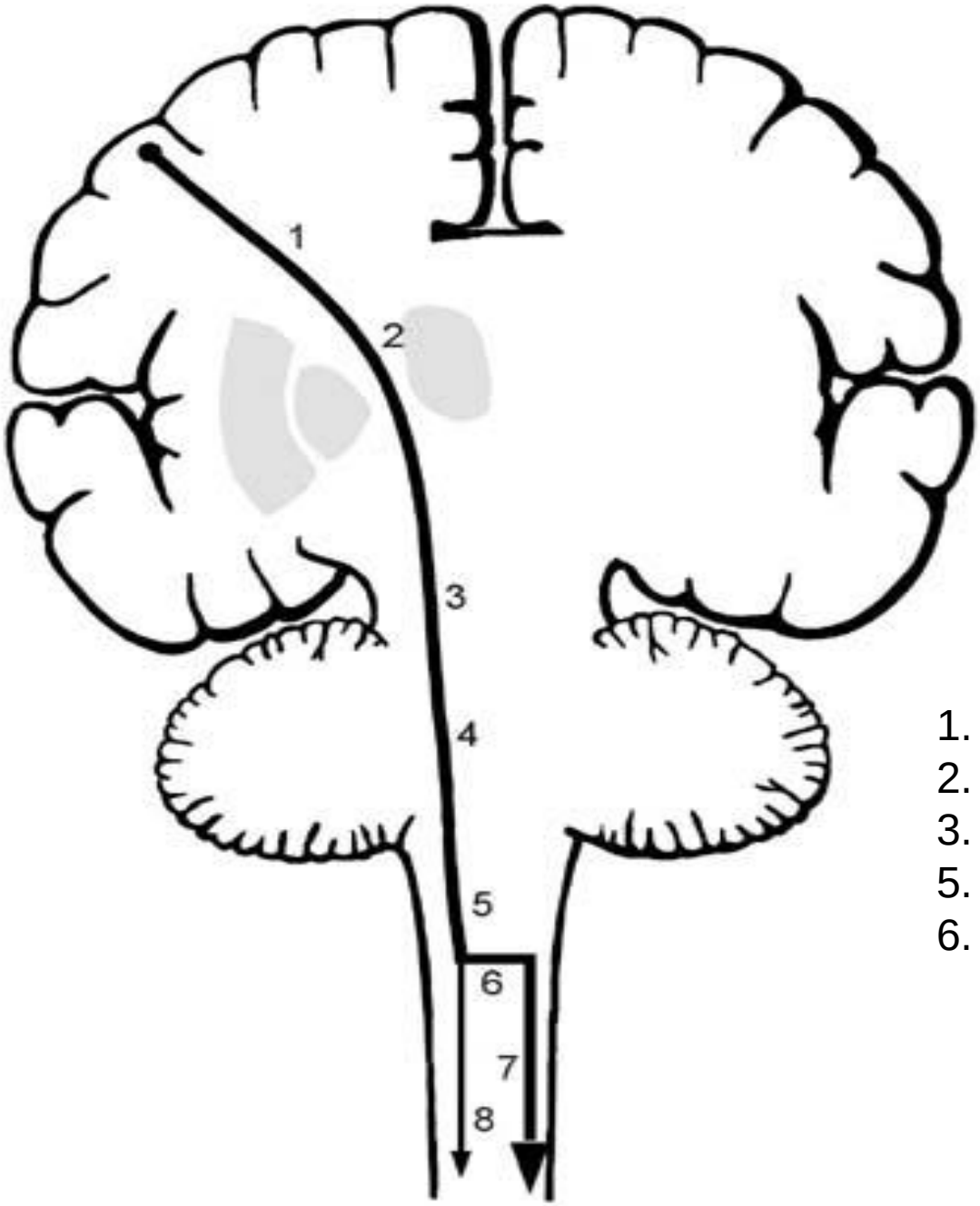


Bloomsbury Education Ltd

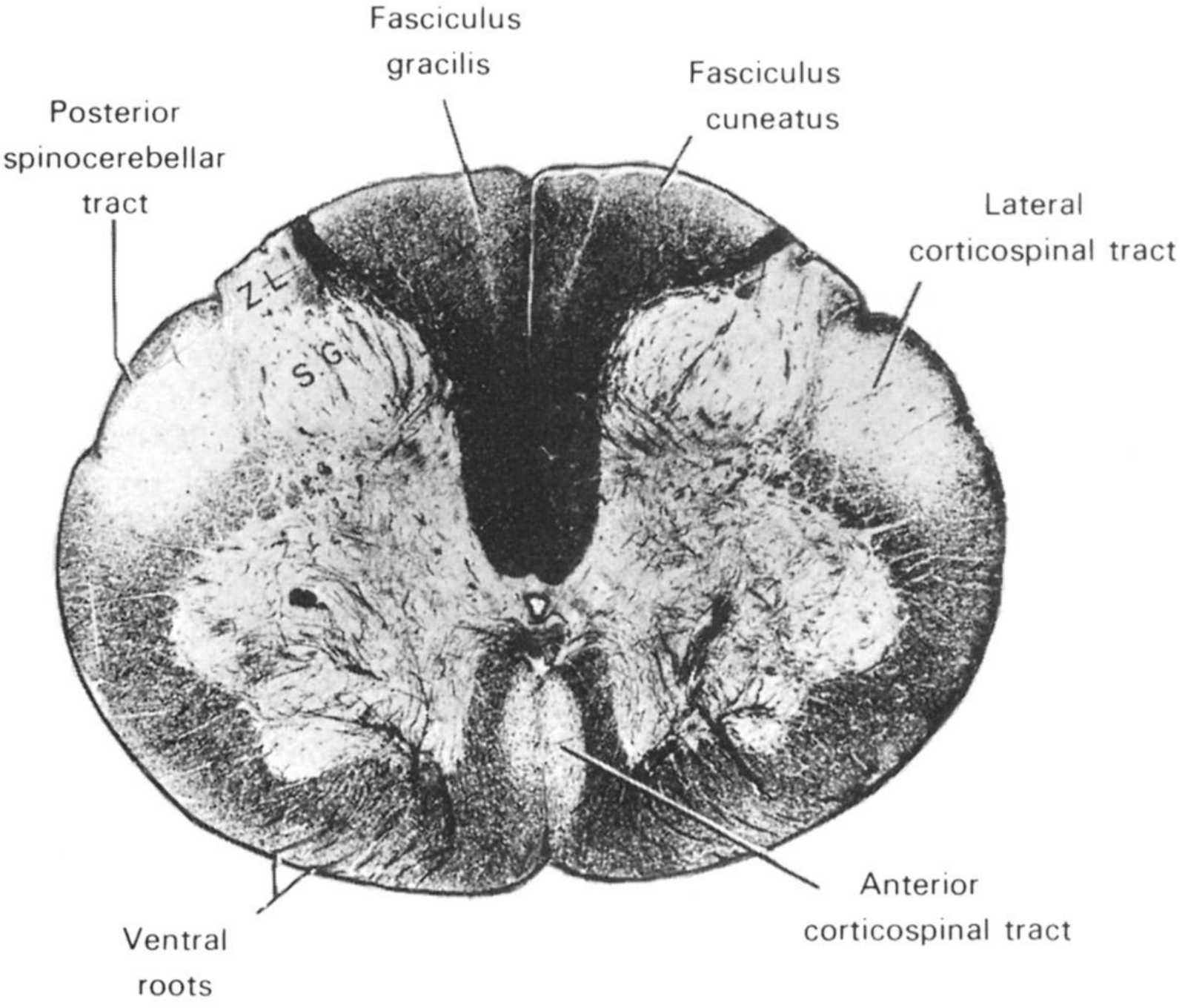
Pascalis Spyrou

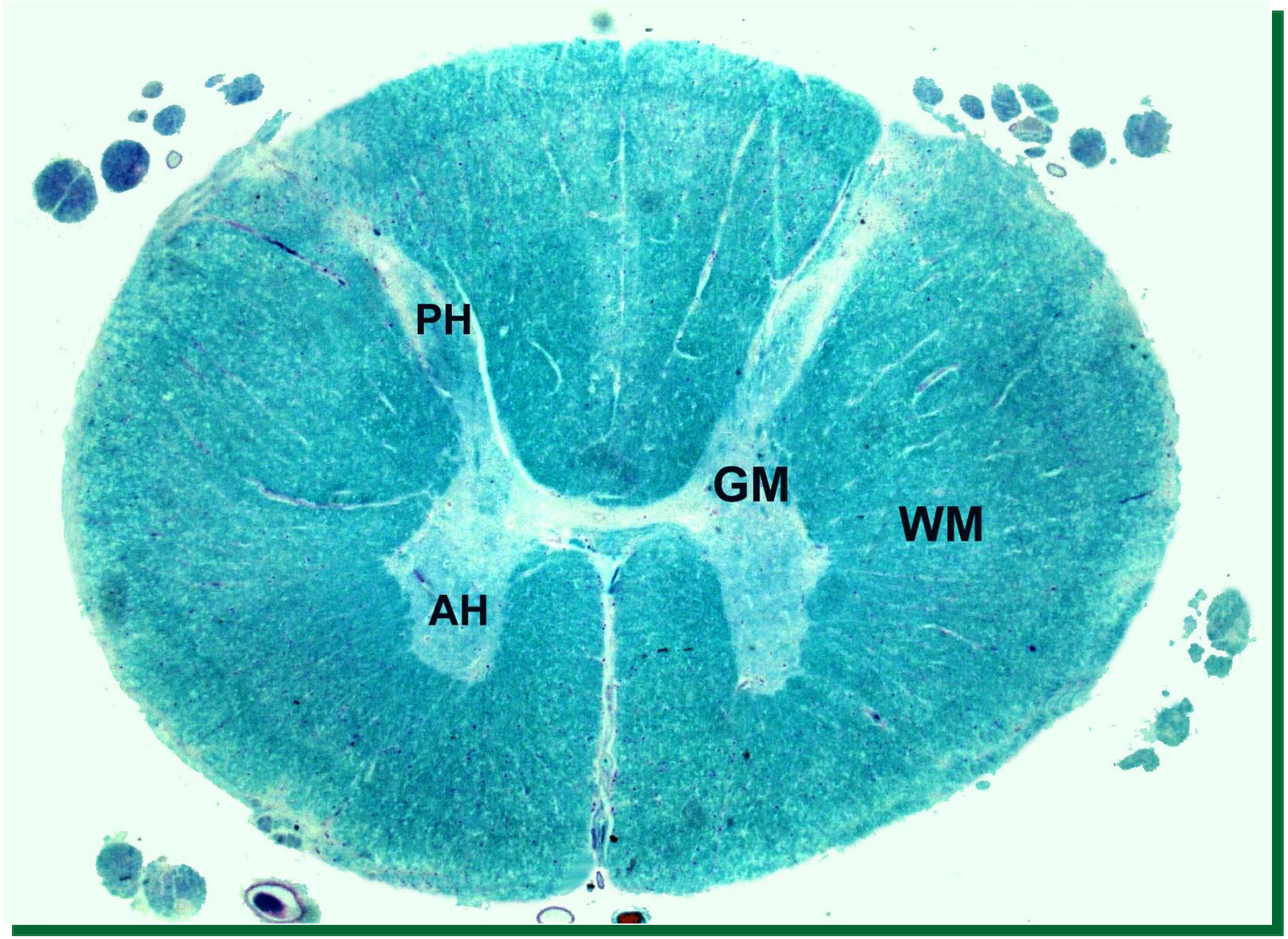


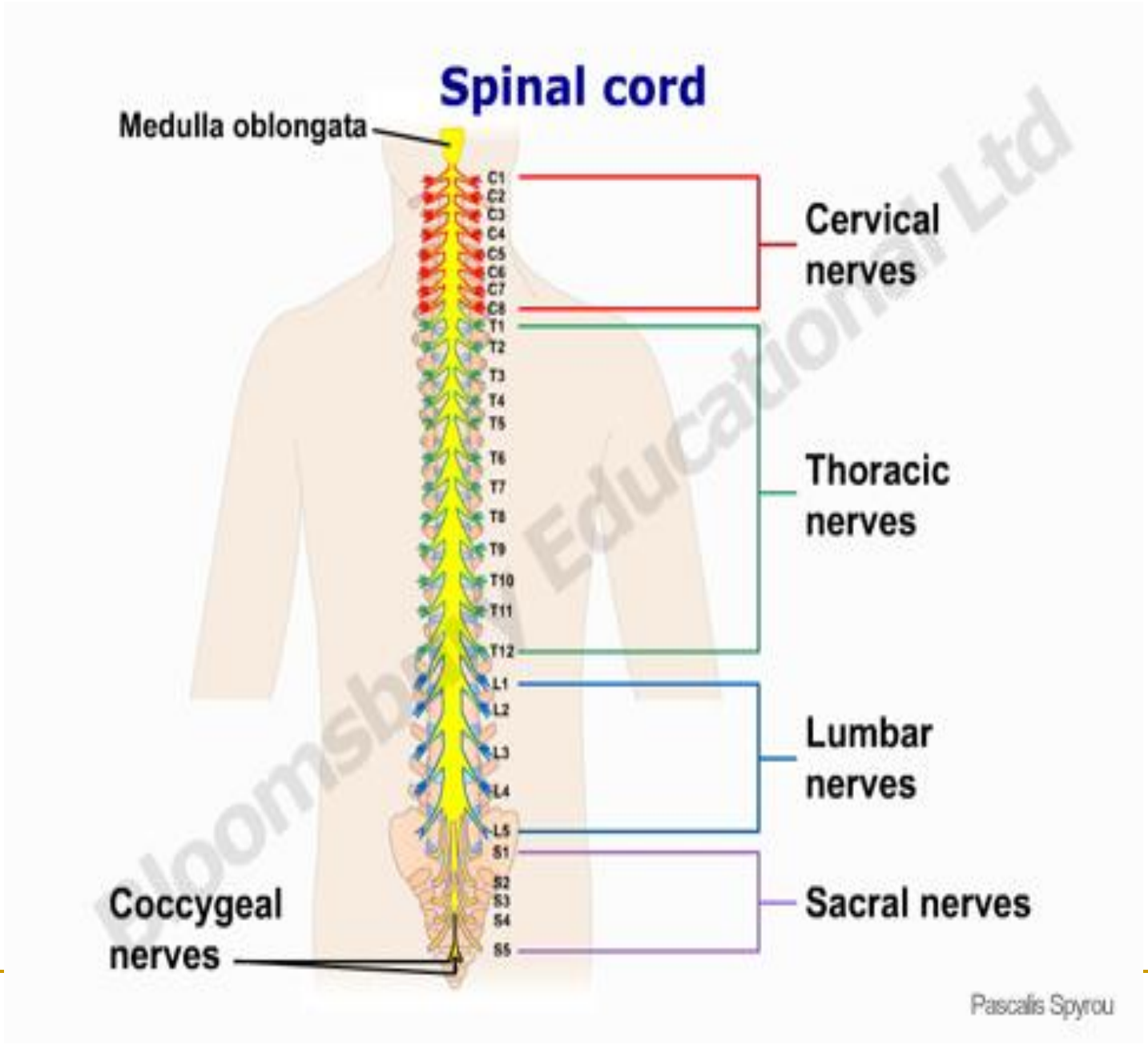
Tractus corticospinalis



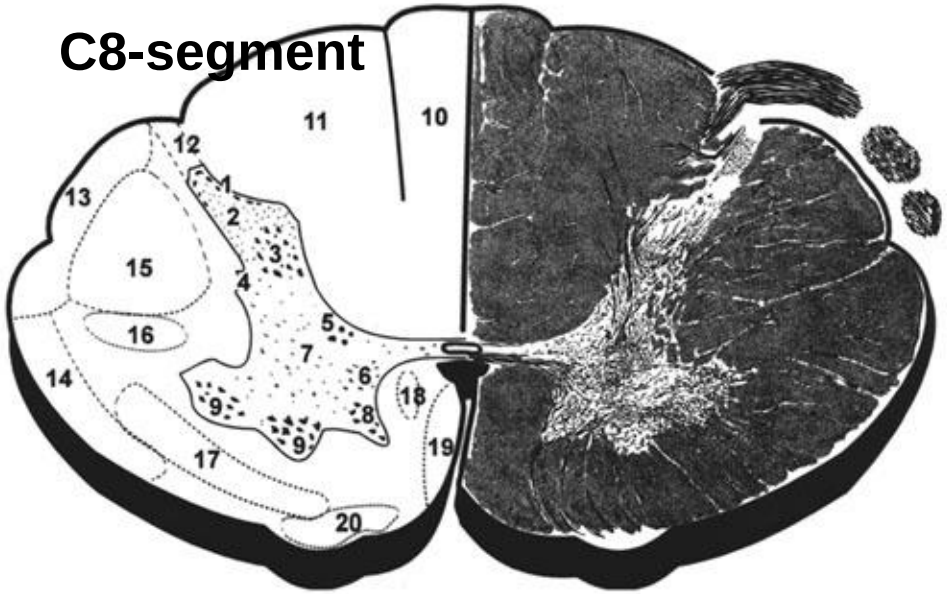
1. Corona radiata
2. Capsula interna
3. Crus cerebri
5. Pyramis
6. Deccussatio pyramidorum


Fasciculus gracilis
Fasciculus cuneatus
Posterior spinocerebellar tract
Lateral corticospinal tract
Anterior corticospinal tract
Ventral roots

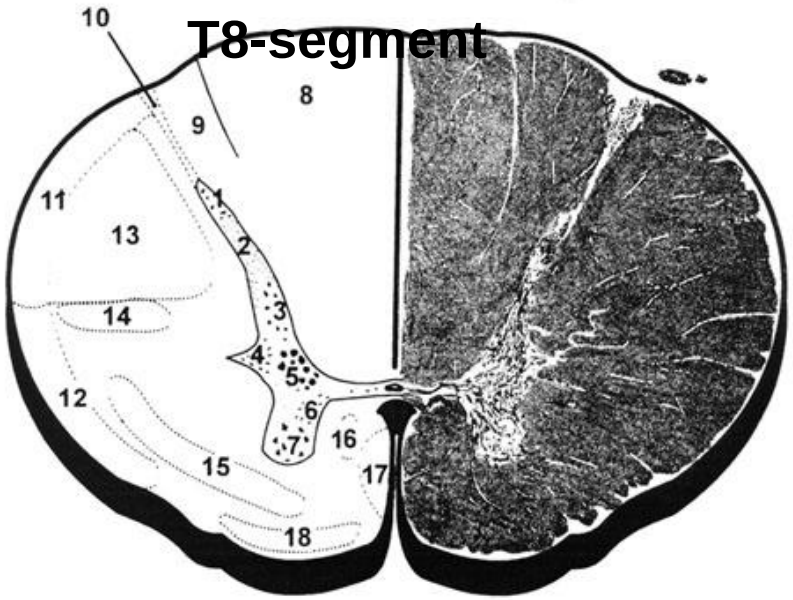

PH
GM
WM
AH

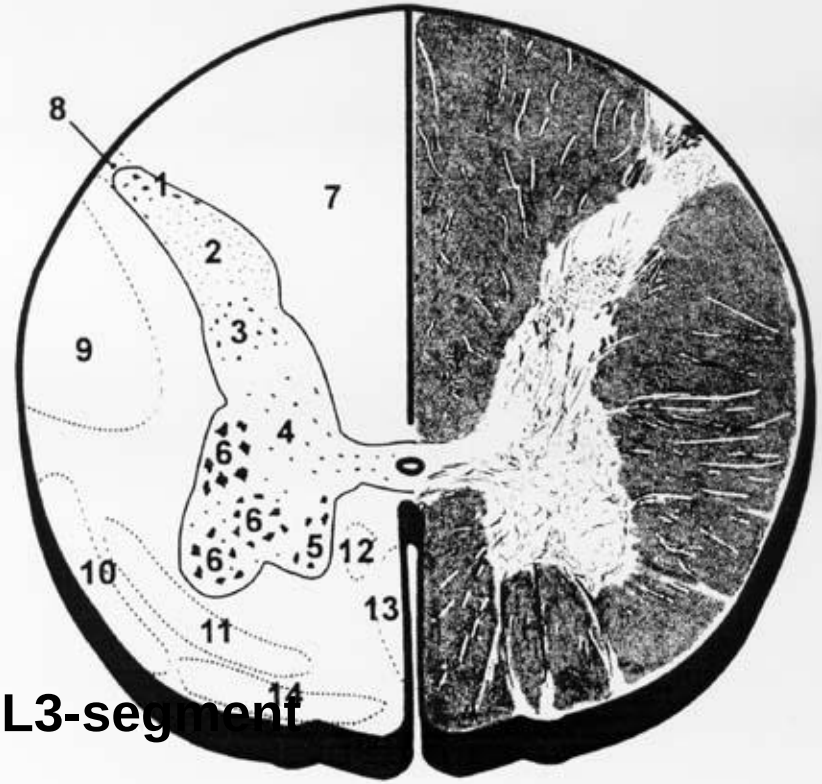

Spinal cord
Medulla oblongata
C1
C2
C3
C4
C5
C6
C7
C8
T1
T2
T3
T4
T5
T6
T7
T8
T9
T10
T11
T12
L1
L2
L3
L4
L5
S1
S2
S3
S4
S5
Cervical nerves
Thoracic nerves
Lumbar nerves
Sacral nerves
Coccygeal nerves
Pascalis Spyrou

C8-segment

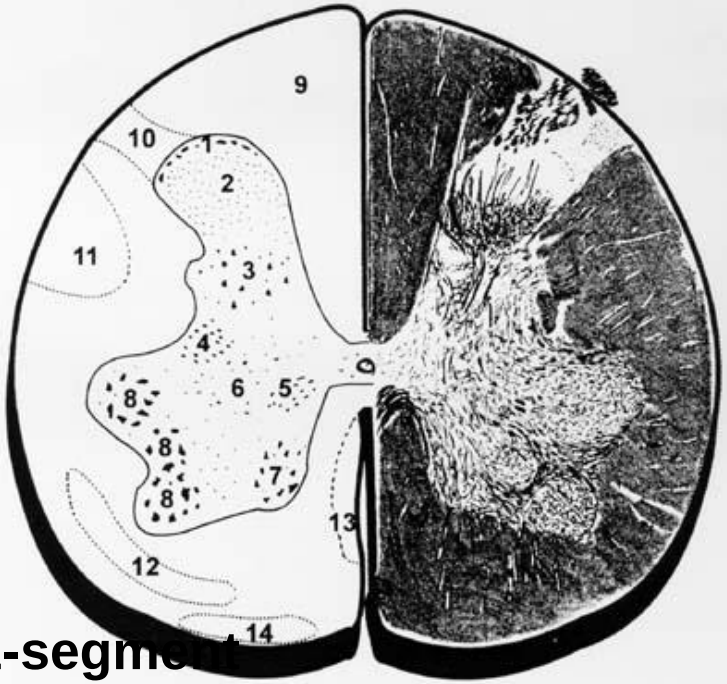


T8-segment

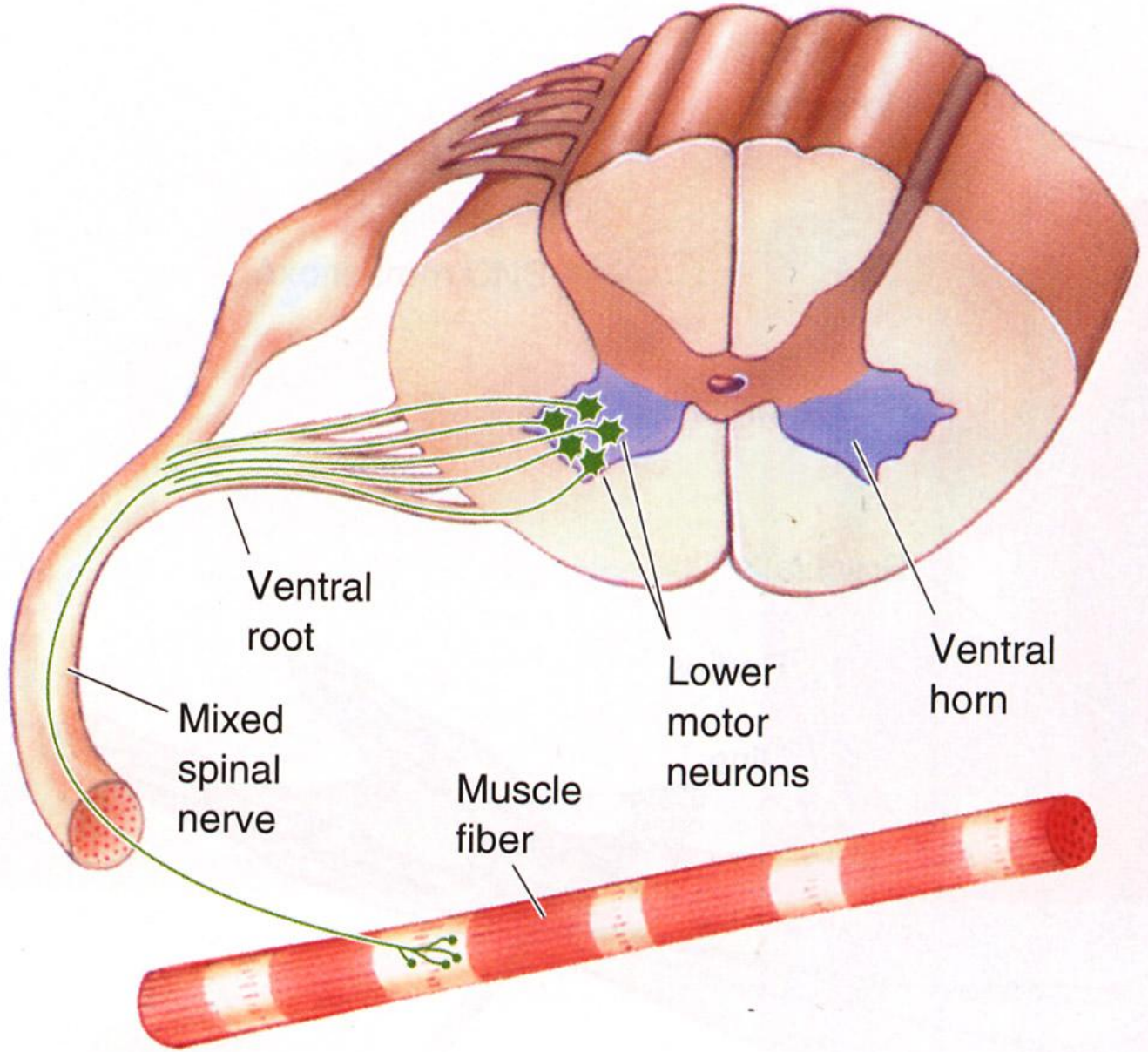


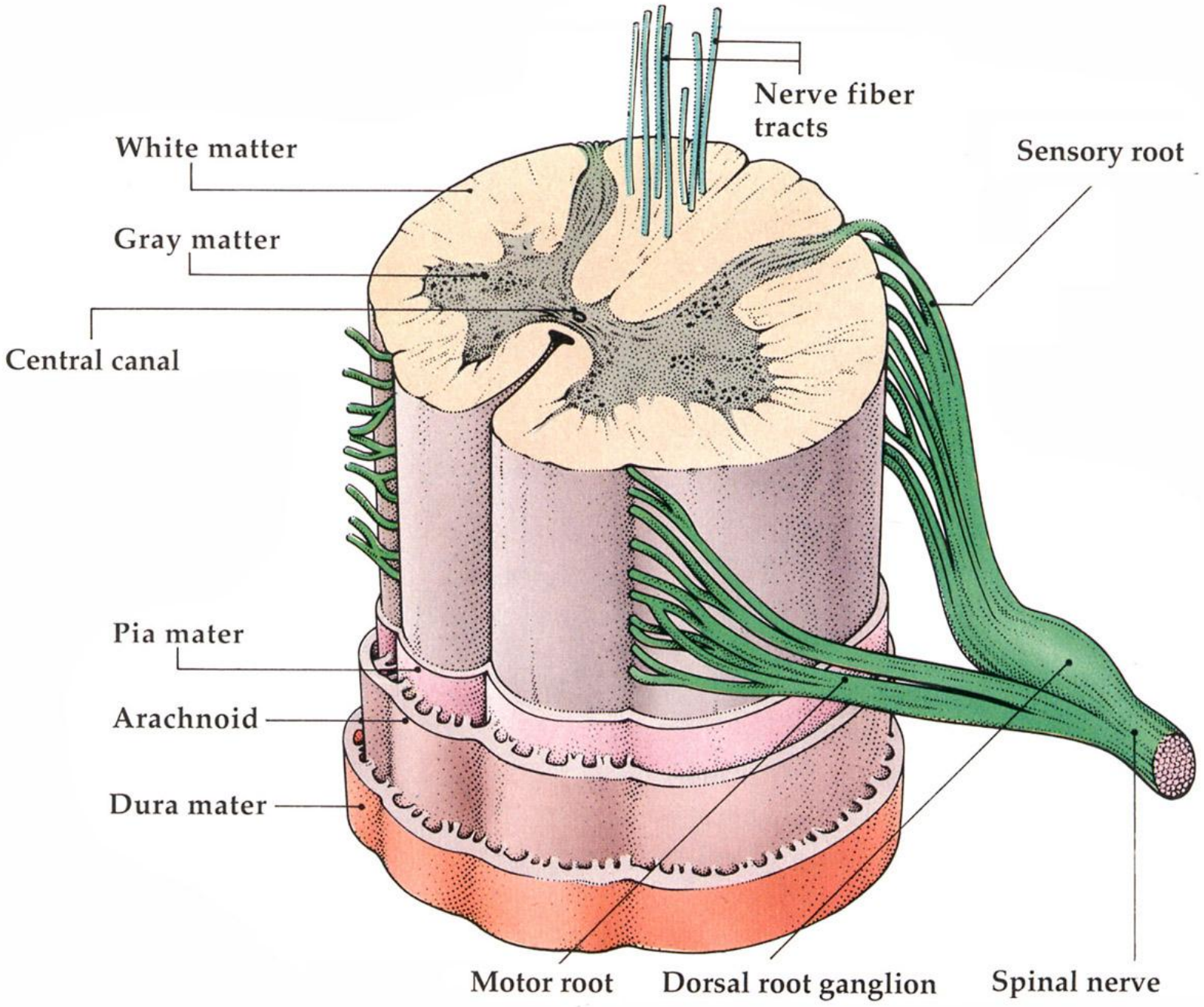


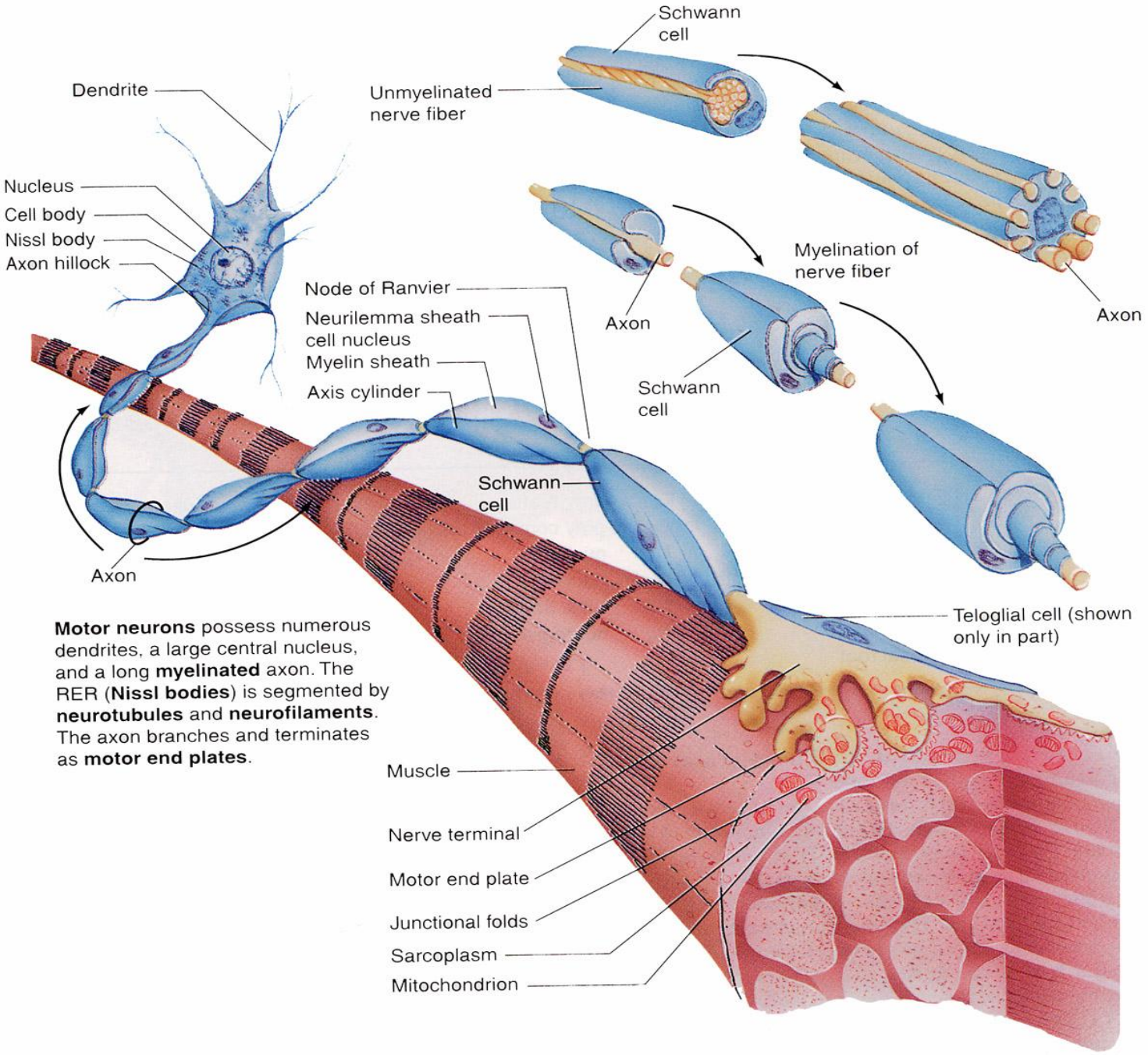
L3-segment



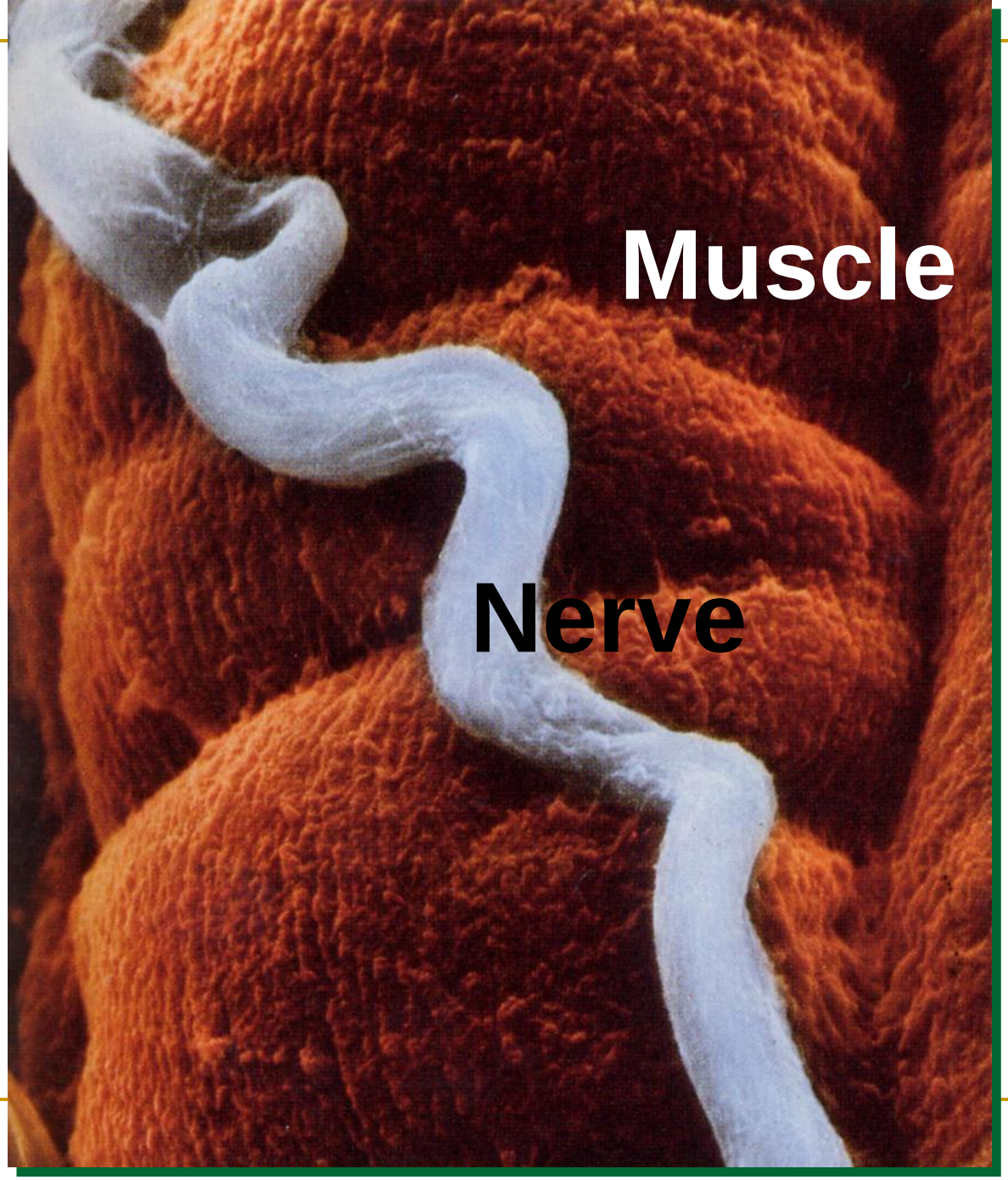
S1-segment


Ventral root
Mixed spinal nerve
Muscle fiber
Lower motor neurons
Ventral horn

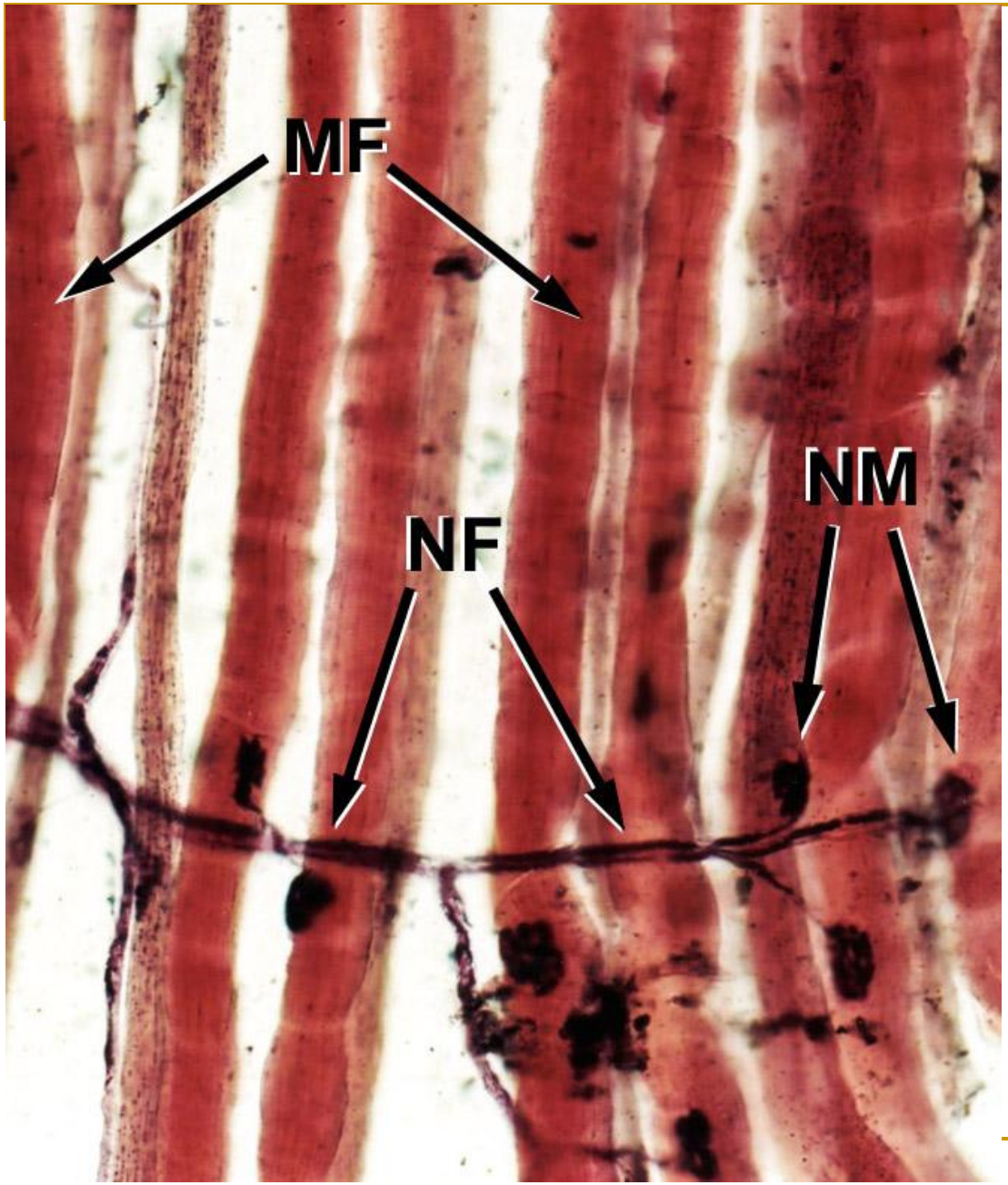

Nerve fiber tracts
White matter
Sensory root
Gray matter
Central canal
Pia mater
Arachnoid
Dura mater
Motor root
Dorsal root ganglion
Spinal nerve



Motor neurons possess numerous dendrites, a large central nucleus, and a long **myelinated** axon. The RER (**Nissl bodies**) is segmented by **neurotubules** and **neurofilaments**. The axon branches and terminates as **motor end plates**.


Muscle
Nerve


мускул
невромускулна плоча (спој)
нерв



МФ мускулни влакна

НФ нервни влакна

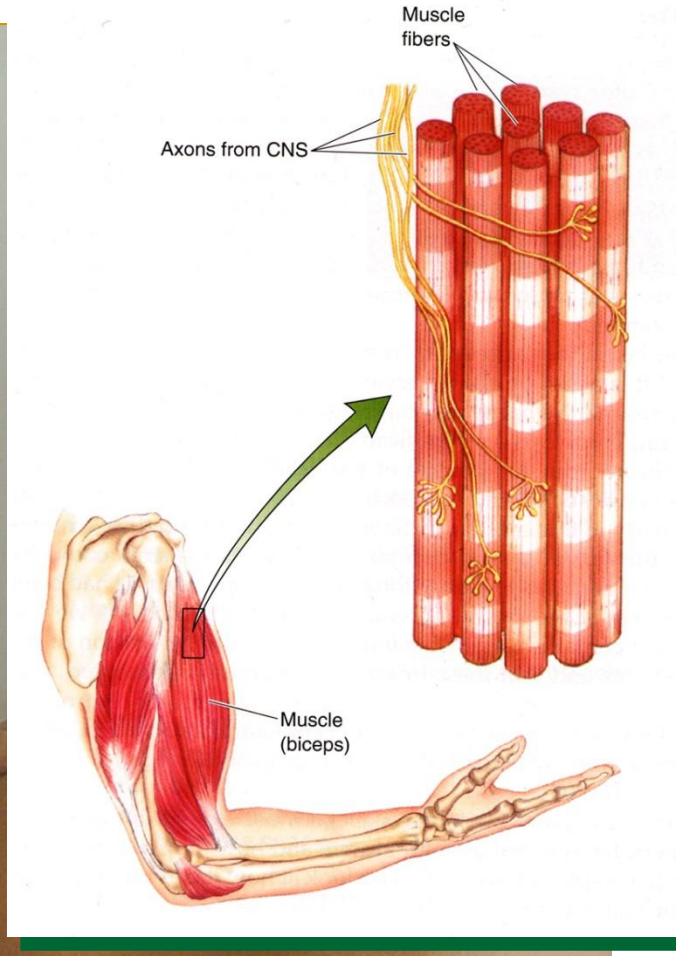
НМ невромускулни плочи

МОТИЛИТЕТ

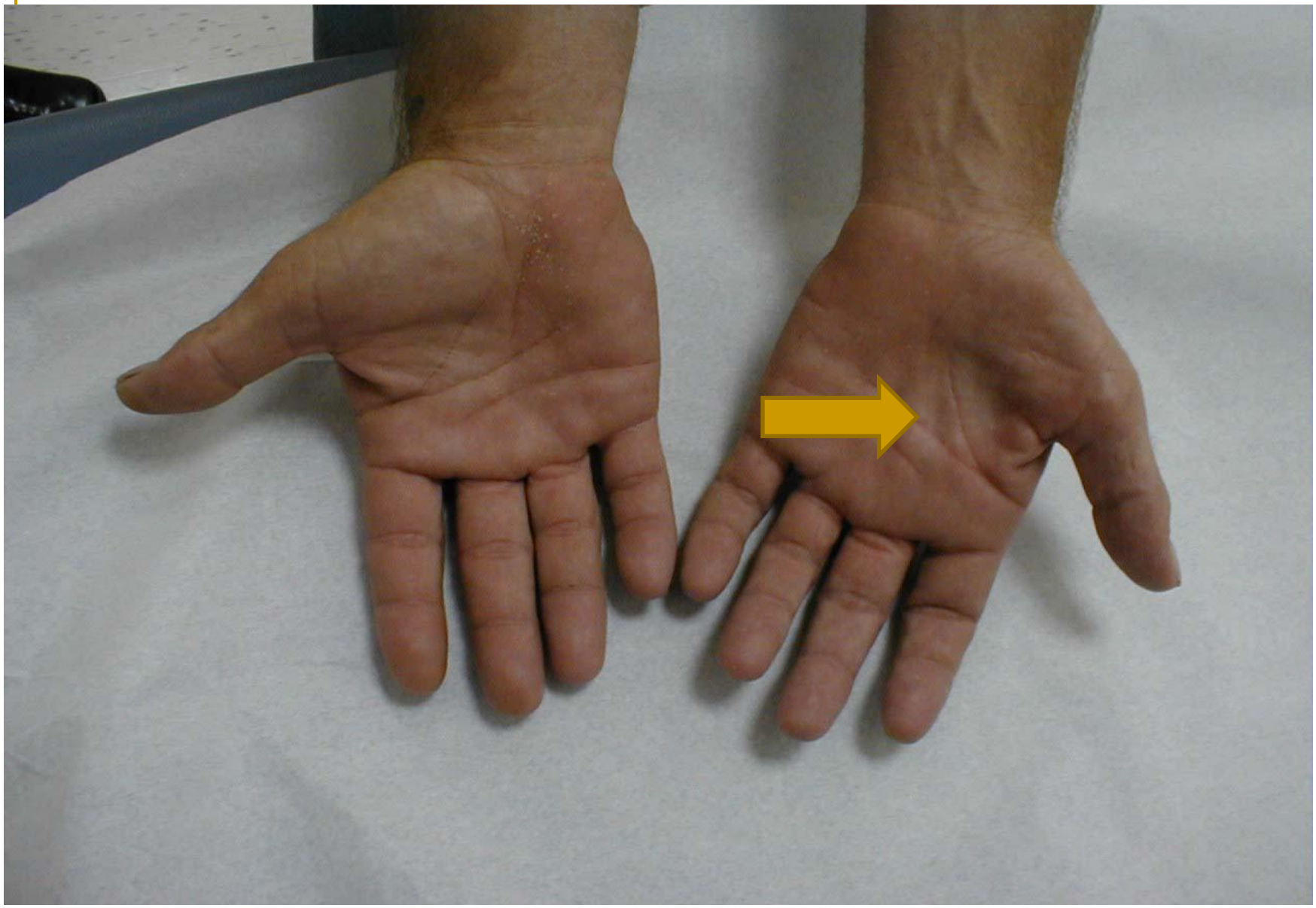
- Неволни движења
- Груба моторна снага
- Кординациони проби
- Трофика
- Тонус
- Дијадохокинеза
- Позициони положби


18/11/2004





18/11/2004

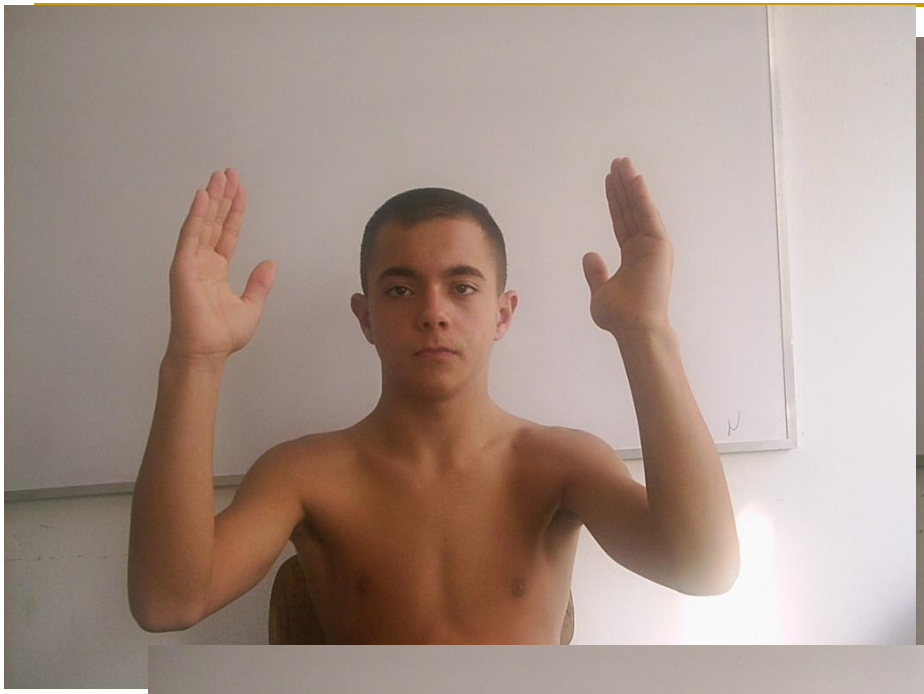


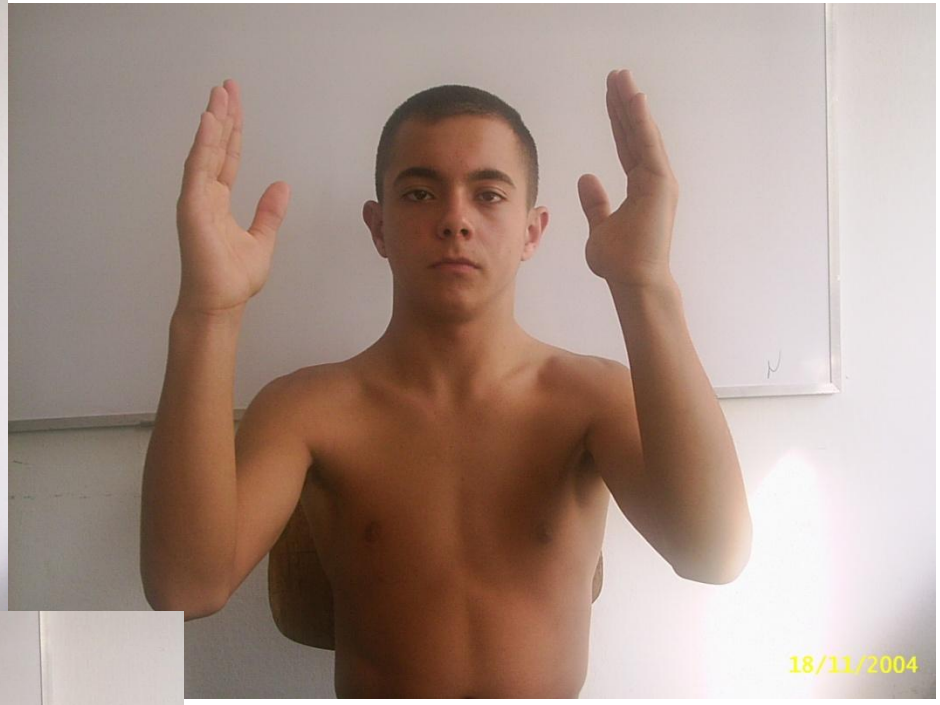

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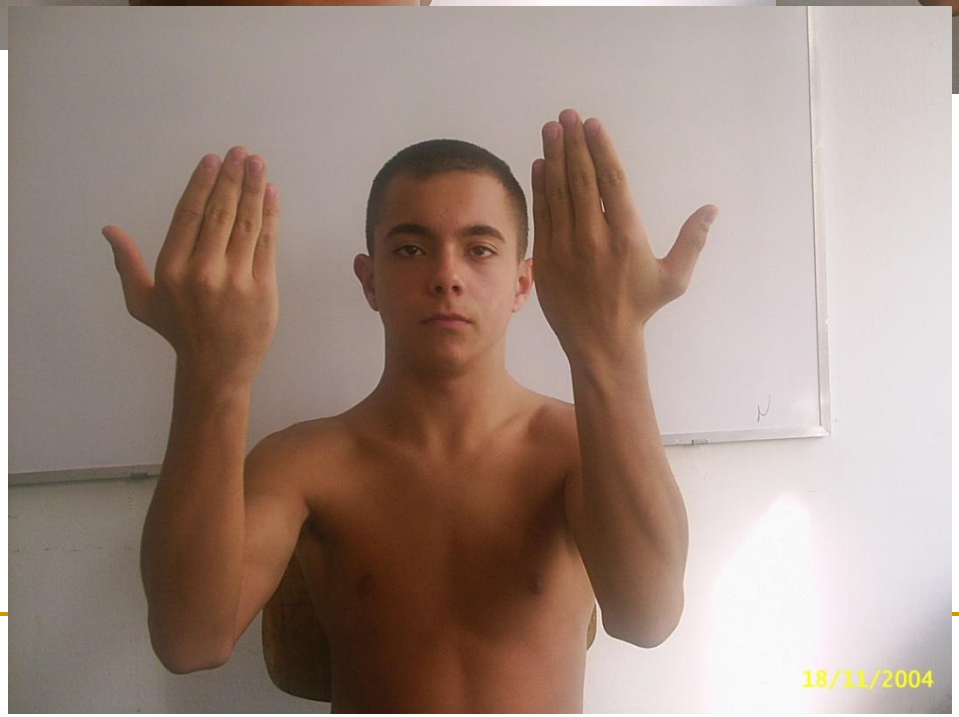

18/11/2004


18/11/2004


18/11/2004




18/11/2004


18/11/2004



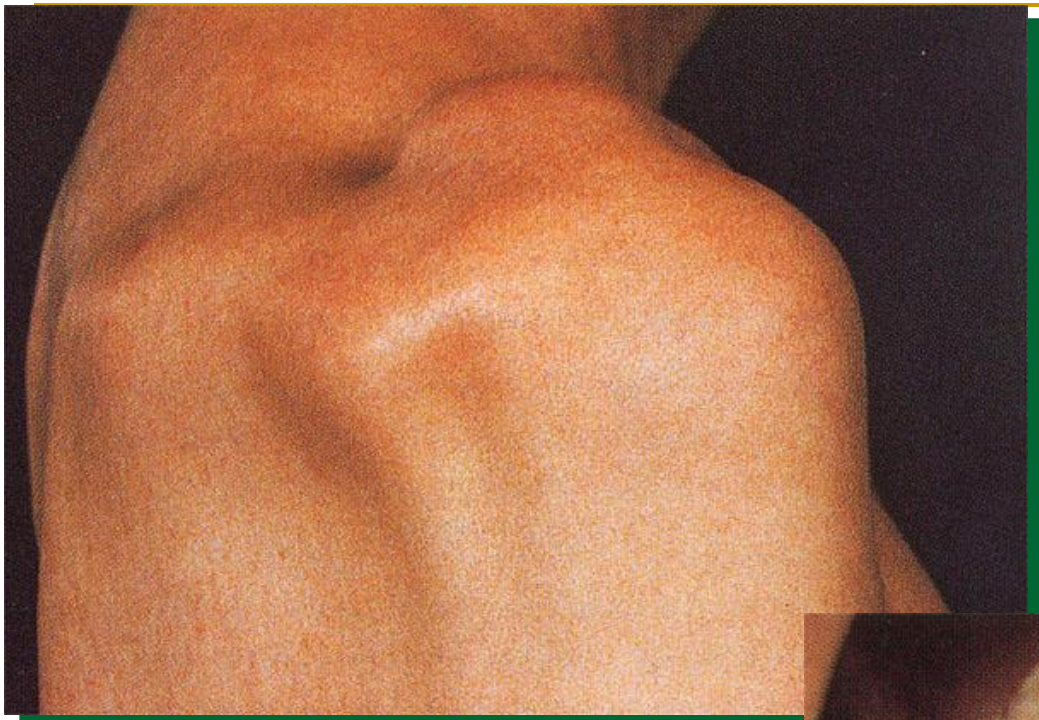

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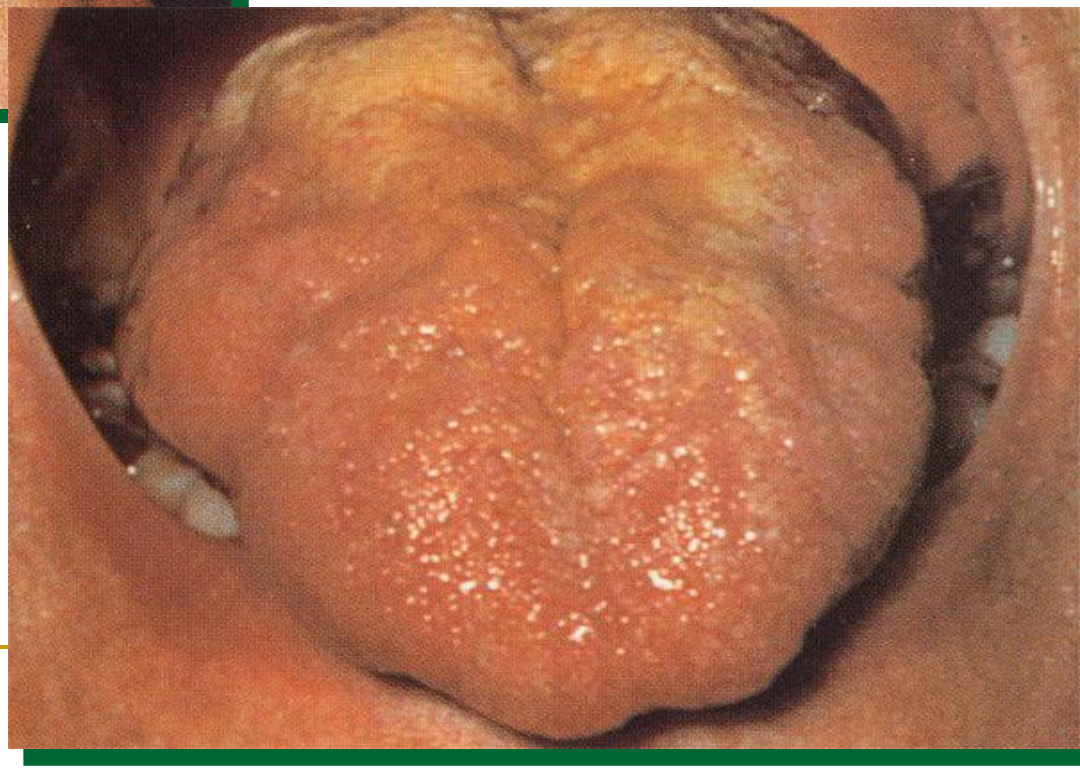

18/11/2004


18/11/2004


18/11/2004

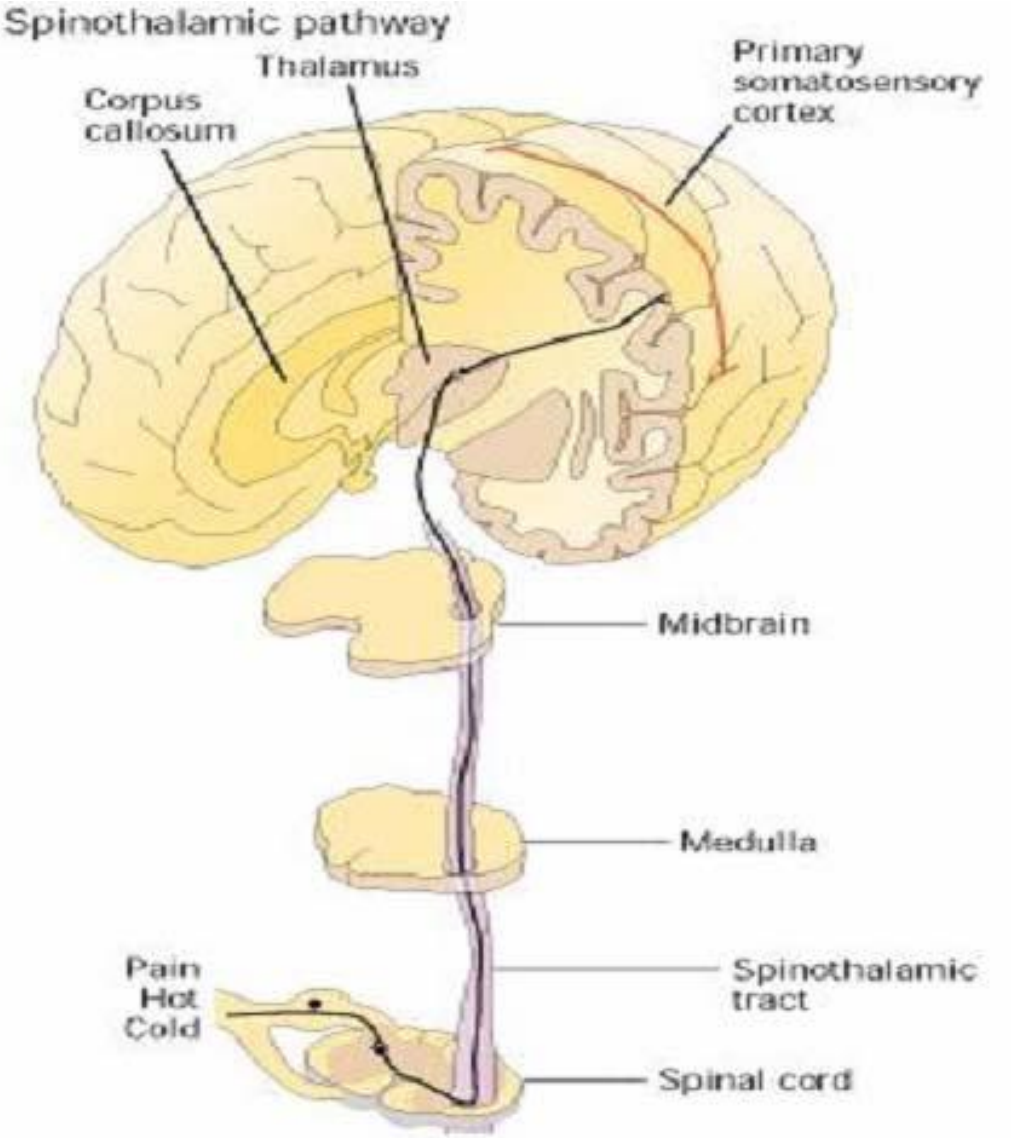
Мускулна атрофија



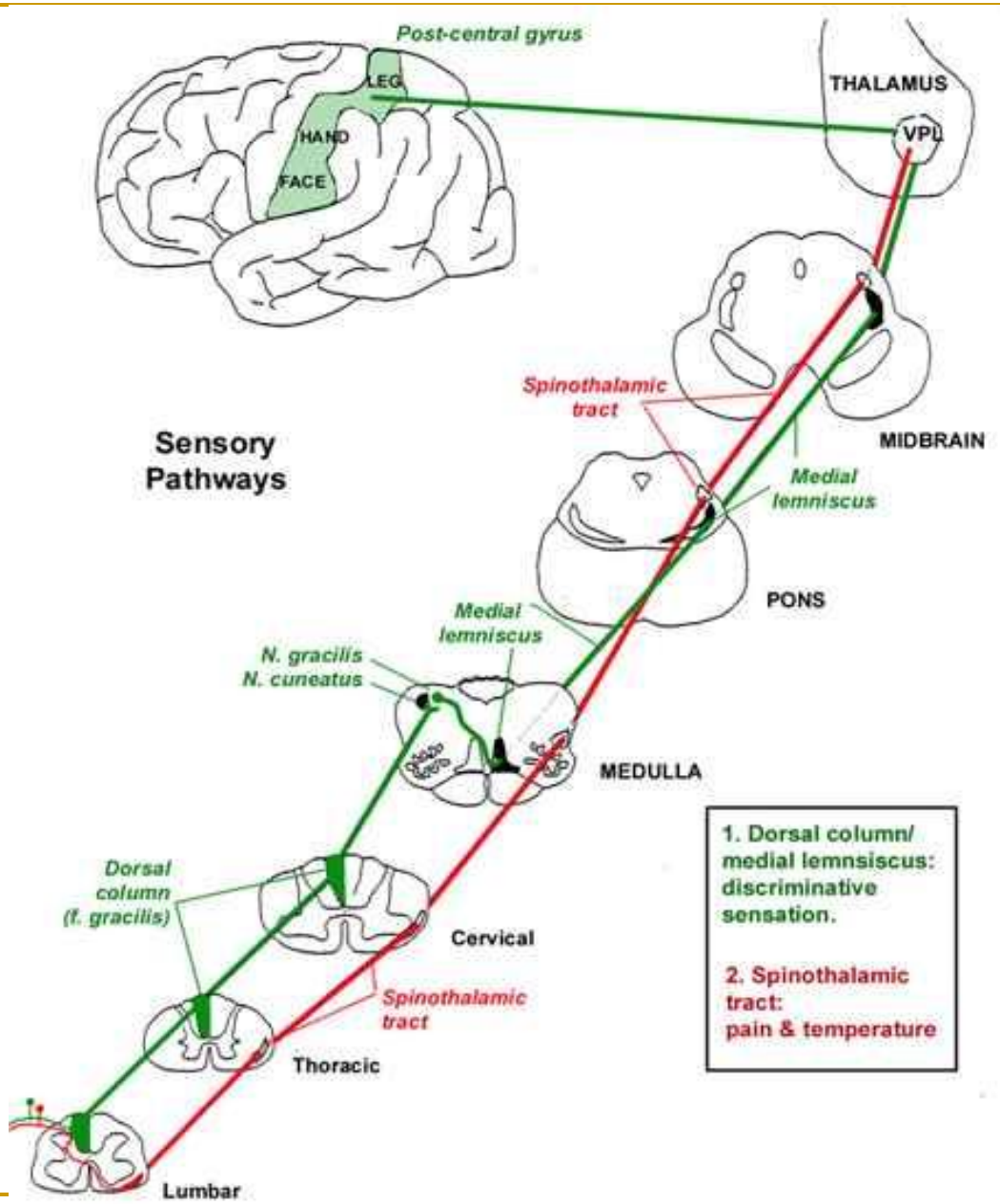


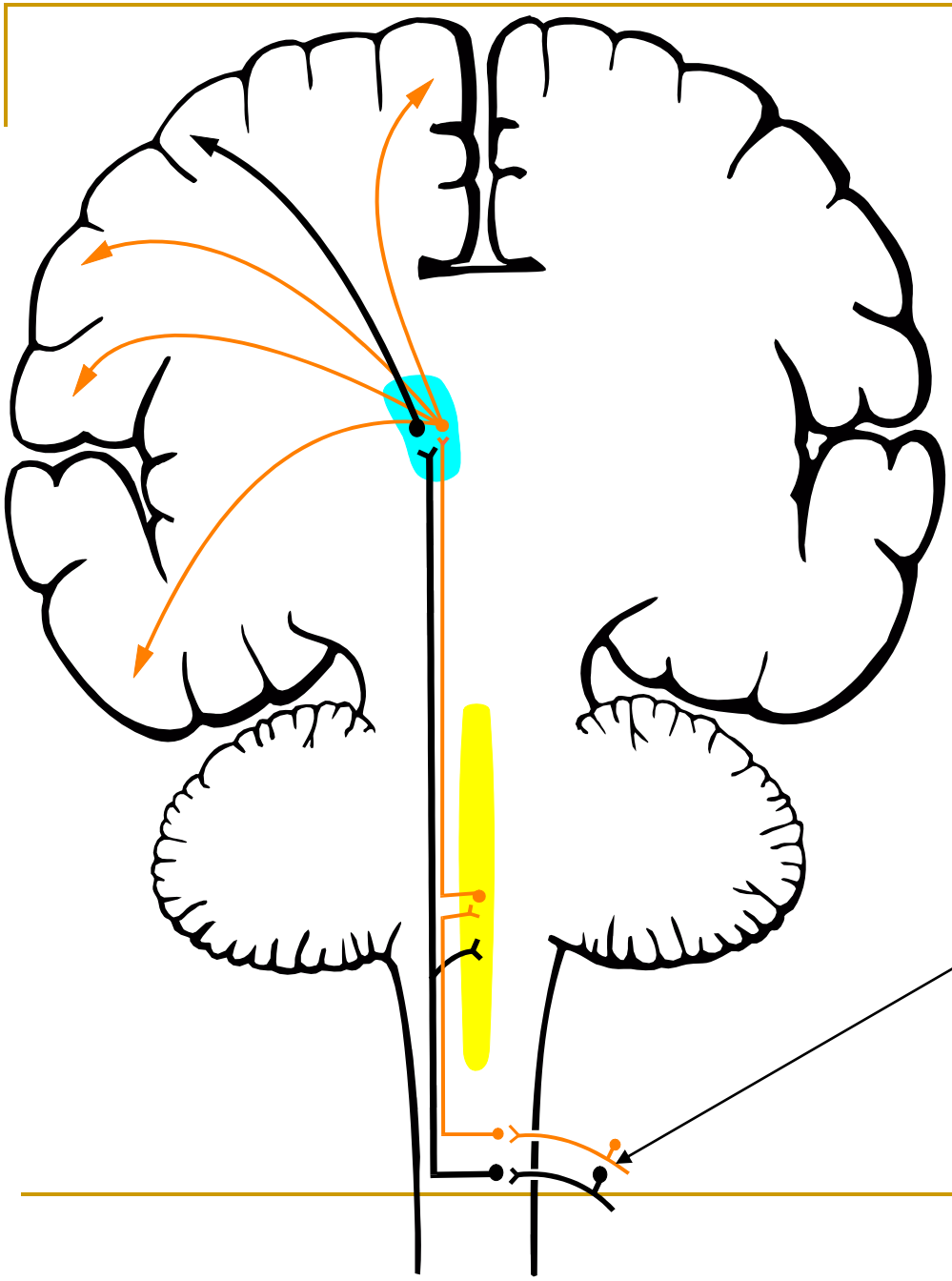
СЕНЗИБИЛТЕТ

- Површен сензибилитет (допир, притисок, болка, топло, ладно)
- Длабок сензибилитет (вибрација, за положба и движење)
- Laseque
- Lermithe
- Romberge

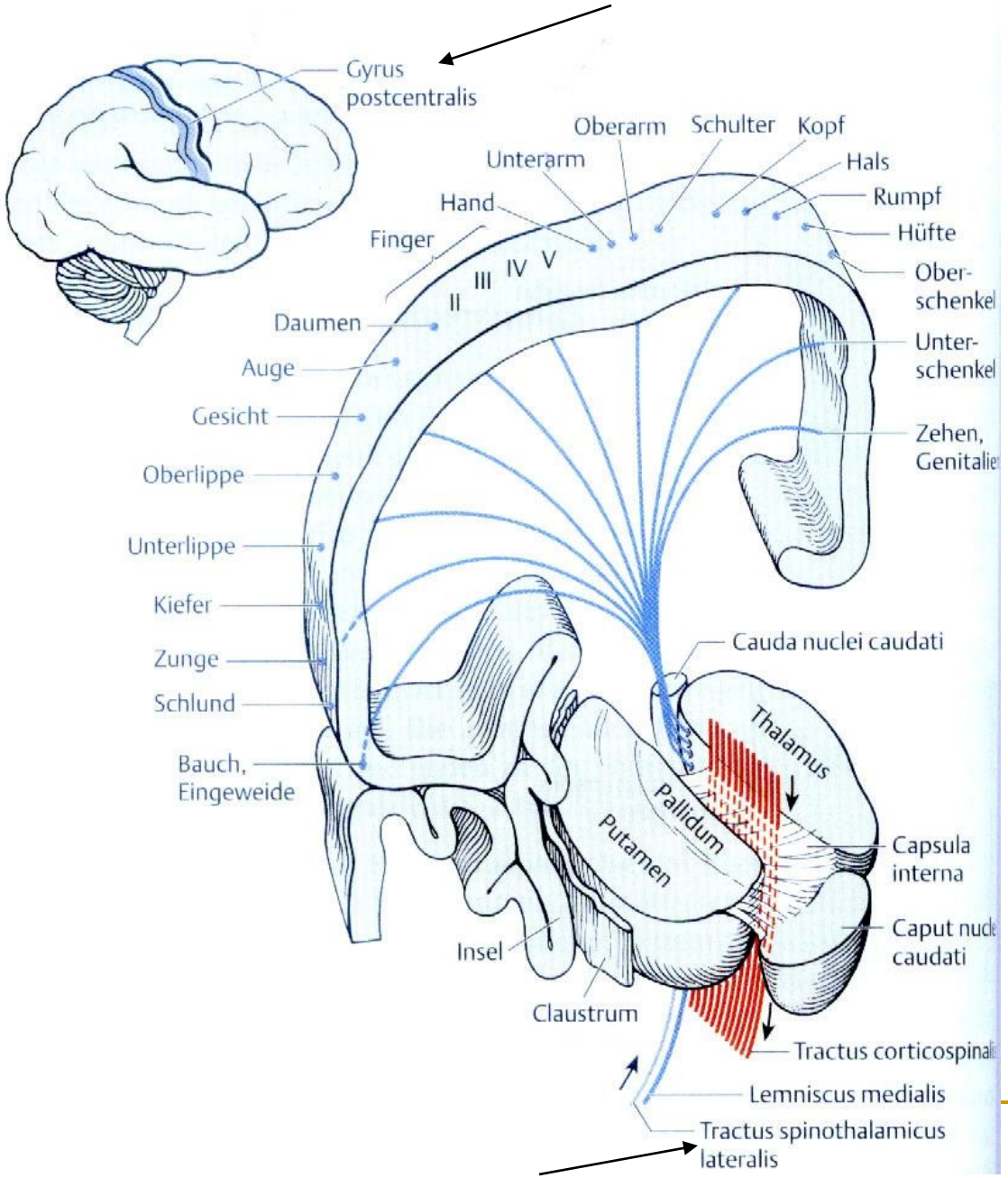


Tractus spinothalamicus

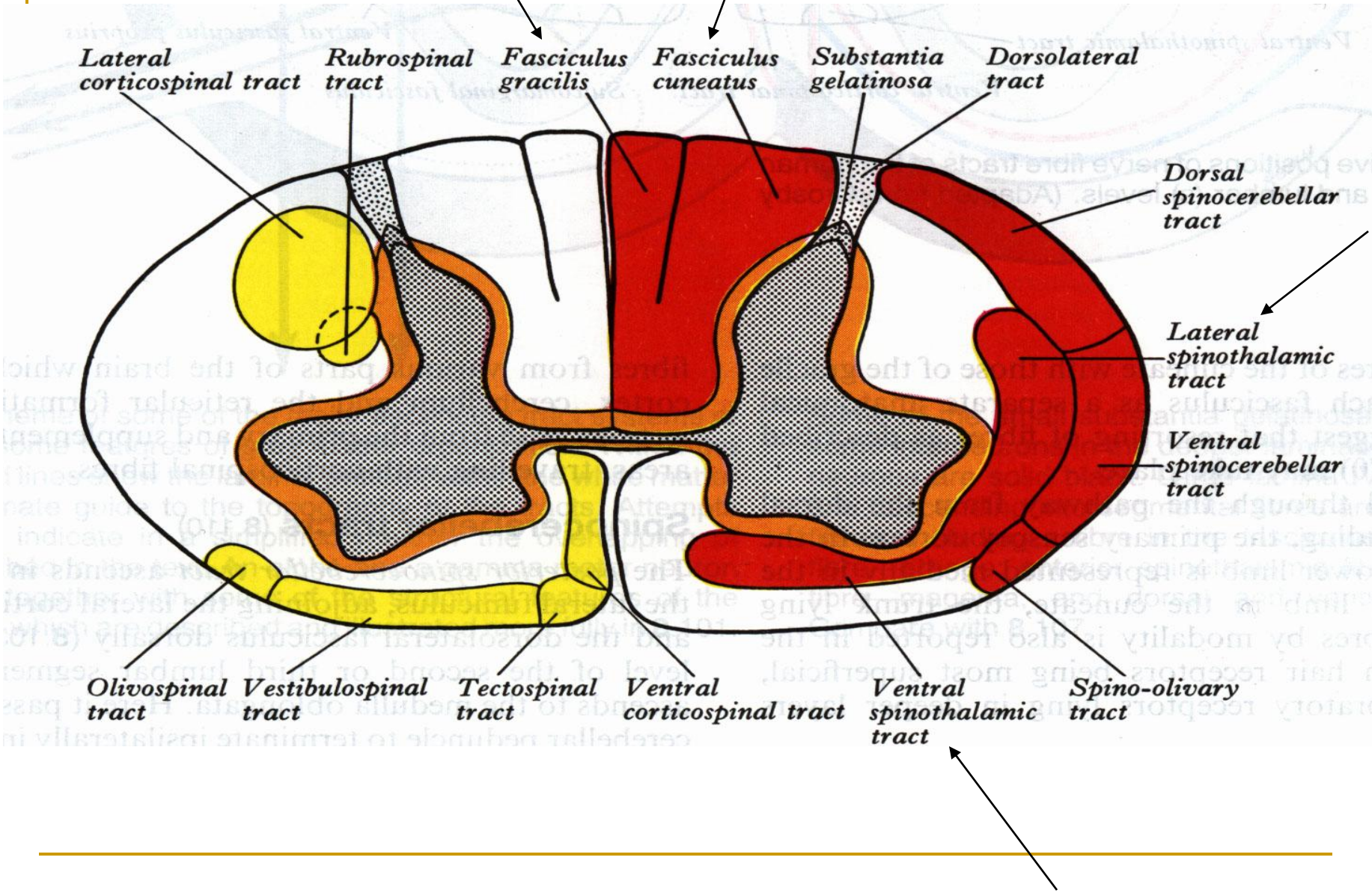

Post-central gyrus
LEG
HAND
FACE
THALAMUS
VPL
Spinothalamic tract
MIDBRAIN
Sensory Pathways
Medial lemniscus
PONS
Medial lemniscus
N. gracilis
N. cuneatus
MEDULLA
1. Dorsal column/ medial lemnsiscus: discriminative sensation.
2. Spinothalamic tract: pain & temperature
Dorsal column (f. gracilis)
Cervical
Spinothalamic tract
Thoracic
Lumbar

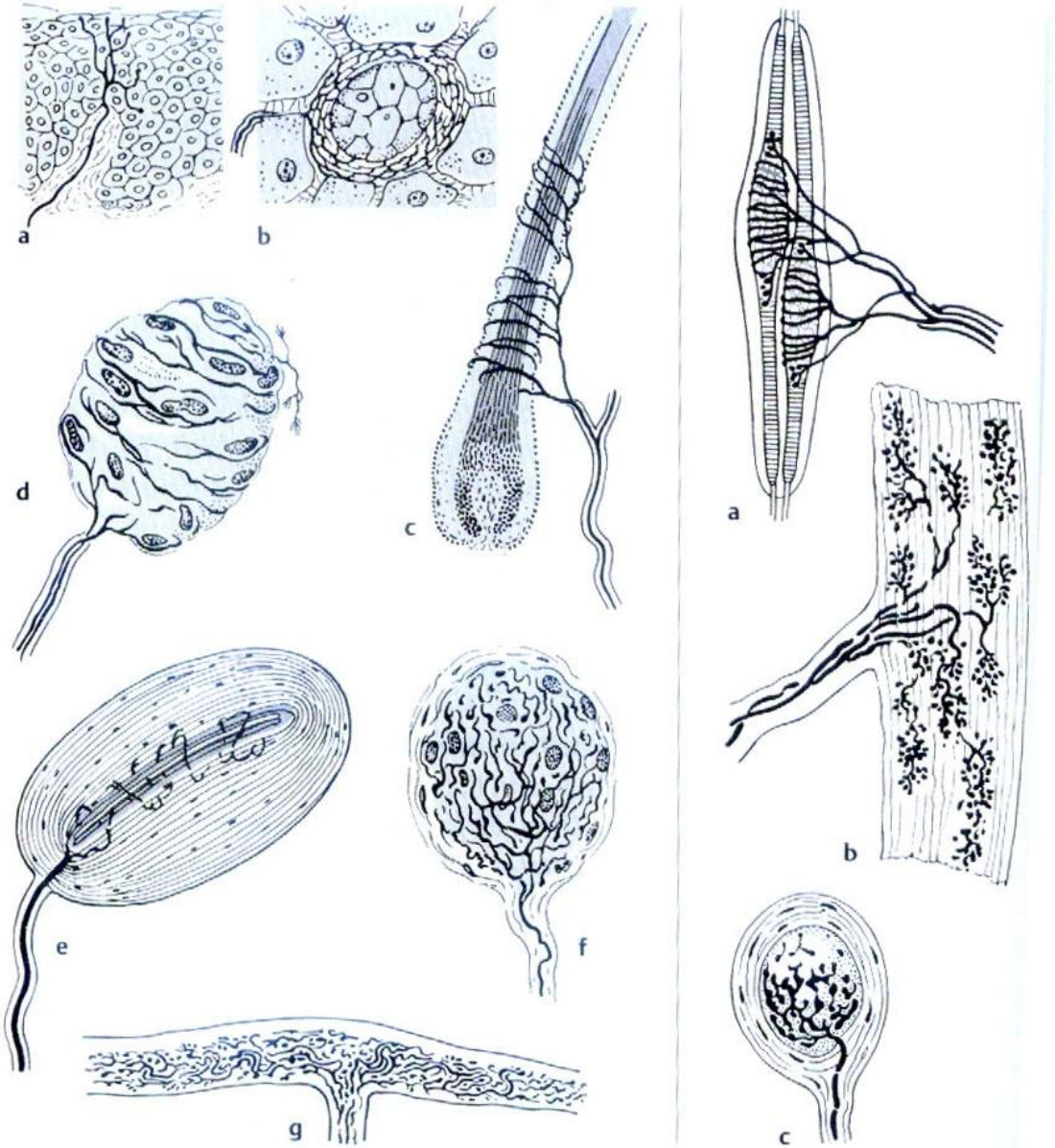


Tractus spinothalamicus


Gyrus postcentralis
Oberarm
Schulter
Kopf
Unterarm
Hals
Hand
Rumpf
Finger
Hüfte
II
III
IV
V
Daumen
Auge
Gesicht
Oberlippe
Unterlippe
Kiefer
Zunge
Schlund
Bauch, Eingeweide
Cauda nuclei caudati
Thalamus
Pallidum
Putamen
Capsula interna
Insel
Claustrum
Tractus corticospinalis
Lemniscus medialis
Tractus spinothalamicus lateralis

длабок сензибилитет




a
b
c
d
e
f
g
a
b
c

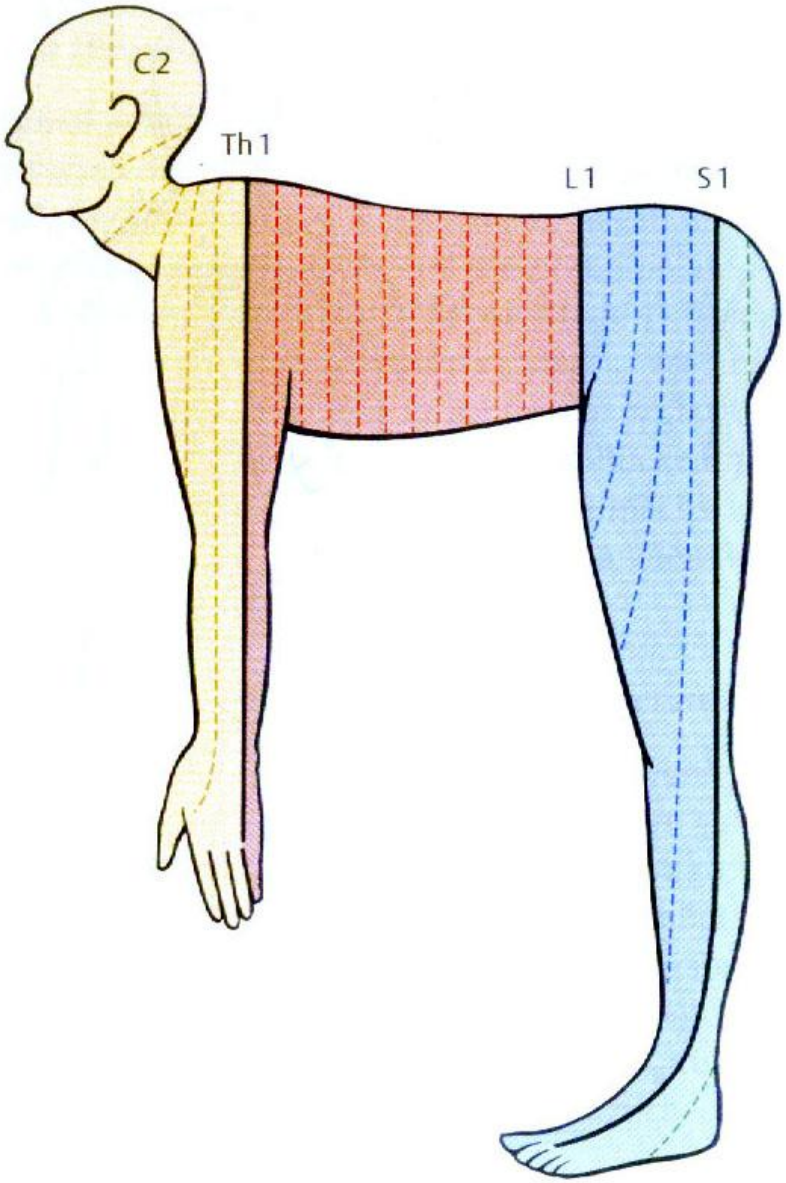




Длабок сензибилитет за положба и движење



Длабок вибрационен сензибилитет



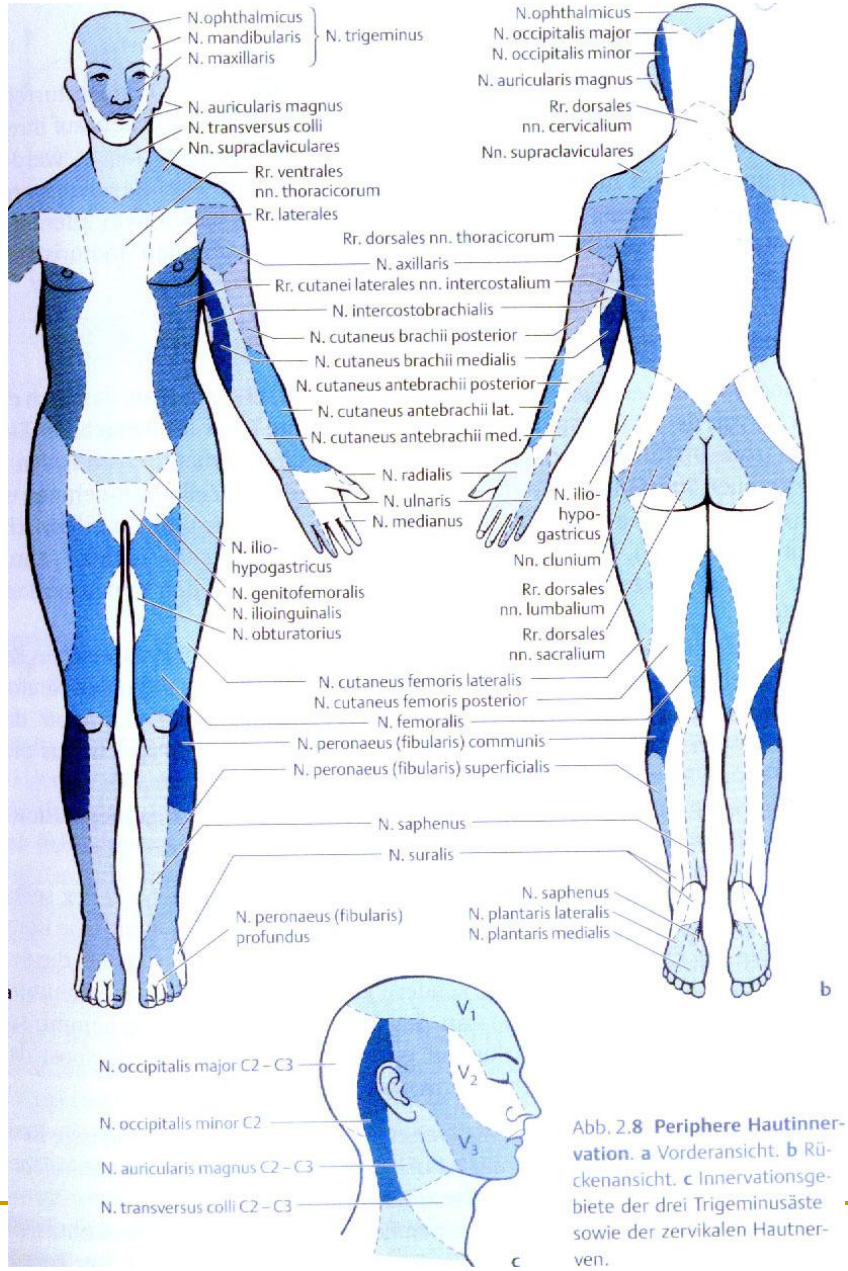
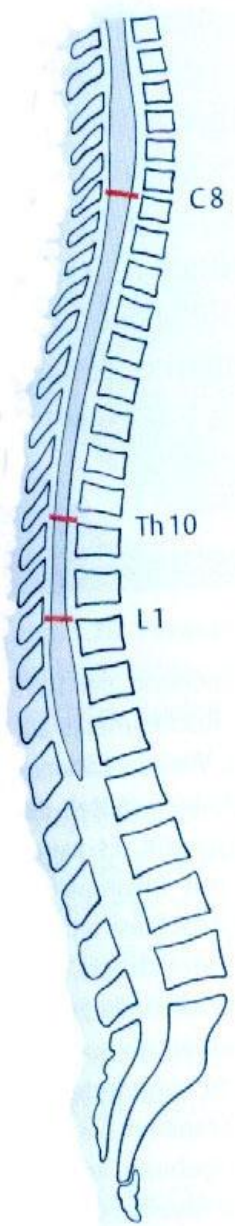
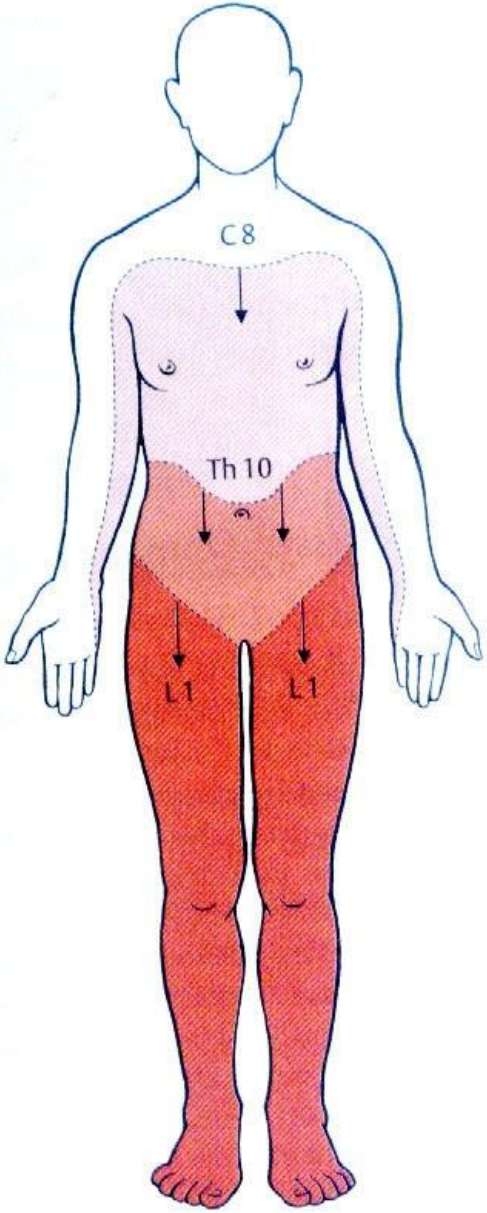
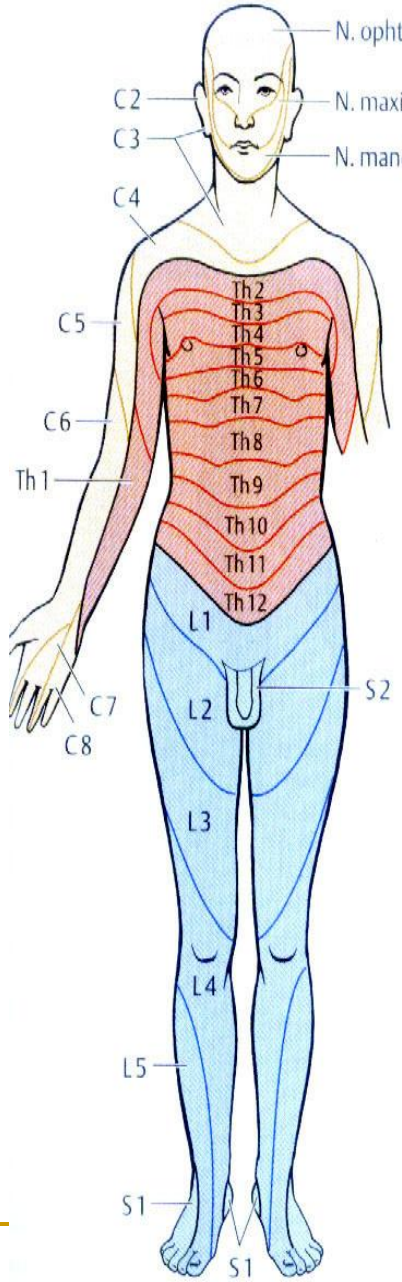
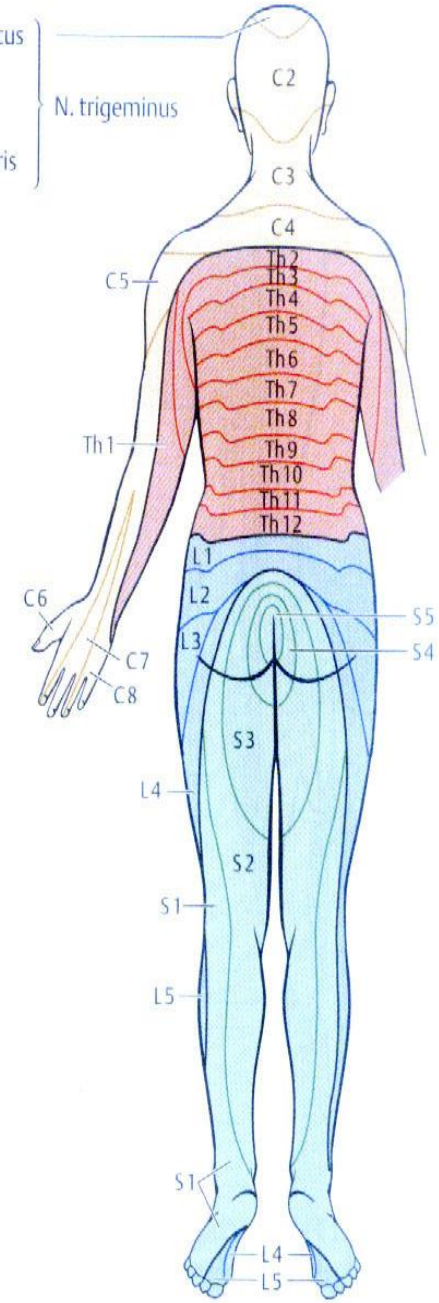


Abb. 2.8 **Periphere Hautinnervation.** **a** Vorderansicht. **b** Rückenansicht. **c** Innervationsgebiete der drei Trigeminusäste sowie der zervikalen Hautnerven.

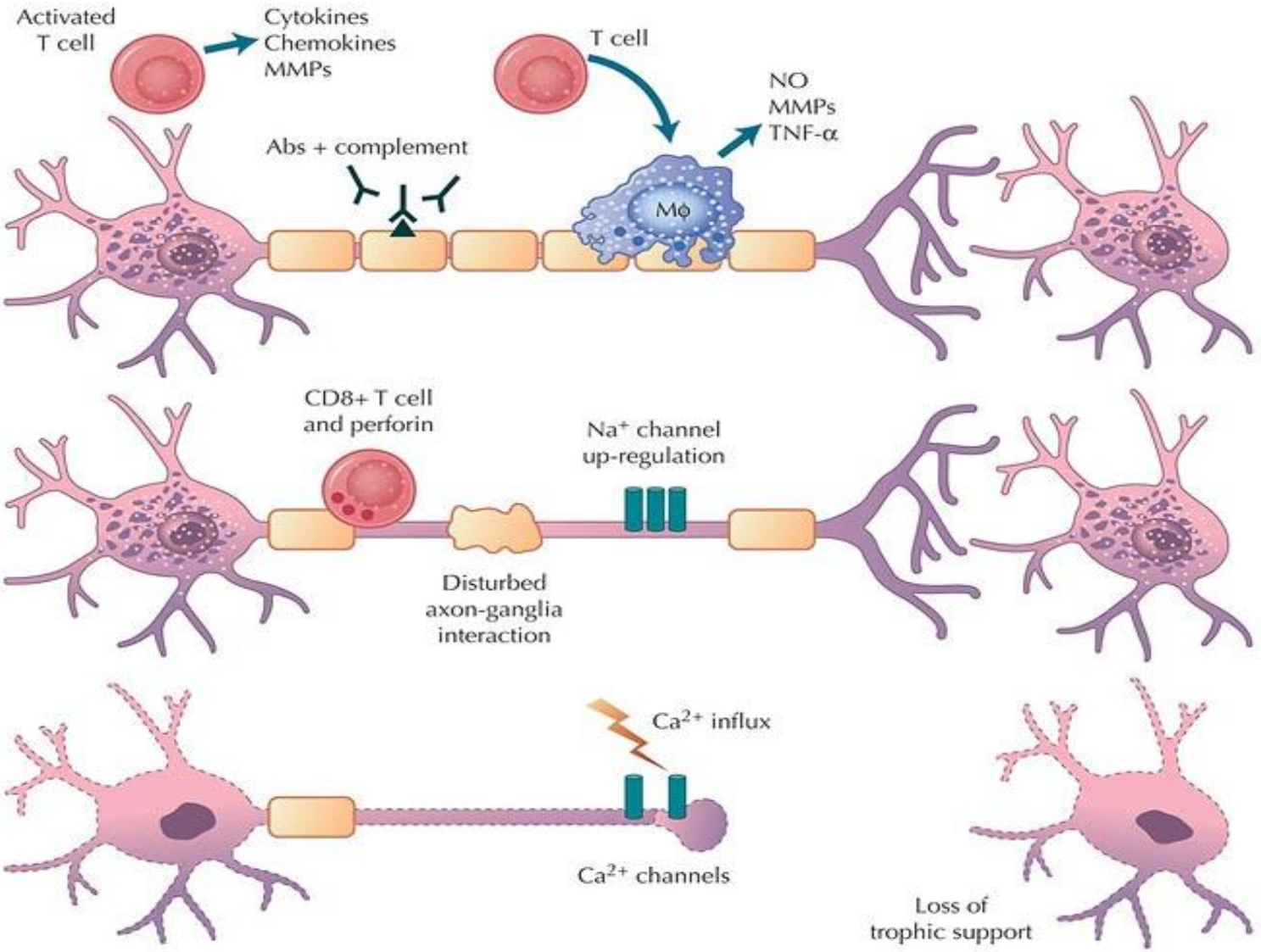

C8
Th10
L1


C8
Th10
L1
L1


N. ophthalmicus
N. maxillaris
N. mandibularis
N. trigeminus
C2
C3
C4
C5
C6
Th1
C7
C8
Th2
Th3
Th4
Th5
Th6
Th7
Th8
Th9
Th10
Th11
Th12
L1
L2
L3
L4
L5
S1
S2
S1


C2
C3
C4
C5
Th1
C6
C7
C8
Th2
Th3
Th4
Th5
Th6
Th7
Th8
Th9
Th10
Th11
Th12
L1
L2
L3
S5
S4
S3
L4
S2
S1
L5
S1
L4
L5

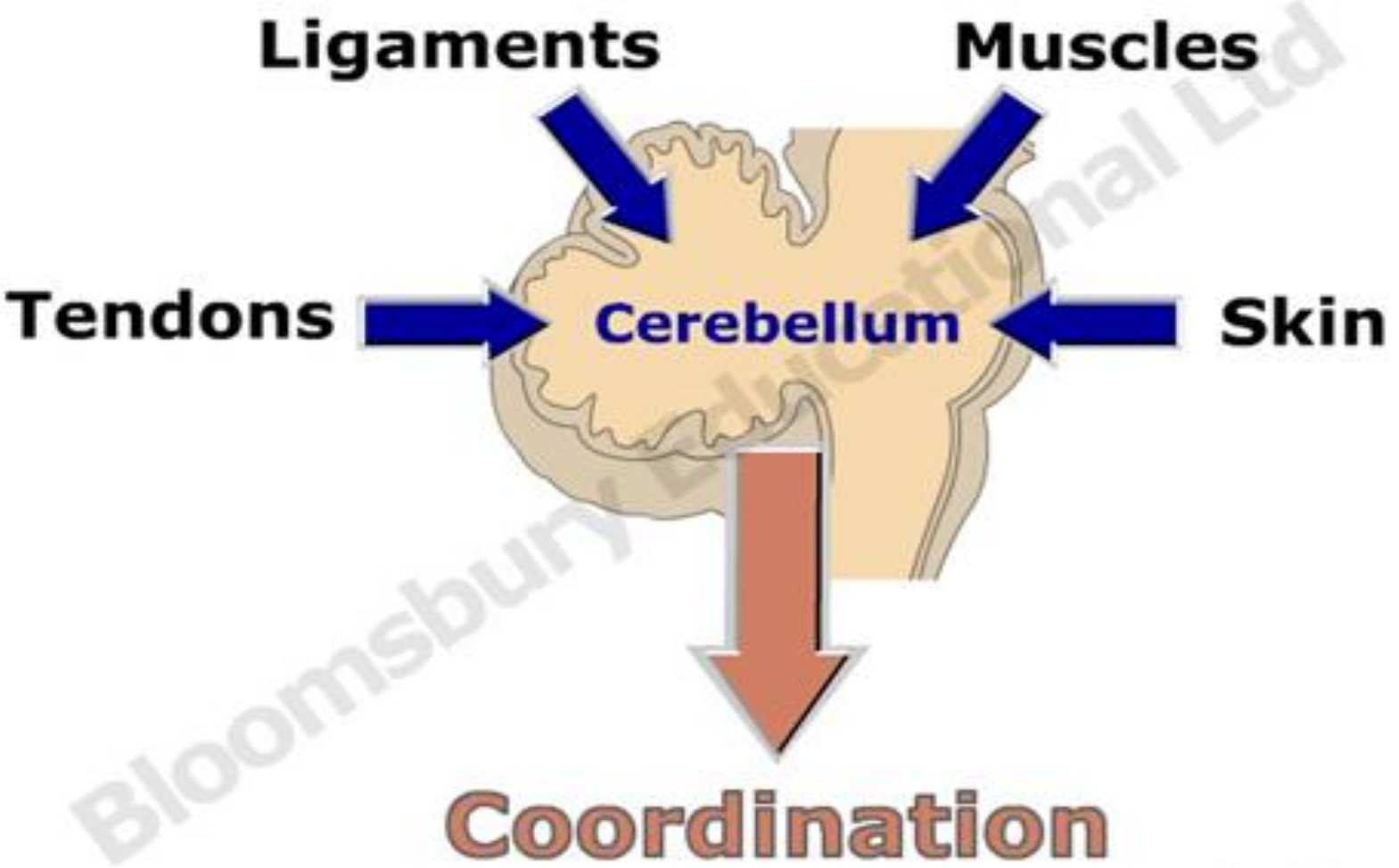
NEUROPATII


Activated
T cell
Cytokines
Chemokines
MMPs
T cell
NO
MMPs
TNF-α
Abs + complement
Mφ
CD8+ T cell
and perforin
Na+ channel
up-regulation
Disturbed
axon-ganglia
interaction
Ca2+ influx
Ca2+ channels
Loss of
trophic support



Romberge





Bloomsbury Educational Ltd

Pascalis Spyrou