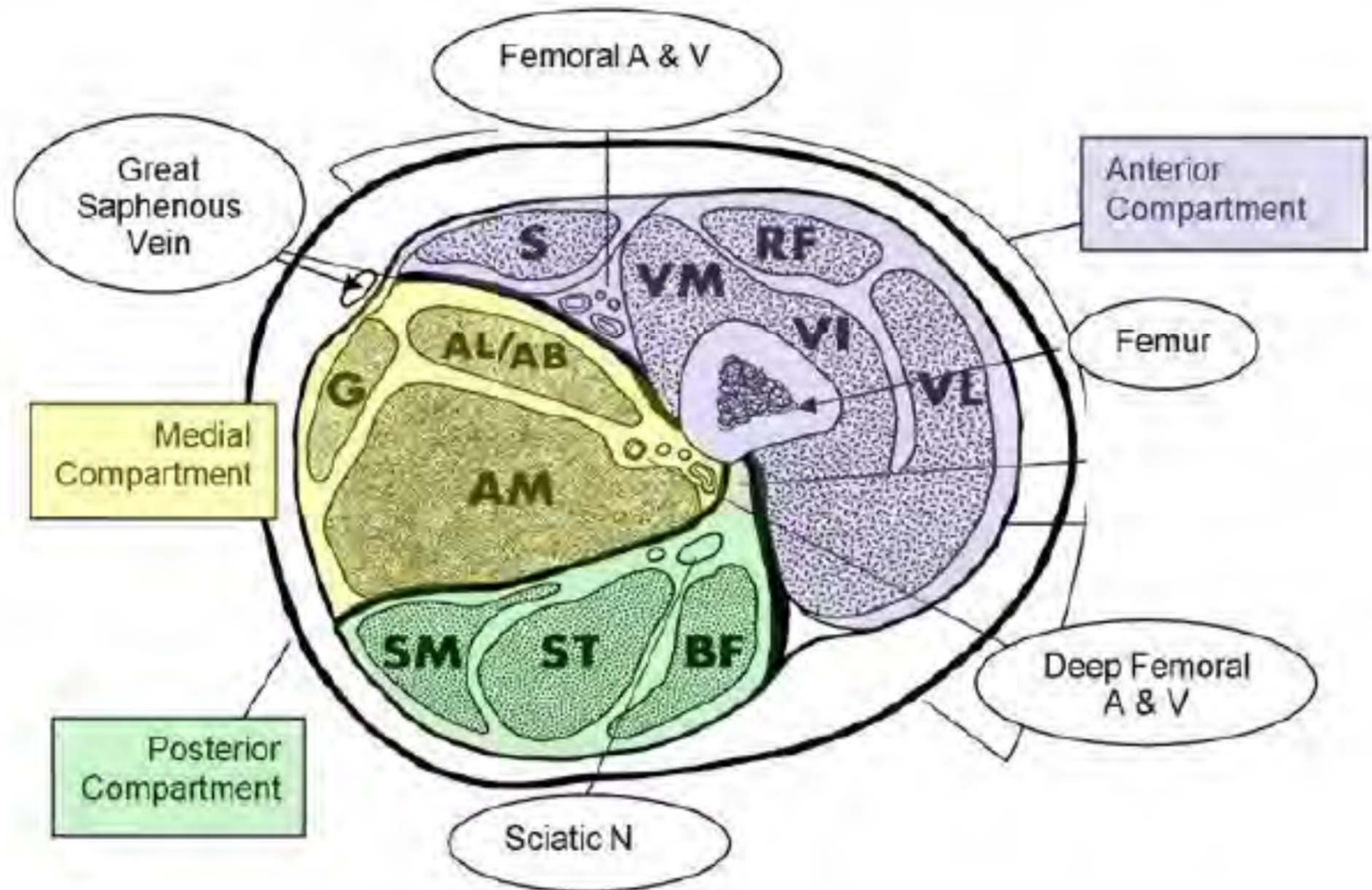


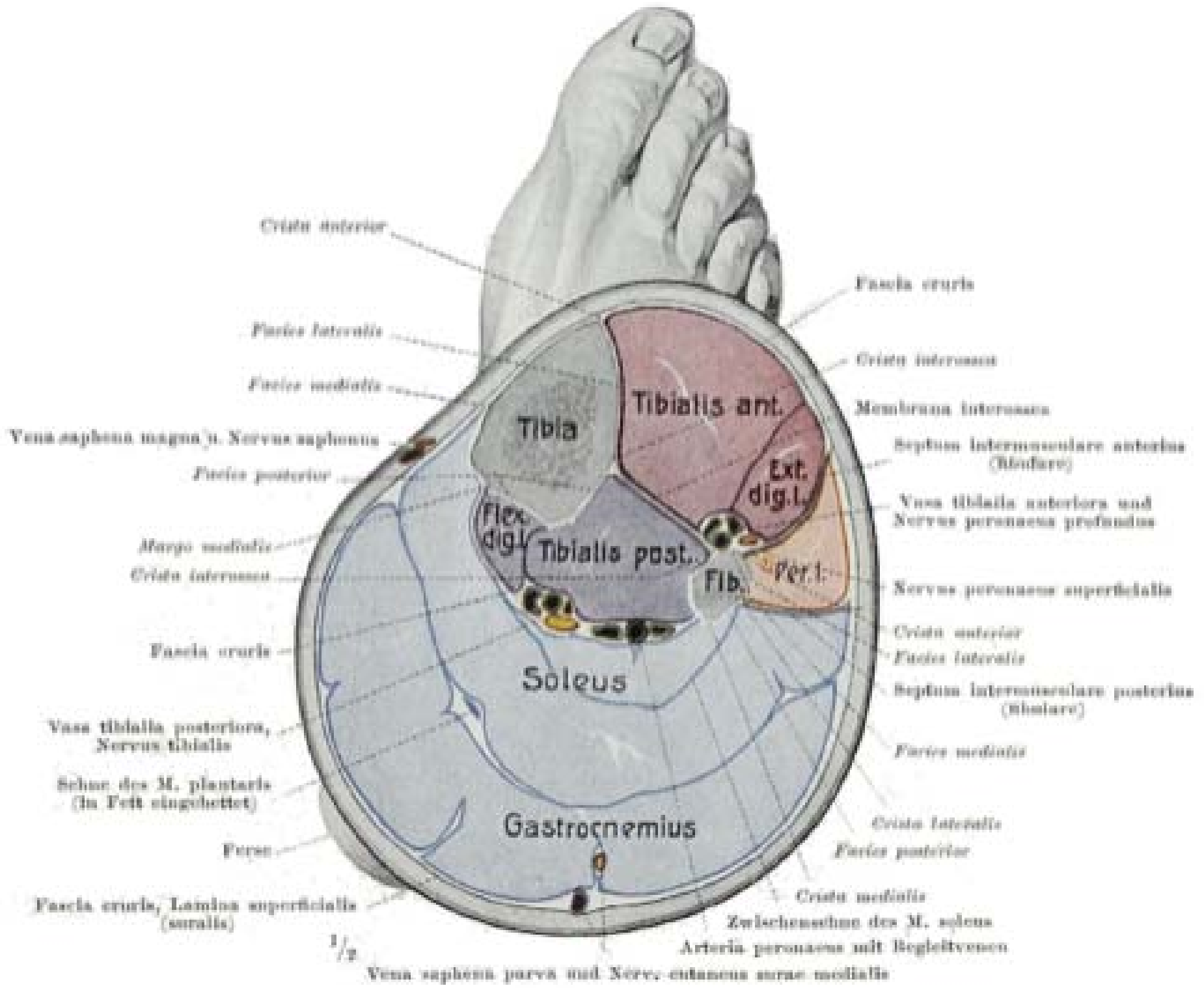
Summary of Muscle Innervation

Proximal LE

- Hip Flexor (Psoas) non-plexus Anterior Rami L1-3.
 - Hip Flexor Iliacus & Rectus = Femoral N.
 - Hip Extensors: Glut Max Inf Gl, Hamstrings = sciatic
 - Hip Abductors: Glut Med, Min & TFL = Sup Gluteal N.
 - Medial thigh: Adductors = Obturator
 - Anterior thigh: Sartorius and quads = Femoral N
 - Post thigh: (Sciatic) Med Hamstrings + Biceps LH
Tibial Div, Biceps Fem SH = Common Peroneal
-

3 compartments of the thigh





Crista anterior

Fascia lateralis

Fascia medialis

Vena saphena magna u. Nervus saphenus

Fascia posterior

Margo medialis

Crista interossea

Fascia cruris

Vasa tibialia posteriora,
Nervus tibialis

Schne des M. plantaris
(in Fett eingeschaltet)

Furca

Fascia cruris, Lamina superficialis
(suralis)

$\frac{1}{2}$

Vena saphena parva mit Nerv. cutaneus surae medialis

Fascia cruris

Crista interossea

Membrana interossea

Septum intermusculare anterius
(Bistare)

Vasa tibialia anteriora und
Nervus peroneus profundus

Nervus peroneus superficialis

Crista anterior

Fascia lateralis

Septum intermusculare posterius
(Bistare)

Fascia medialis

Crista lateralis

Fascia posterior

Crista medialis

Zwischenschinn des M. soleus
Arteria peroneus mit Begleitvenen

Tibia

Tibialis ant.

Ext. dig. l.

Flex. dig. l.

Tibialis post.

Fib.

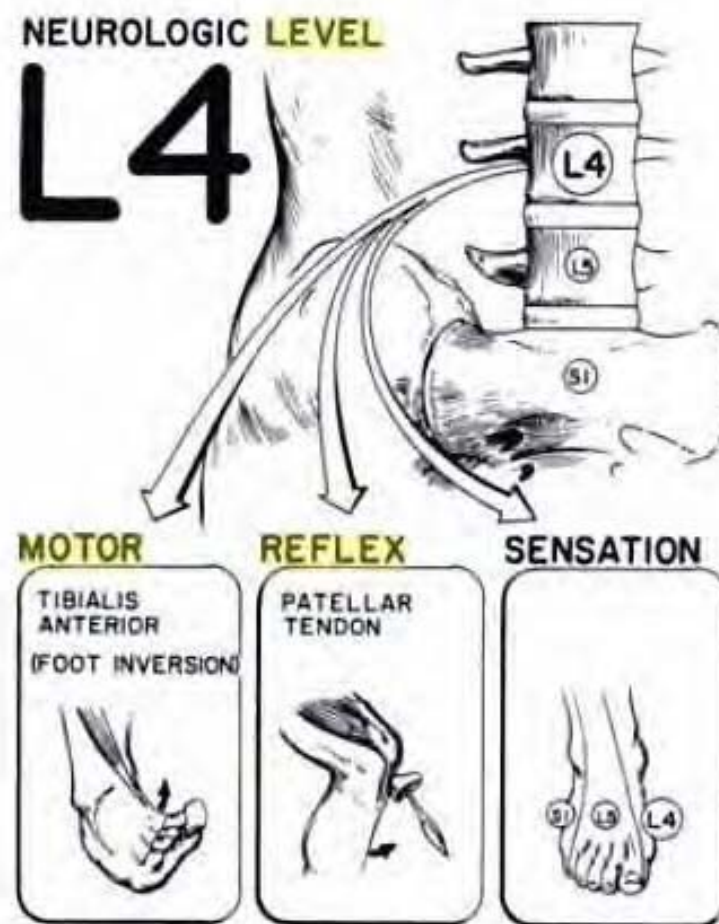
Per. l.

Soleus

Gastrocnemius

L4 Level

- Neurological L4
- Motor-Quads, and tibialis anterior
- Reflex – Patellar
- Sensation – Medial malleolus and great toe



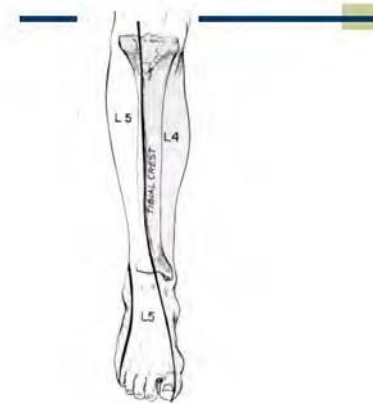
L5 Level

- Neurological L5
- Motor- EHL, tibialis anterior
- Reflex – Medial Hamstring
- Sensation – Dorsal Mid portion of foot and digits



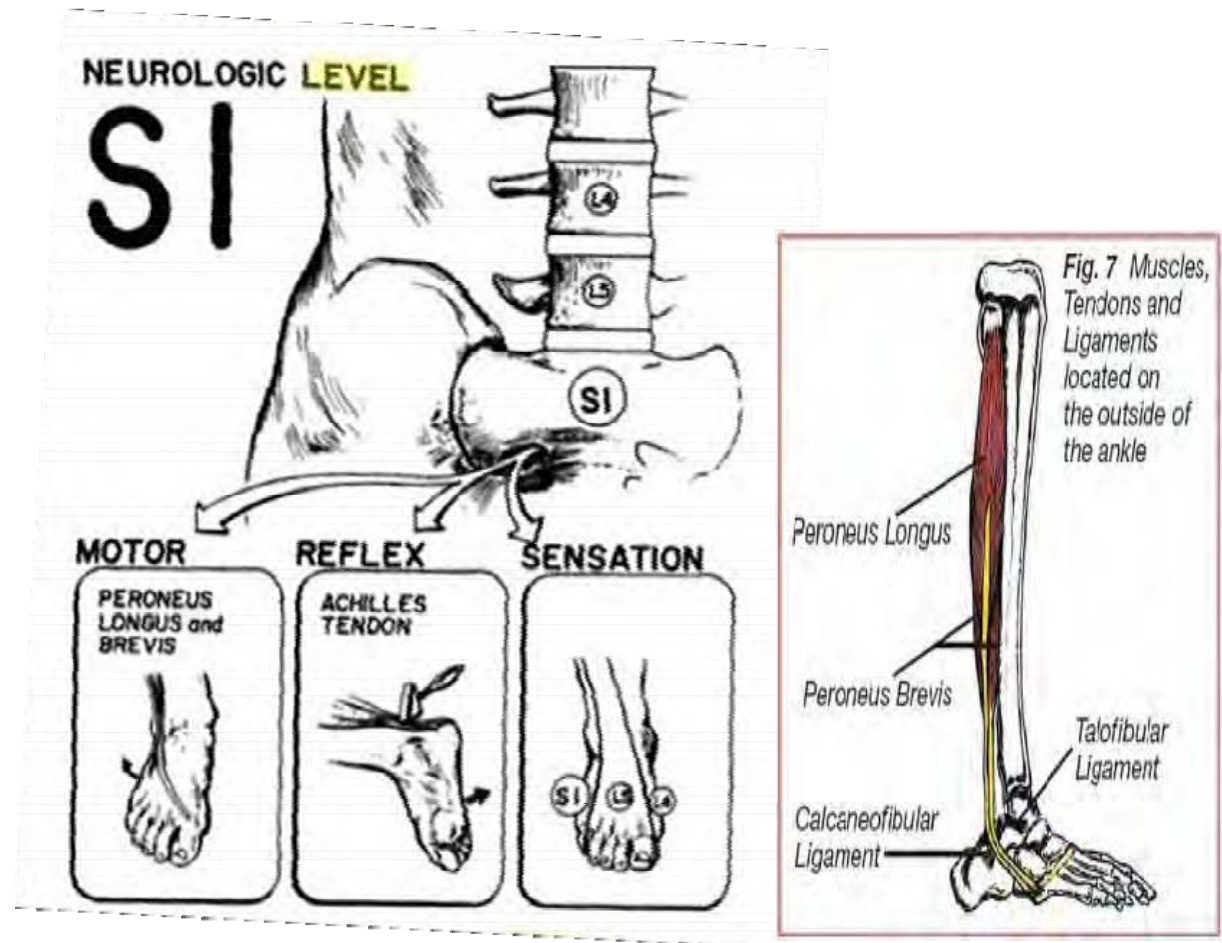
Extensor hallucis longus

L5 Sensory Dermatome



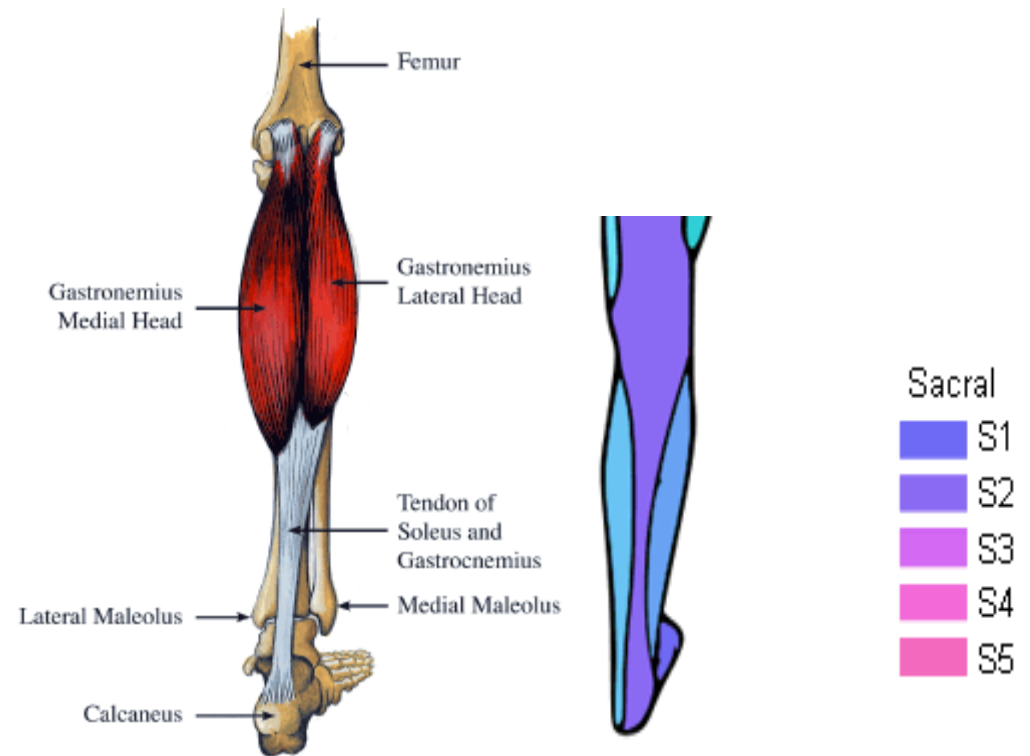
S1 Level

- Neurological S1
- Motor-Gastroc
Soleus, PL, & PB
- Reflex – achilles
- Sensation –
Lateral malleolus
and 5th toe



S2 Level

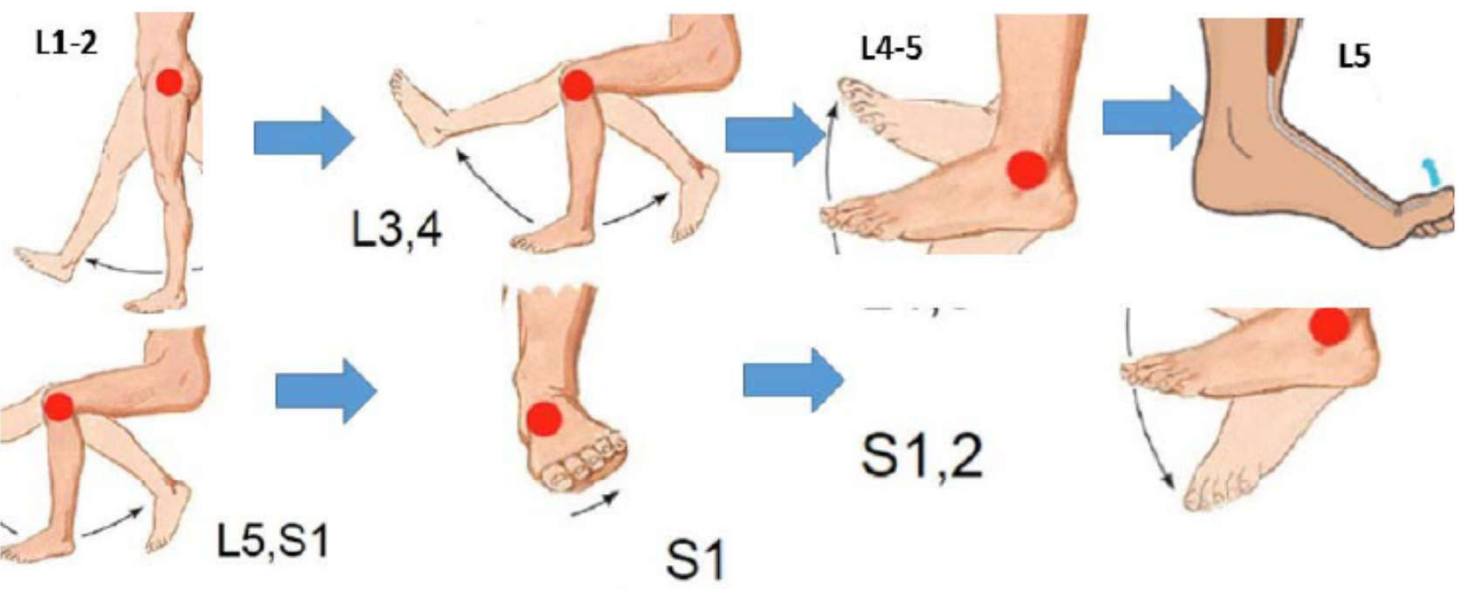
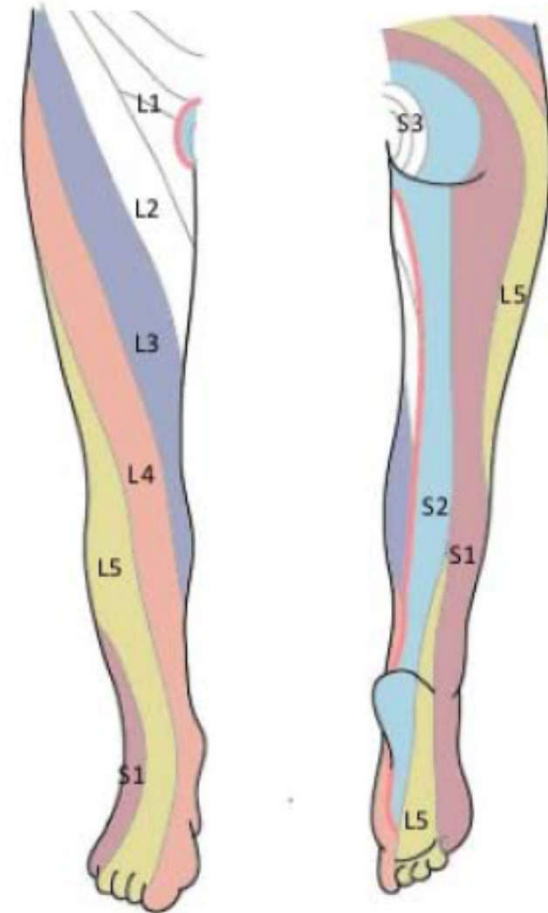
- Neurological S2
- Motor-Gastroc
- Reflex – Achilles
- Sensation –
Achilles and
medial posterior
calf



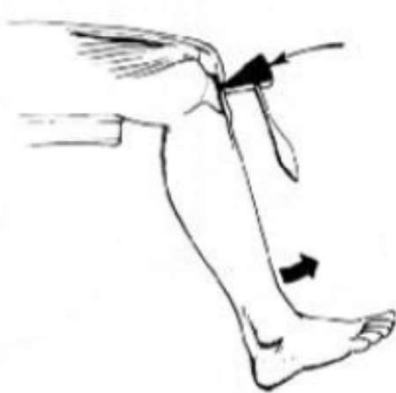
LE Myotomes

- L1-2 iliopsoas: Hip Flexion
- L3 Quadriceps: Knee extension (Femoral N.)
- L4 Quadriceps (Femoral N.) & Tib Ant. Dorsiflexion (Deep Peroneal N)
- L5 Tib Ant (DP N.) Hamstring knee flex (Sciatic N. tib div), EHL 1st toe ext (DP N.)
- S1 Hamstring (Sciatic N. tib div), Eversion PL/PB (superficial peroneal N.)
- S2 Gastroc Soleus (Tibial N.)

DERMATOMES



REFLEXES



L4-Patellar



L5- Semitendinosus



S1-2 Achilles