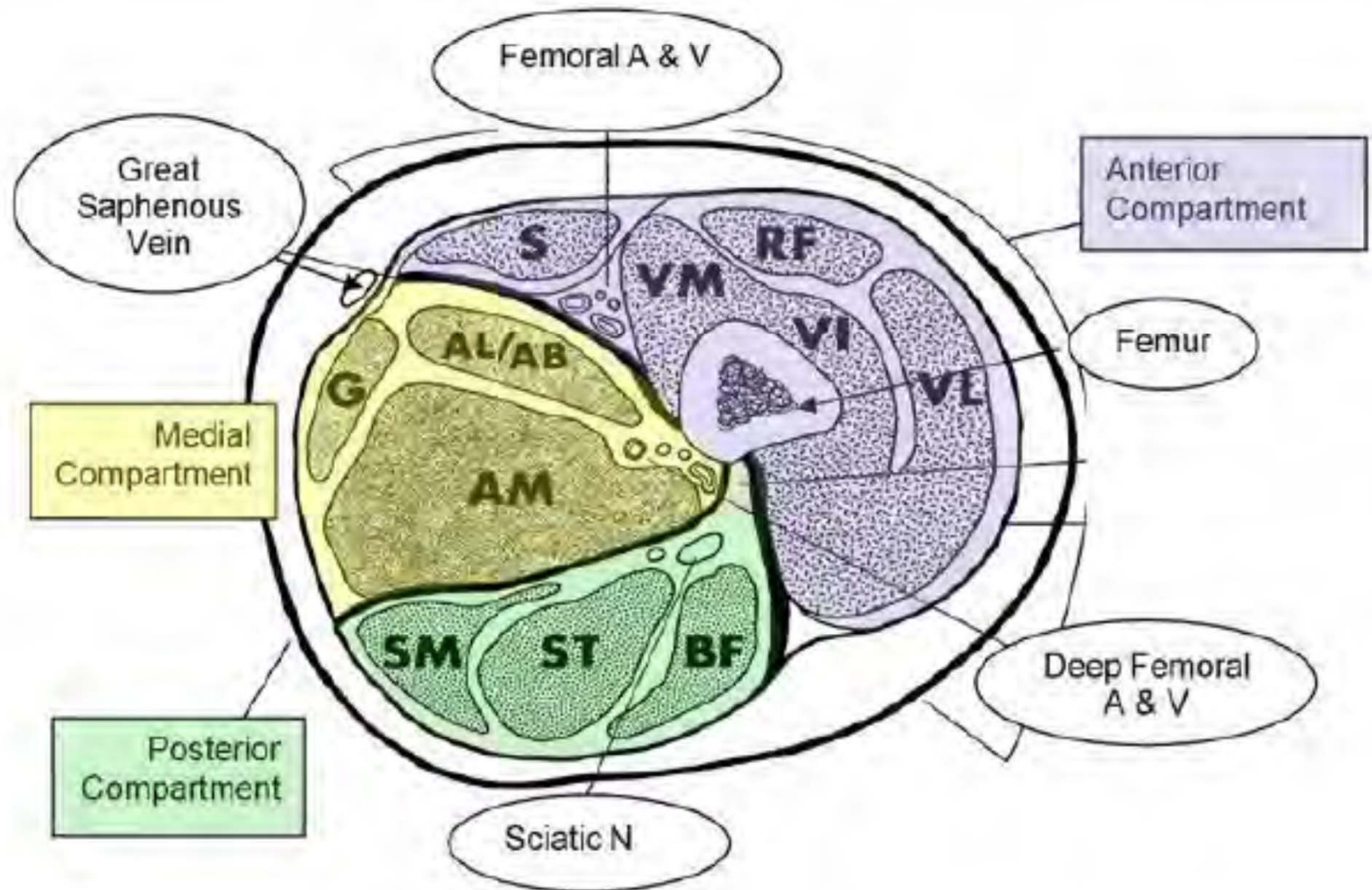


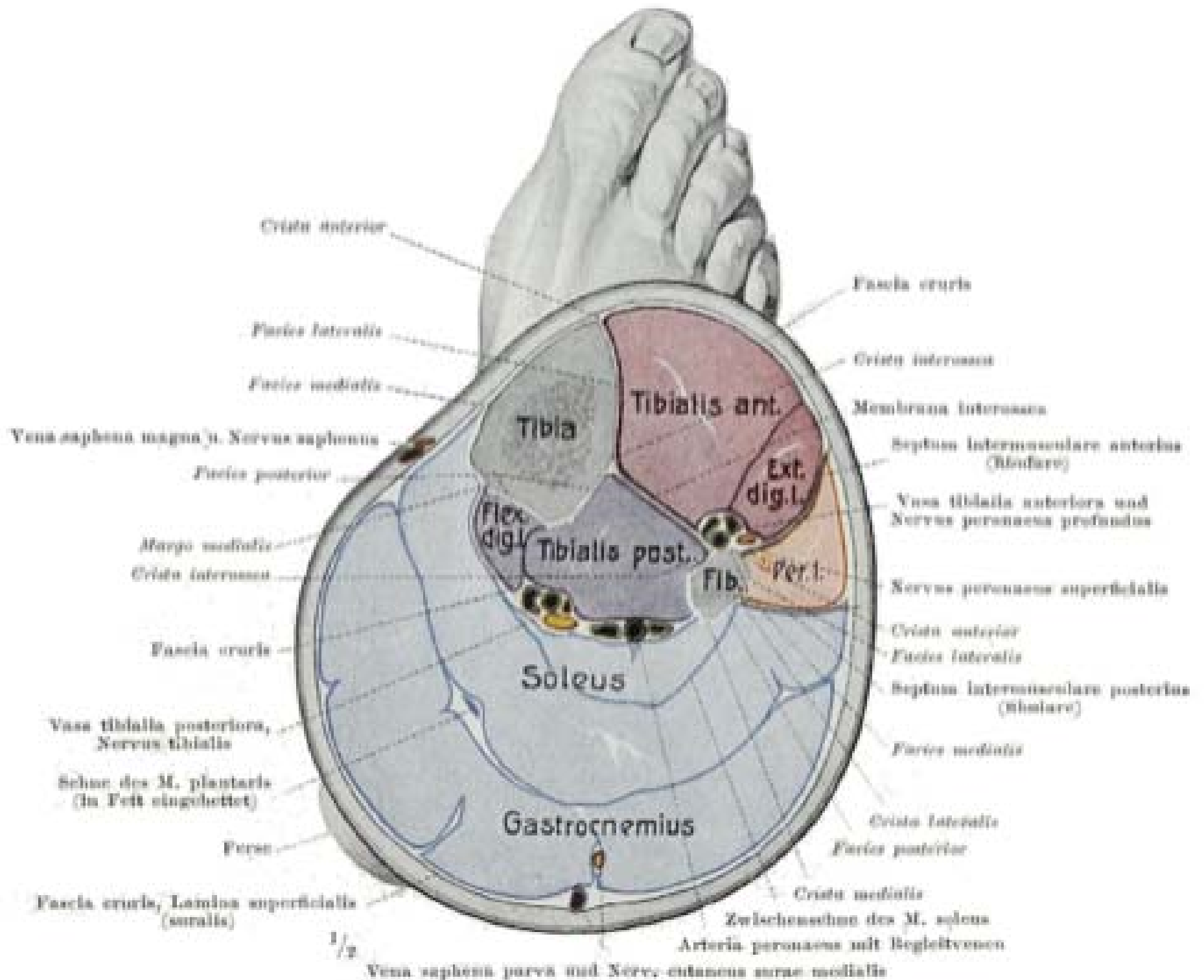
# Summary of Muscle Innervation

## 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
-

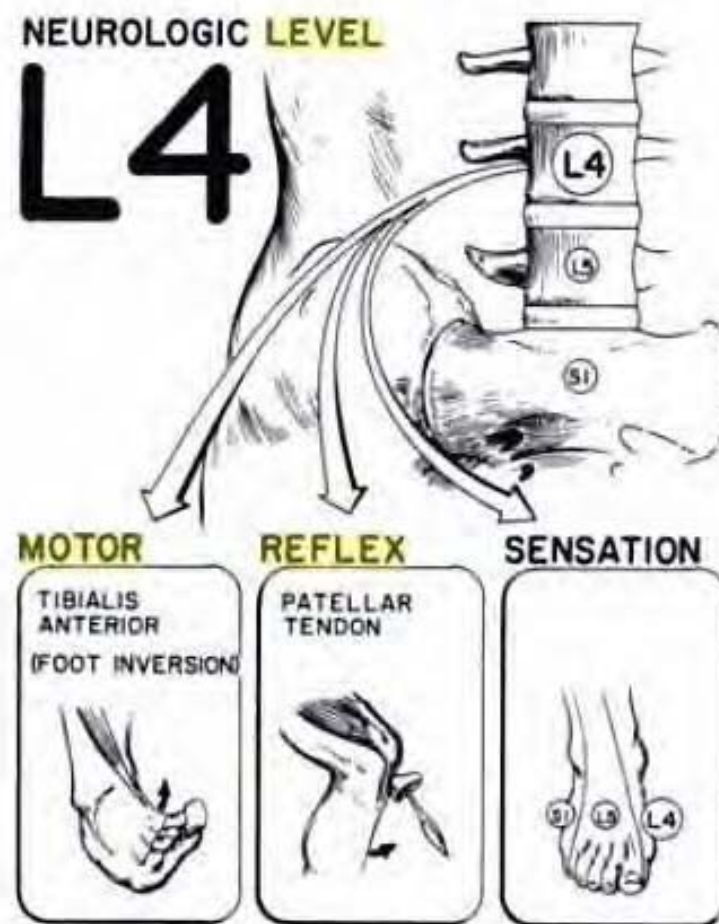
# 3 compartments of the thigh





# L4 Level

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



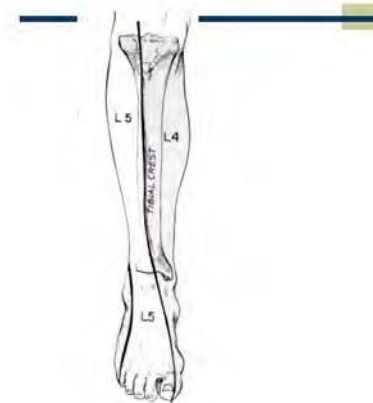
# L5 Level

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



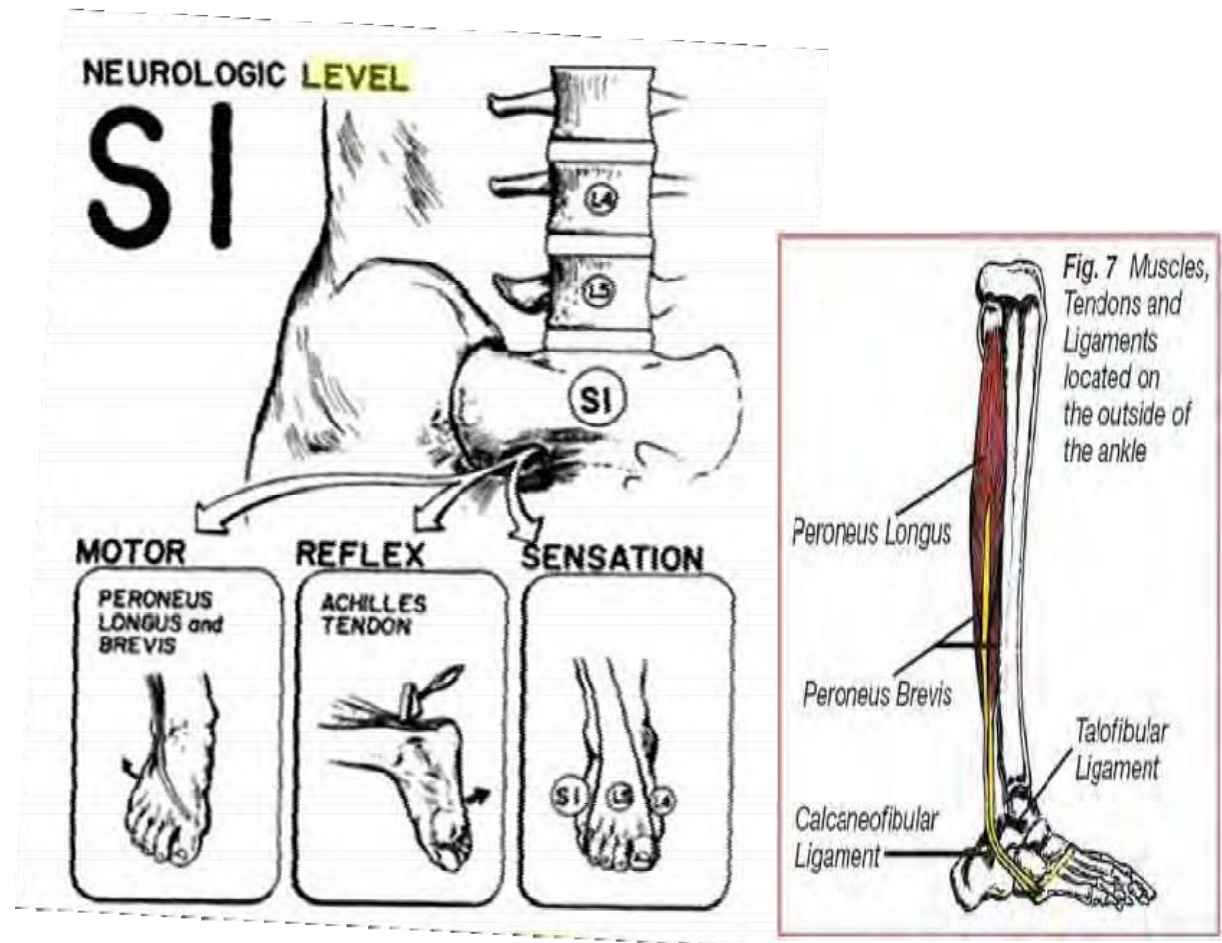
**Extensor hallucis longus**

L5 Sensory Dermatome



# S1 Level

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



# S2 Level

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

