

BACK OF LEG

- Back of leg is also called calf or posterior compartment of leg.

- SKIN**
- SUPERFICIAL FASCIA**
- DEEP FASCIA**
- MUSCLES**
- ARTERY**
- NERVE**

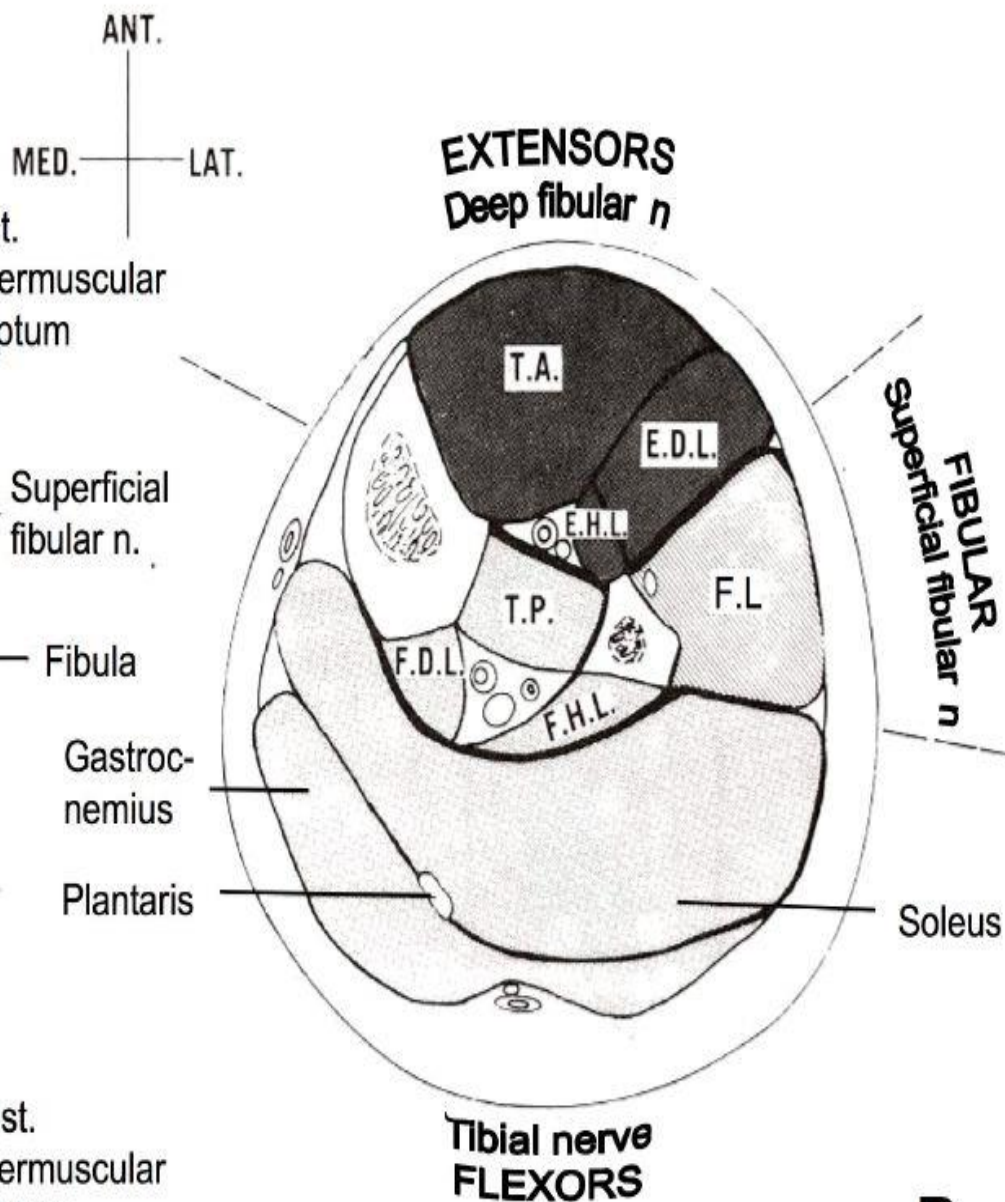
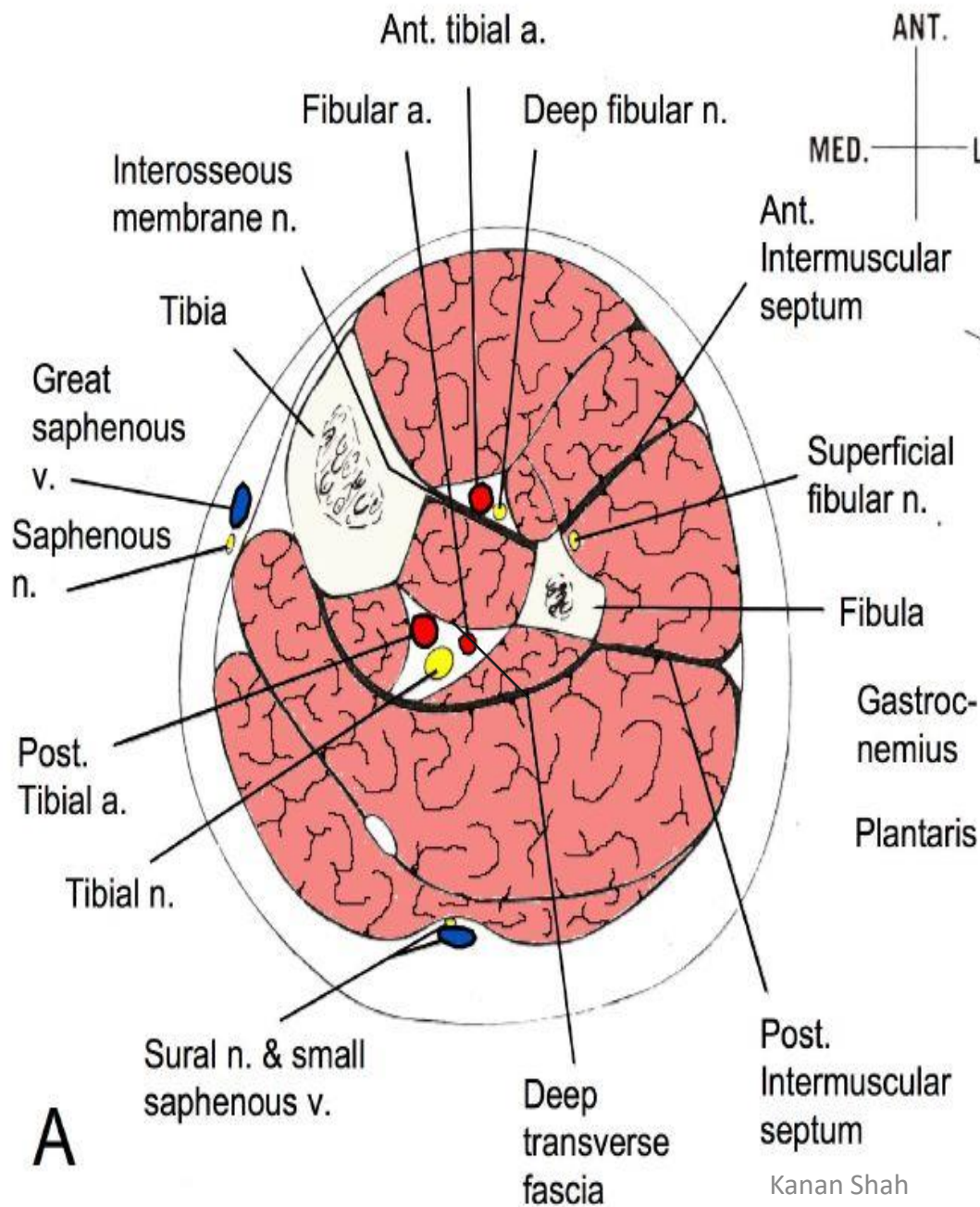
SKIN

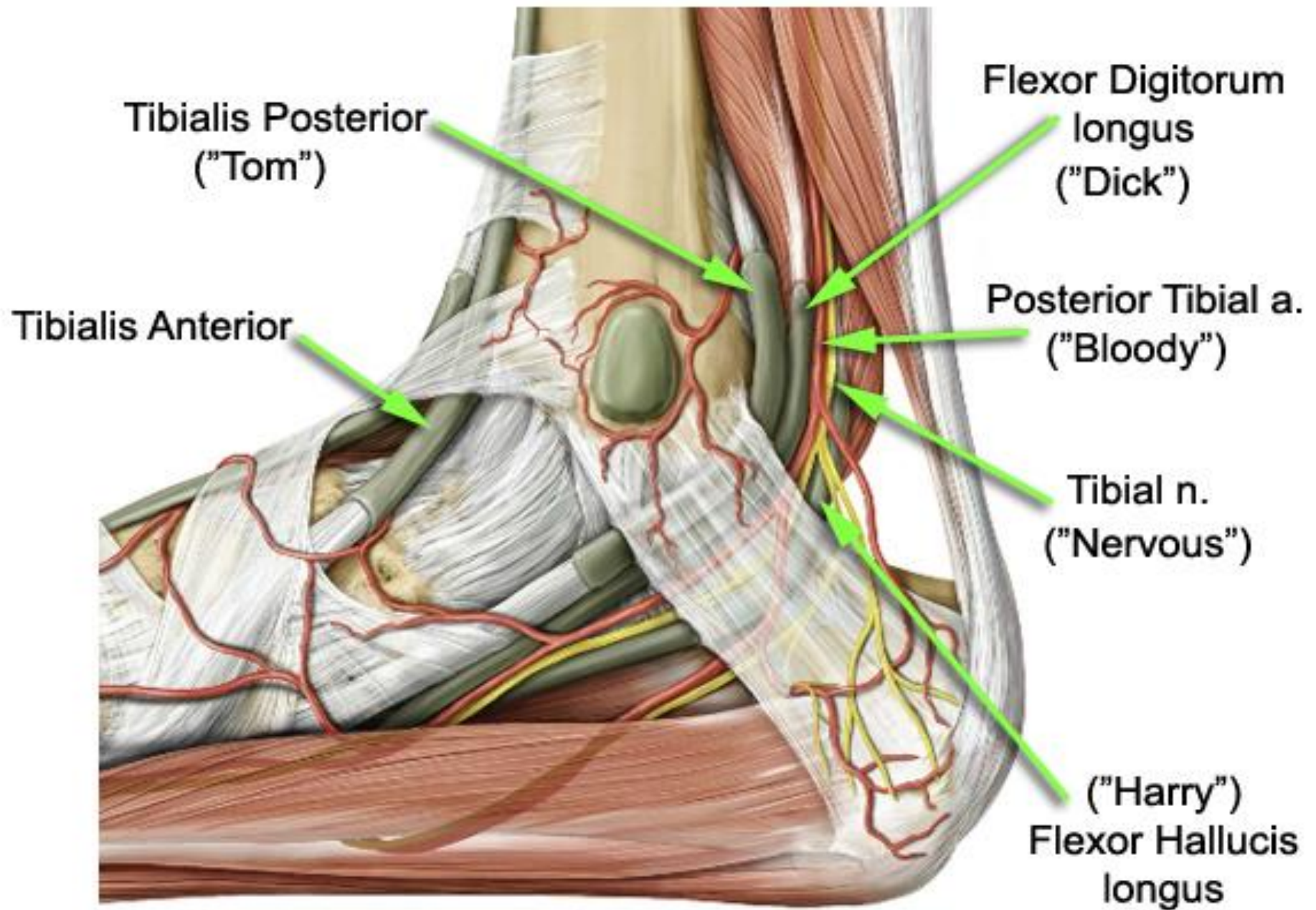
SUPERFICIAL FASCIA

- Two saphenous veins and their tributaries.
- Seven cutaneous nerves
- Two calcaneal arteries

DEEP FASCIA

- Superficial transverse septum
- Deep transverse septum
- Flexor Retinaculum



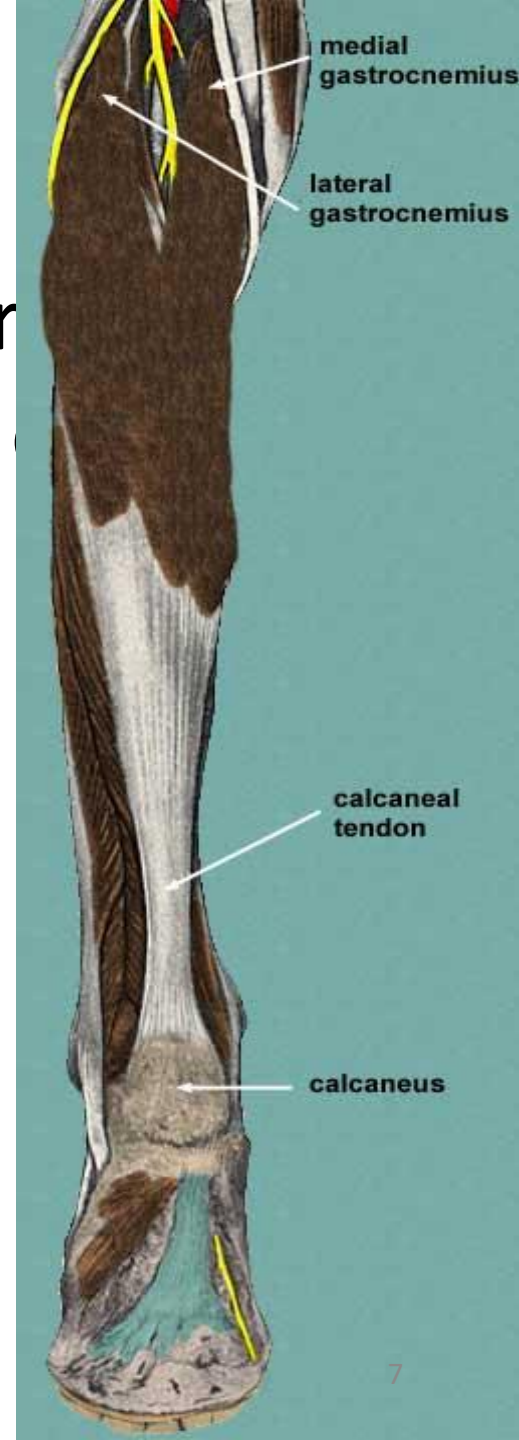


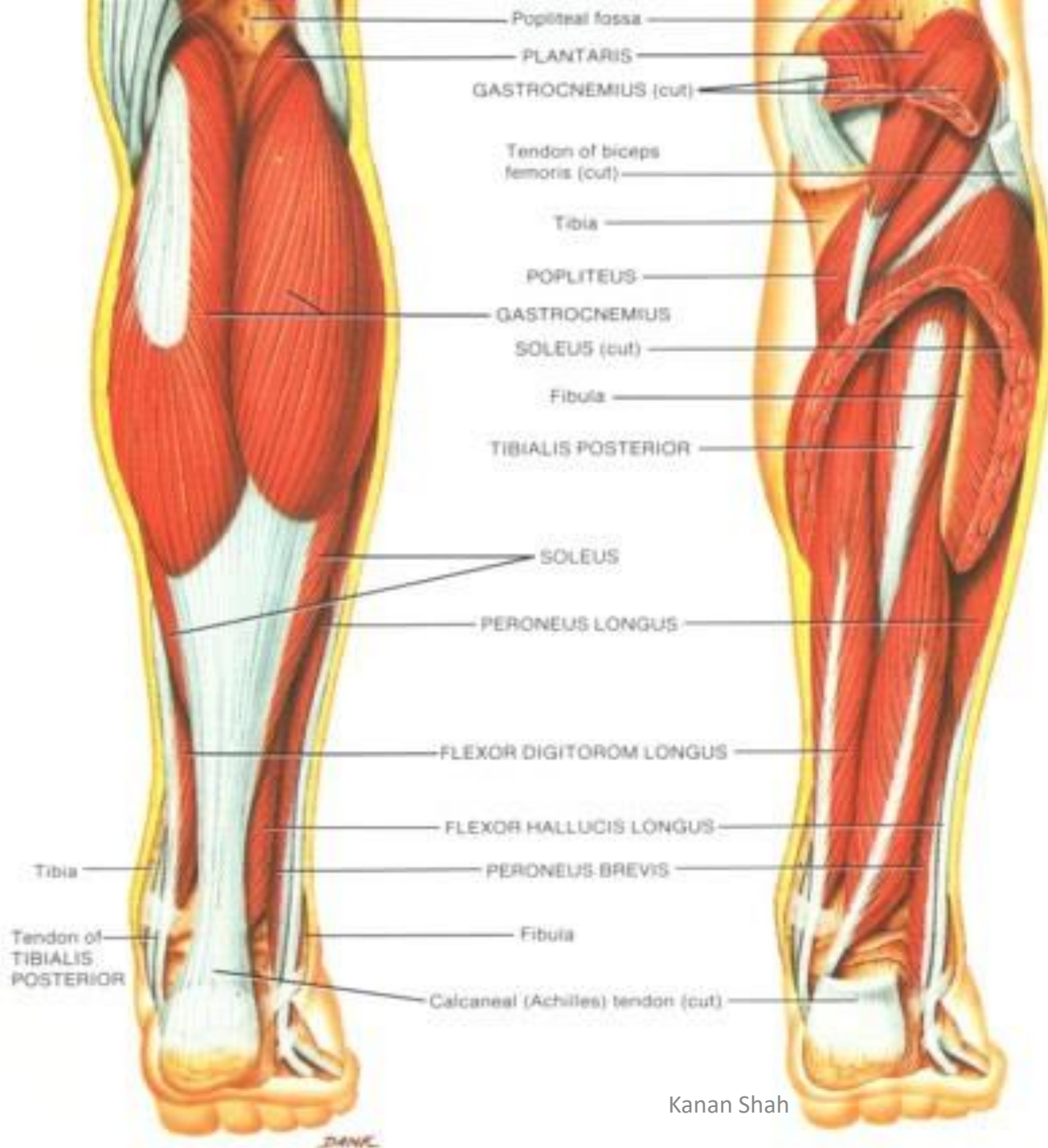
The superficial part of the posterior compartment of the leg is made up of muscles:

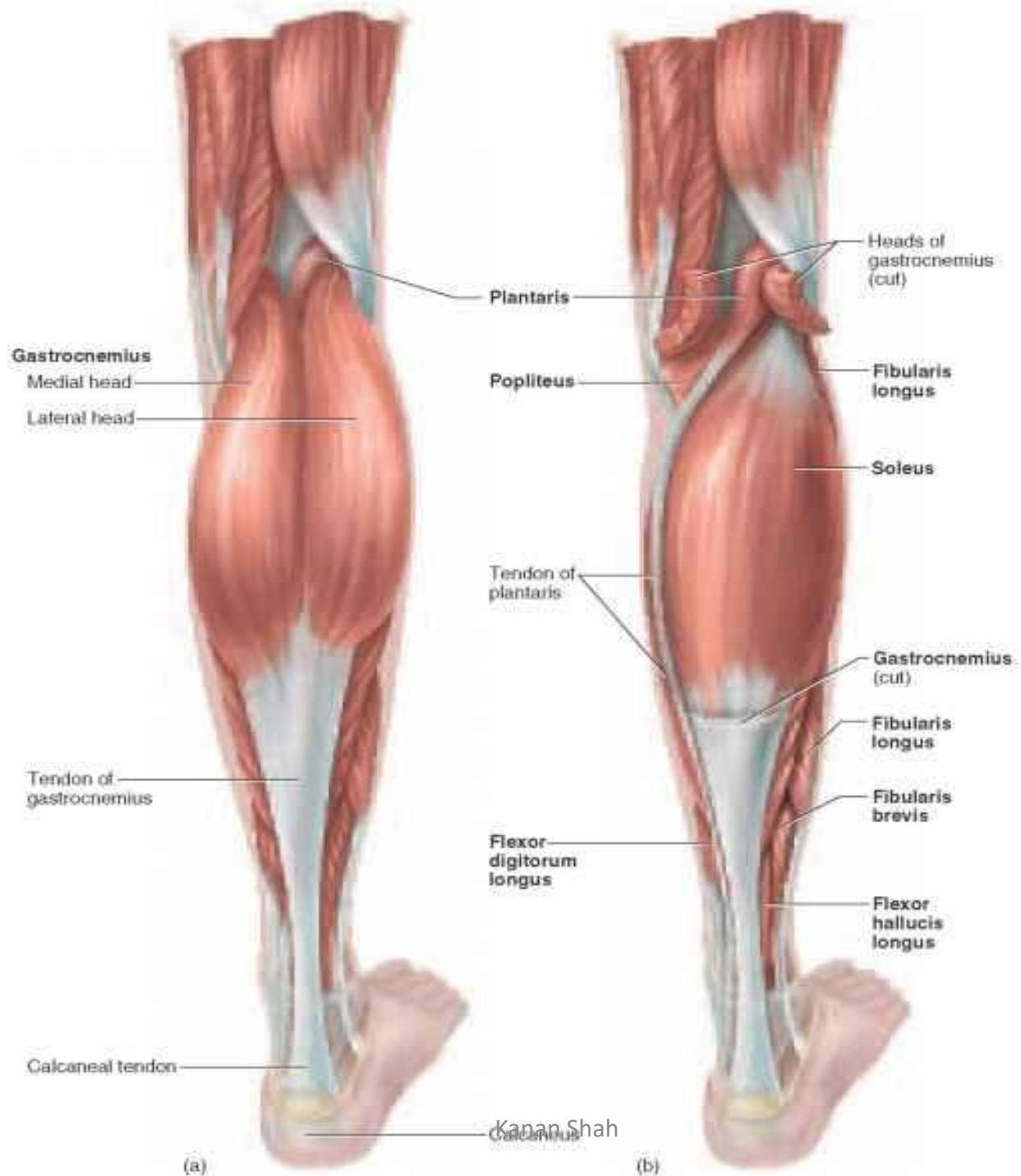
-gastrocnemius

-plantaris

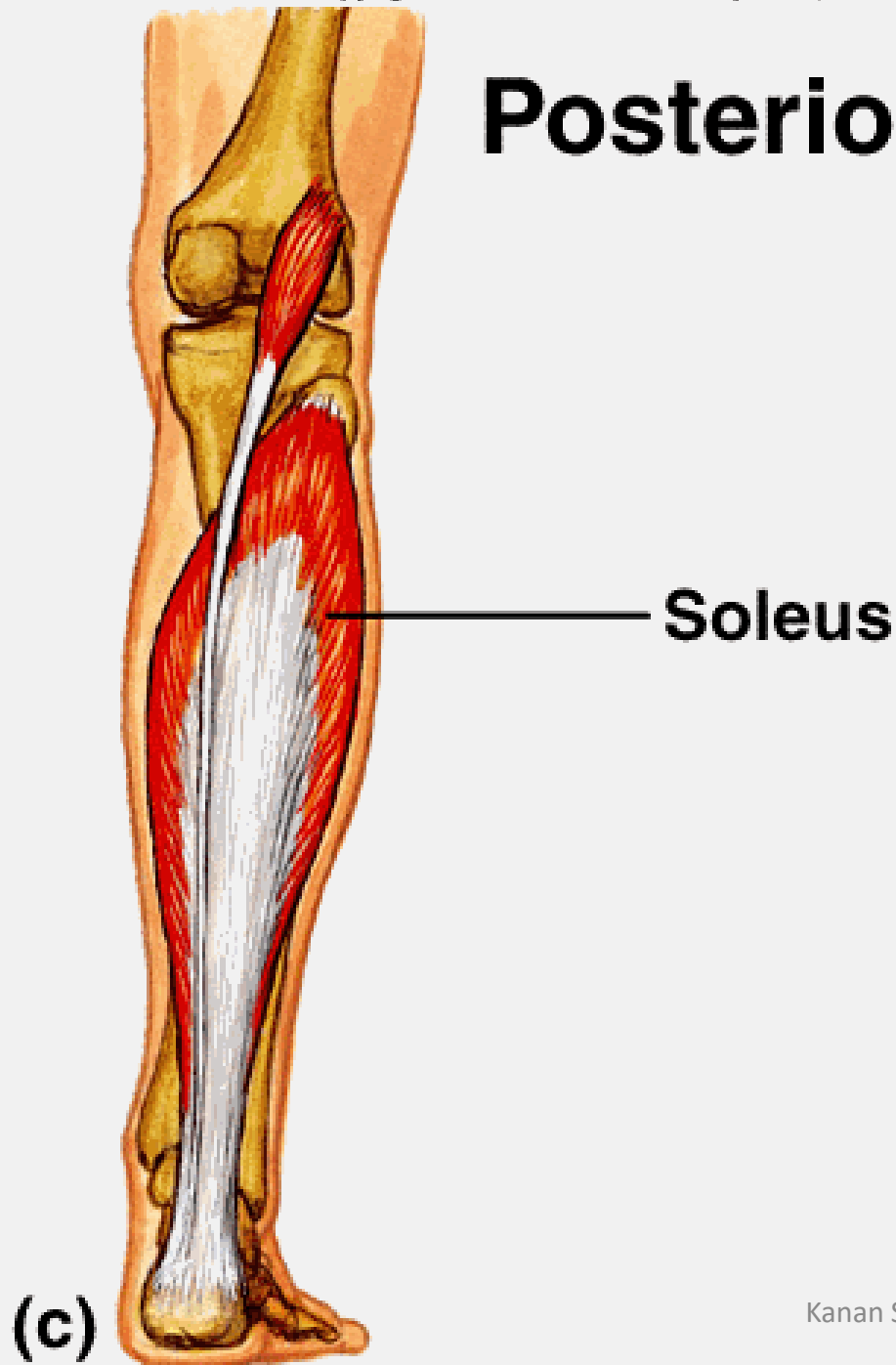
-soleus







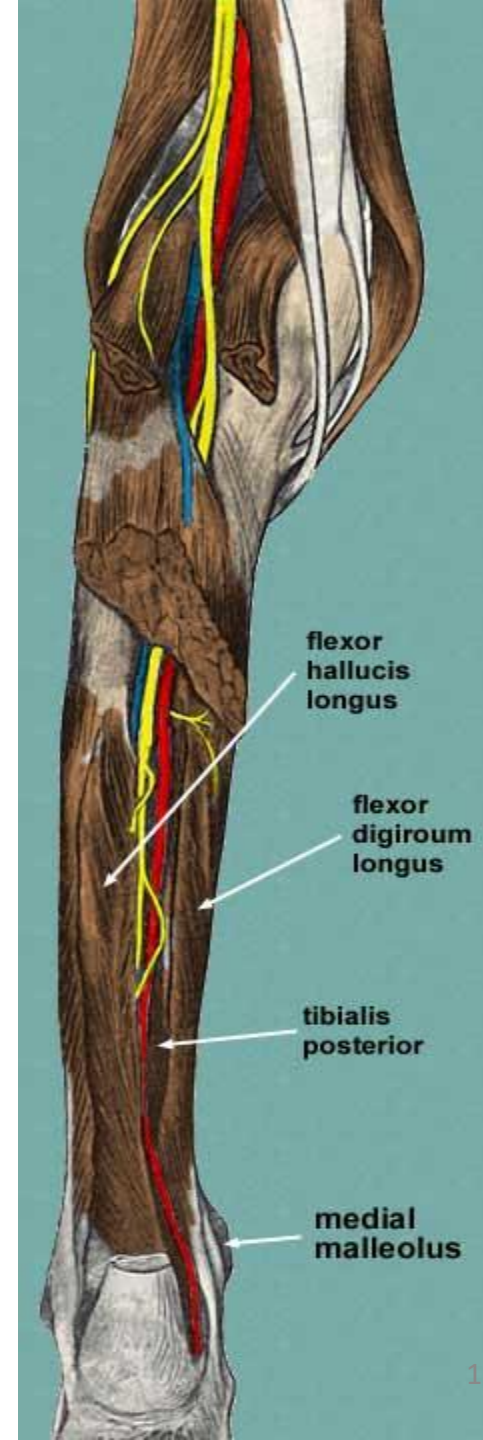
Posterior Leg Muscles (3)



Superficial Group

Muscle	Origin	Insertion	Action	Nerve Supply
gastrocnemius	medial and lateral condyles of femur	calcaneum	plantar flexes (flexes) foot; flexes knee	tibial nerve
plantaris	lateral supracondylar ridge of femur	calcaneum	plantar flexes foot; flexes knee	tibial nerve
Soleus	shafts of tibia and fibula	calcaneum	with gastrocnemius, a powerful plantar flexor of ankle; main propulsive force in walking and running	tibial nerve

The deep layer
of muscles includes
the:
tibialis posterior
flexor digitorum longus
flexor hallucis longus



Deep Group

Muscle	Origin	Insertion	Action	Nerve Supply
flexor digitorum longus	shaft of tibia	distal phalanges of lateral four toes	flexes distal phalanges of lateral four toes; plantar flexes foot; supports lateral longitudinal arch of foot	tibial nerve

Deep Group

Muscle	Origin	Insertion	Action	Nerve Supply
flexor hallucis longus	shaft of fibula	base of distal phalanx of big toe	flexes distal phalanx of big toe; plantar flexes foot; supports medial longitudinal arch of foot	tibial nerve

Deep Group

Muscle	Origin	Insertion	Action
tibialis posterior	shafts of tibia and fibula and interosseous membrane	tuberosity of navicular bone	plantar flexes foot; inverts foot at subtalar and transverse tarsal joints; supports medial longitudinal arch of foot

POSTERIOR TIBIAL ARTERY

Branches

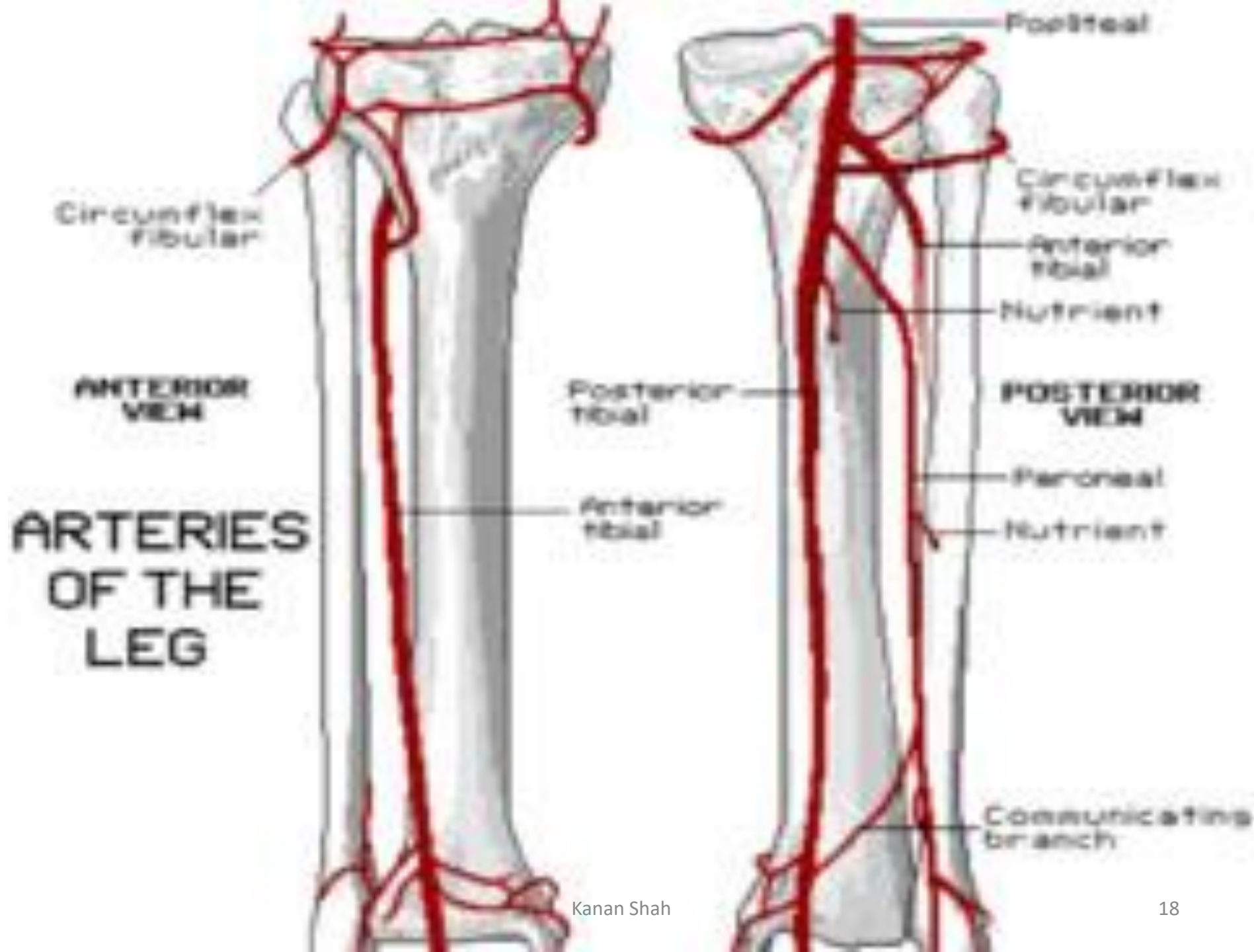
Peroneal artery

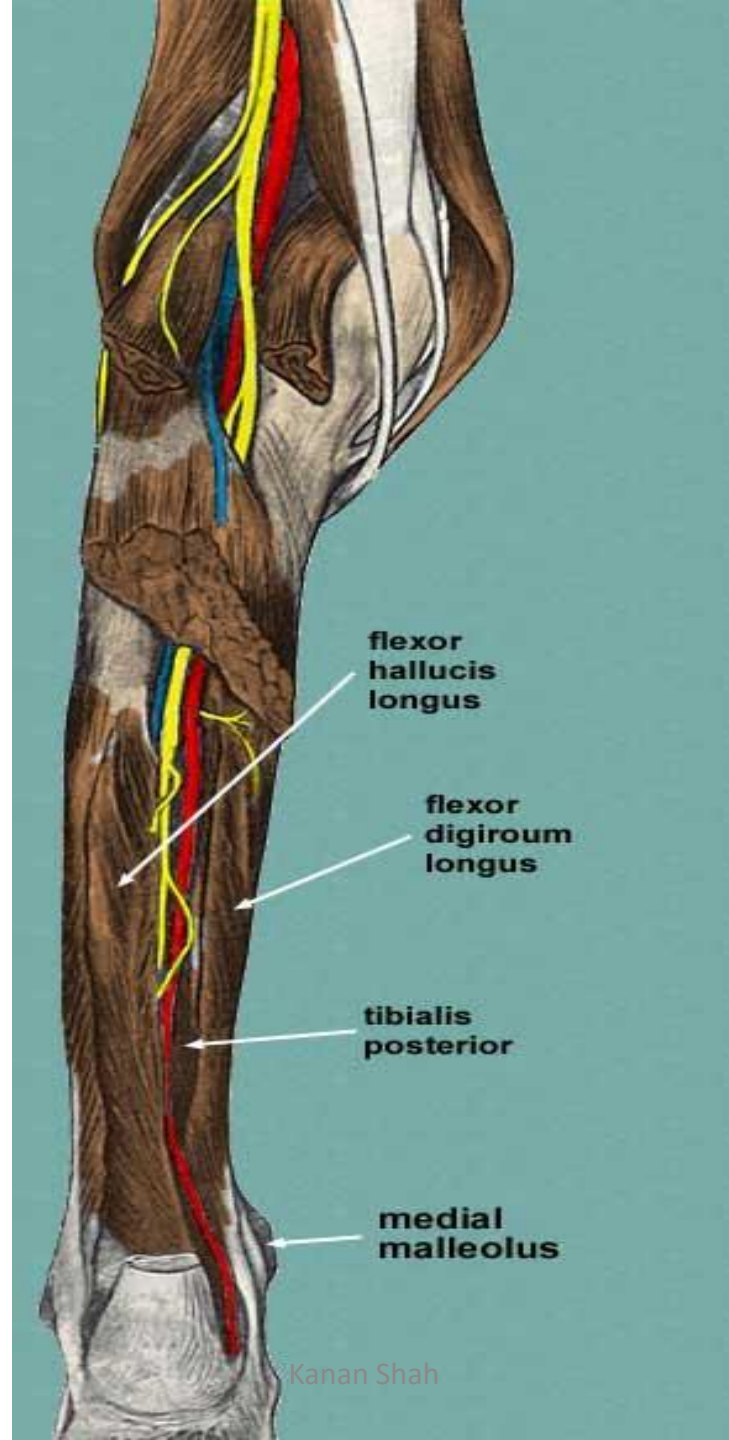
Muscular artery

Nutrient artery

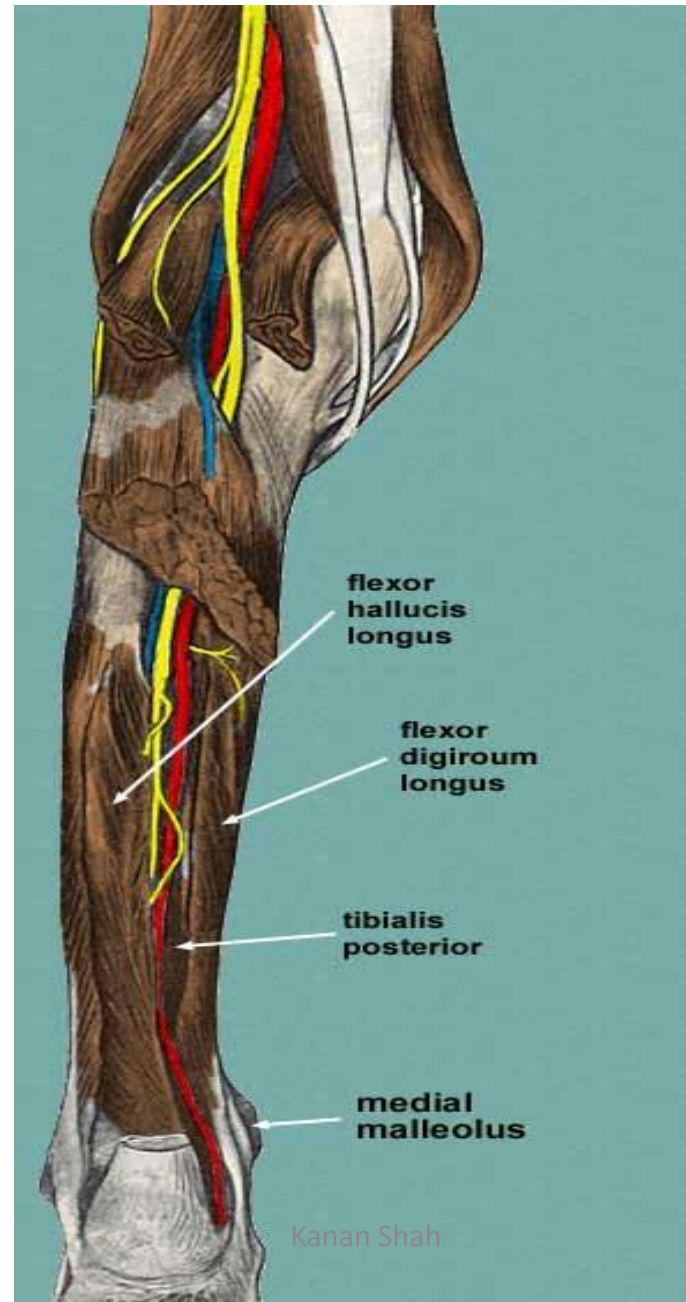
Anastomotic branches

Terminal branches





TIBIAL NERVE



Diverse tendon

Gastrocnemius-Long planter tendon

Soleus –Flexor digitorum bravis

Plantaris –planter aponurosis

Popliteus derived from–Femoro
fibular articular disk

Aknowledgements

- Human Anatomy by BD Chaurasia
- Gray's Anatomy
- Essentials of Human Antomy: Upper Limb and Lower Limb by Asimkumar Dutta