Lateral Compartment Of Leg

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Learning objectives

• By the end of this teaching session all the students must be able to correctly:
• Describe and demonstrate the location of anterolateral compartment of leg
• Enumerate the muscles and describe their attachment
• Describe the nerve supply of lateral compartment of leg
• Demonstrate the action of muscles of lateral compartment of leg
Preface

• Peroneal Retinacula: Superior And Inferior

• Muscles: Peroneus/ Fibularis Longus
  Peroneus/Fibularis Brevis

• Nerve: Superficial Peroneal Nerve

• Vessels: Peroneal Artery, Small Saphenous Vein

• Evertors Of Foot
Boundary

- Anteriorly: anterior intermuscular septum
- Posteriorly: posterior intermuscular septum
- Medially: lateral surface of fibula
- Laterally: deep fascia of leg

Transverse section of right leg
Superior Peroneal Retinaculum

- Deep fascia

- Location
  Behind lateral malleolus

- Attachment
  Anteriorly: posterior margin of lateral malleolus
  Posteriorly: lateral surface of calcaneum
  Superficial transverse fascial septum
Inferior Peroneal Retinaculum

• Deep fascia

• Location
  Anteroinferior to lateral malleolus

• Attachment
  Superiorly: superior surface of calcaneum
  Inferiorly: lateral surface of calcaneum
Peroneus/ Fibularis Longus

- Superficial to peroneus brevis

- Origin
  upper 2/3\(^{rd}\) lateral surface of shaft of fibula
  Head of fibula
  Occasionally lateral tibial condyle

- Insertion:
  medial cuneiform
  Base of metatarsal 1
Peroneus/ Fibularis Brevis

- Deep to peroneus longus

- Origin: anterior half of middle 1/3rd lower 1/3rd of lateral surface of fibula anterior & posterior intermuscular septa

- Insertion: base of metatarsal v

Action: eversion of foot
Innervation And Actions Of Muscles

• Innervation: superficial peroneal nerve

• Actions
Peroneus longus: eversion and plantarflexion of foot
  supports arches of foot

Peroneus brevis: eversion of foot
Peroneal Retinaculum

**Superior peroneal retinaculum**
- both tendons common synovial sheath

**Inferior peroneal retinaculum**
- Enclosed separate synovial sheath
- superior compartment: Peroneus brevis
- inferior compartment: Peroneus longus
Superficial Peroneal Nerve

- L5, S1, S2

- Branch of common peroneal nerve

- Begins: lateral side of neck of fibula

- Terminate: medial branch
  lateral branch

- Branches: muscular, cutaneous, communicating
  medial and lateral branch
Course of superficial peroneal nerve
Applied Anatomy

• Sensory loss

• Loss of eversion
If you want to be more powerful in life, educate yourself. Its that simple.

Thank you