

## Lower Leg Anatomy Quiz PDF

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**Discuss the potential impact of a fibula fracture on lower leg function and mobility.**

**What is the primary function of the tibialis anterior muscle?**

- Plantarflex ion
- Dorsiflex ion
- Eversion
- Knee extension

**Which bone is located lateral to the tibia?**

- Femur
- Patella
- Fibula
- Talus

**Which arteries supply blood to the lower leg? (Select all that apply)**

- Anterior tibial artery
- Popliteal artery
- Posterior tibial artery
- Radical artery

**What are the main functions of the fibula? (Select all that apply)**

- Weight-bearing
- Muscle attachment
- Stabilizing the ankle
- Protect the knee joint

**Which condition is characterized by increased pressure within a muscle compartment?**

- Tendinitis
- Shin splints
- Compartment syndrome
- Sprain

**Which nerve supplies the posterior compartment of the lower leg?**

- Sciatic nerve
- Common fibular nerve
- Tibial nerve
- Femoral nerve

**Which ligament is primarily responsible for stabilizing the medial side of the ankle?**

- Anterior talofibular ligament
- Deltoid ligament
- Calcaneofibular ligament
- Posterior cruciate ligament

**Which of the following are part of the lateral ligaments of the ankle? (Select all that apply)**

- Anterior talofibular ligament
- Deltoid ligament
- Calcaneofibular ligament
- Posterior talofibular ligament

**Discuss the differences in function between the anterior and posterior compartments of the lower leg.**

**Explain the role of the tibia in the lower leg and how it contributes to movement and stability.**

**Describe the blood supply to the lower leg and its importance for muscle function.**

**Which bone is known as the shinbone?**

- Fibula
- Tibia
- Patella
- Femur

**Which muscle is part of the superficial posterior compartment of the lower leg?**

- Tibialis anterior
- Peroneus longus
- Gastrocnemius
- Flexor digitorum longus

**Which muscles are involved in plantarflexion of the foot? (Select all that apply)**

- Gastrocnemius
- Soleus
- Tibialis anterior
- Flexor digitorum longus

**Which muscles are located in the anterior compartment of the lower leg? (Select all that apply)**

- Tibialis anterior
- Peroneus longus
- Extensor digitorum longus
- Soleus

**Describe the process and implications of compartment syndrome in the lower leg.**

**What is the continuation of the femoral artery in the lower leg?**

- Anterior tibial artery
- Popliteal artery
- Posterior tibial artery
- Dorsalis pedis artery

**Explain how the structure of the knee joint contributes to its stability and movement.**

**Which of the following are common injuries of the lower leg? (Select all that apply)**

- Fractures
- Sprains
- Tendinitis
- Osteoporosis