



## Checklist for Neurological Examination of the Lumbar and Sacral Plexuses

### **Dermatomes**

- ☐ Lateral hip and groin (L1)
- ☐ Anterior medial thigh (L2)
- ☐ Medial aspect of the knee (L3)
- ☐ Medial lower leg (L4)
- ☐ Lateral lower leg and dorsum of foot (L5)
- ☐ Lateral plantar foot (S1)
- ☐ Popliteal fossa and posterior medial heel (S2)

### **Peripheral Sensory Distributions**

- ☐ Dorsal web space (deep fibular)
- ☐ Dorsum of foot and lateral, lower leg (superficial fibular)
- ☐ Posterior medial plantar heel (tibial)
- ☐ Medial plantar surface of the foot (medial plantar)

### **Myotomes**

- ☐ Hip flexion (L1, L2)
- ☐ Knee extension (L3, L4)

- ☐ Ankle dorsiflexion (L4)
- ☐ Great toe extension (L5)
- ☐ Ankle eversion (S1)
- ☐ Knee flexion (S2)

### **Peripheral Motor Distributions**

- ☐ Plantar flexion and toe flexion (tibial)
- ☐ Ankle eversion (superficial peroneal)
- ☐ Great toe extension (deep peroneal)

### **Deep Tendon Reflexes**

- ☐ Patellar tendon (L3, L4)
- ☐ Tibialis posterior tendon (L4, L5)
- ☐ Achilles tendon (S1, S2)
- ☐ Medial hamstring tendon (L5, S1)
- ☐ Lateral hamstring tendon (S1, S2)

### **Superficial Reflexes**

- ☐ Cremasteric (T12, L1) Gluteal (L4, L5, S1-S3)
- ☐ Plantar (S1, S2)
- ☐ Anal (S2-S4)