

Muscle	Nerve	Roots ¹						Trunks			Cords		
		C4	C5	C6	C7	C8	T1	Sup	Med	Inf	Lat	Post	Med
Trapezius	Spinal accessory	+	.	.	.	.	.	+	.	.	.	.	.
Rhomboid	Dorsal scapular	+	+	.	.	.	.	+	.	.	.	.	.
Supraspinatus	Suprascapular	.	+	+	.	.	.	+	.	.	.	.	.
Infraspinatus	Suprascapular	.	+	+	.	.	.	+	.	.	.	.	.
Deltoid	Axillary	.	+	+	.	.	.	+	.	.	.	+	.
Teres minor	Axillary	.	+	+	.	.	.	+	.	.	.	+	.
Biceps	Musculocutaneous	.	+	+	.	.	.	+	.	.	+	.	.
Brachioradialis	Radial	.	+	+	.	.	.	+	.	.	.	+	.
Pectoralis major upper	Lateral Pectoral	.	+	+	+	+	.	.	.	.	+	.	.
Pectoralis minor	Medial Pectoral	.	.	.	+	+	.	.	.	.	.	.	+
Serratus anterior	Long thoracic	.	+	+	+	.	.	.	.	.	.	.	.
Supinator	Radial	.	.	+	.	.	.	+	.	.	.	+	.
Pronator teres	Median	.	.	+	+	.	.	+	.	.	+	.	.
Latissimus dorsi	Thoracodorsal	.	.	+	+	+	.	.	+	.	.	+	.
Teres major	Lower subscapular	.	+	+	+	.	.	.	.	.	.	+	.
Extensor digitorum	Radial	.	.	±	+	+	.	.	+	.	.	+	.
Flexor carpi radialis	Median	.	.	+	+	.	.	.	+	.	+	.	.
Pronator quadratus	Anterior Interosseus	.	.	.	+	+	+	.	+	+	+	.	+
Flexor digitorum profundus	Anterior Interosseus Ulnar	.	.	.	+	+	+	.	+	+	+	.	+
Triceps	Radial	.	.	+	+	+	.	.	+	.	.	+	.
Extensor indicis	Radial	.	.	.	+	+	+	.	.	+	.	+	.
Dorsal interosseus I	Ulnar	.	.	.	.	+	+	.	.	+	.	.	+

Abductor pollicis brevis	Median	.	.	.	.	+	+	.	.	+	.	.	+
Paraspinal	Cervical	+	+	+	+	+	+	.	.	.	.	.	.
Muscle	Nerve	C4	C5	C6	C7	C8	T1	Sup	Med	Inf	Lat	Post	Med

Sup = Superior; Inf = Inferior; Med = Medial; Lat = Lateral; Post = Posterior

Roots

Muscle	Nerve	Roots								
		L1	L2	L3	L4	L5	S1	S2	S3	
Psoas minor	Lumbar Plexus	+	+	.	.	.	.	.	.
Psoas major	Lumbar plexus	+	+	+	.	.	.	.	.
Sartorius	Femoral	.	+	+	.	.	.	.	.
Quadriceps (Vasti & Rectus)	Femoral	.	+	+	+	.	.	.	.
Adductors	Obturator	.	+	+	+	.	.	.	.
Adductor magnus	Obturator Sciatic, Tibial portion	.	+	+	+	+	+	.	.	
Gracilis	Obturator	.	+	+	+	.	.	.	.
Gluteus med & min	Superior gluteal	.	.	.	+	+	+	.	.	
Gluteus maximus	Inferior gluteal	.	.	.	.	+	+	+	.
Pyriformis	Sacral Plexus	.	.	.	.	.	+	+	.
Biceps (short head)	Sciatic (Peroneal)	.	.	.	.	+	+	+	.
Biceps (long head)	Sciatic (Tibial)	.	.	.	.	±	+	+	±
Semitendinosus	Sciatic (Tibial)	.	.	.	.	+	+	+	.
Anterior tibial	Deep peroneal	.	.	.	+	+	.	.	.	
Ext. hallucis longus	Deep peroneal	.	.	.	.	+	+	.	.
Peronei	Superficial peroneal	.	.	.	.	+	+	.	.
Posterior tibial	Tibial	.	.	.	.	+	+	.	.

Gastrocnemius	Tibial	.	.	.	.	.	+	+	.
Soleus	Tibial	.	.	.	.	.	+	+	.
Flexor digitorum brevis	Medial plantar	.	.	.	.	+	+	.	.
Abductor hallucis	Medial plantar	.	.	.	.	.	+	+	.
Interossei	Lateral plantar	.	.	.	.	.	+	+	.

LUMBO-SACRAL ROOT LESIONS: CLINICAL FEATURES				
Root	Motor Involvement	Sensory Loss	Pain Location	Reflex Disorder
L1	None	Inguinal	Inguinal	None
L2	Psoas	Thigh, Lateral & Anterior	Groin Thigh, Anterior	None
L3	Psoas Quadriceps Hip adductors	Thigh, Medial Knee	Thigh, Anterior Leg, Anterior	Knee
L4	Quadriceps Hip adductors Tibialis anterior	Leg, Lower medial	Leg, Anterior & Medial	Knee
L5	Toes, Extensor & Flexor Ankle, Dorsiflex, Inversion & Eversion Hip, Abductor	Leg, Lower lateral Foot, Dorsum & Great toe	Thigh, Lateral Leg, Lower lateral Foot, Dorsum	? Hamstring
S1	Gastrocnemius Hamstrings Gluteus maximus Toe flexors	Foot, Lateral 2 toes & Plantar Ankle, Lateral	Thigh, Posterior Leg, Lower posterior Foot, Posterior	Ankle
S2-4	None	Buttocks, Medial Perineum Perianal	Buttocks, Medial	Bulbocavernosus Anal wink