

**Table 8.6** Sensory, Motor, and Reflex Distributions for the Brachial Plexus

Nerve root/peripheral nerve	Dermatome	Myotome	Reflex
C5	Deltoid patch, lateral upper arm	Shoulder abduction (deltoid), elbow flexion (biceps)	Biceps (brachioradialis)
C6	Lateral forearm, radial side of hand, thumb, and index finger	Elbow flexion (biceps, supinator), wrist extension	Brachioradialis (biceps)
C7	Posterior lateral arm and forearm, middle finger	Elbow extension (triceps), wrist flexion	Triceps
C8	Medial forearm, ulnar border of hand, ring and little finger	Ulnar deviation, thumb extension, finger flexion and abduction	None
T1	Medial elbow, arm	Finger abduction (hand intrinsics)	None
Musculocutaneous (C5-C7)	Lateral forearm	Elbow flexion (biceps)	None
Median (C5-C7 and C8, T1)	Distal radial aspect, index finger	Thumb pinch, opposition, and abduction	None
Ulnar (C8, T1, some C7)	Distal ulnar side of 5th finger	Abduction, 5th finger (abductor digit minimi)	None
Axillary (C5, C6)	Lateral arm, deltoid patch	Shoulder abduction (deltoid)	None
Radial (C5-C8, T1)	Dorsal web space, between thumb and index fingers	Wrist extension, thumb extension	None

From S. Shultz, P. Houglum, and D. Perrin, 2016. *Examination of musculoskeletal injuries*, 4th ed. (Champaign, IL: Human Kinetics).