				Nerve	
Muscle	Origin	Insertion	Nerve Supply	Roots	Action
<b>Anterior Comp</b>	partment Bice	ps brachii			
Long head	Supraglenoid tubercle of scapula	Tuberosity of radius and bicipitalaponeurosis into deep fascia of forearm	nerve	sC5, 6	Supinator of forearm and flexor of elbow joint; weak flexor of shoulder joint
Short head		cess of scapula			
Coracobrachial	isCoracoid process of scapula	Medial aspect of shaft of humerus	Musculocutaneou nerve	sC5, <b>6,</b> 7	Flexes arm and alsoprocess of weak adductor
Brachialis	Front of lower half of humerus	Coronoid process of ulna	f Musculocutaneou nerve	isC5, 6	Flexor of elbow joint
<b>Posterior Com</b>	partment Tri	ceps			
Long head		tubercle of scapula			
Lateral head	Upper half of posterior surface of shaft of	fOlecranon process of ulna	Radial nerve	C6, 7, 8	Extensor of elbow joint
	humerus				
Medial head		f posterior surface of supply is indicated by			

DeltoidLateral third of

dLateral third of Middle of lateral Axillary clavicle, acromion, surface of shaft nerve spine of scapula of humerus 6 flex and medially rotate arm; posterior fibers extend and laterally rotate arm

				Nerve	
Muscle	Origin	Insertion	Nerve Supply		Action
Pronator Teres					
Humeral head Ulnar head	Medial epicondyle of humerus Medial border o	of shaft of radius	Median nerve	C6, 7	Pronation and flexion of forearm
Flexor carpi radiali		Bases of second and third metacarpal bones	Median nerve	C6, 7	Flexes and abducts hand at wrist joint
Palmaris longus	Medial epicondyle of humerus	Flexor retinaculum and palmar aponeurosis	Median nerve	C7, 8	Flexes hand
Flexor Carpi Ulnari	S				
Humeral head	Medial epicondyle of humerus	Pisiform bone hook of the hamate, base at fifth metacarpal bone	,Ulnar nerve	C8; T1	Flexes and adducts hand at wrist joint
Ulnar head	Medial aspect of	f olecranon pro	cess and poster	ior bord	ler of ulna
Flexor DigitorumSu					
Humeroulnar head	Medial epicondyle of humerus; media border of coronoid proces of ulna	fingers	Median nerve	C7, 8; T1	Flexes middle phalanx of fingers and assists in flexing proximal phalanx and hand
Radial head	Oblique line on	anterior surface	e of shaft of rac	lius	
Flexor pollicislongus	Anterior surface of shaft of radiu	Distal phalanx			Flexes distal phalanx of thumb
Flexor	Anteromedial	Distal	Ulnar (medial	C8; T1	Flexes distal

digitorumprofundus surface of shaft phalanges of half) and of ulna

medial four fingers

median (lateral half) nerves

phalanx of fingers; then assists in flexion of middle and proximal phalanges and wrist

Table 9-	7 Muscles of the	Lateral Fascial	Compar	tment of	the Forearm
			Nerve	Nerve	
Muscle	Origin	Insertion	Supply	Rootsa	Action
Brachioradialis	Lateral supracondylar ridge of humerus	Base of styloid process of radius	Radial nerve	C5, 6, 7	Flexes forearm atridge of humerus elbow joint; rotates forearm to the midprone position
Extensor carpi radialislongus	Lateral supracondylar ridge of humerus	Posterior surfactor of base of second metacarpal bone	nerve	C6, 7	Extends and abducts hand at wrist joint

Table 9-8 Muscles of the Posterior Fascial Compartment of the Forearm

			Nerve	Nerve	
Muscle	Origin	Insertion	Supply	Rootsa	Action
1	Lateral	Posterior	Deep	C7, 8	Extends and abducts
radialisbrevis	epicondyle of humerus	surface of base of third metacarpal bone	branch of radial nerve		hand at wrist joint
Extensor	Lateral	Middle and	Deep	C7, 8	Extends fingers and
digitorum	epicondyle of humerus				hand (see text for details)
		fingers	nerve	a= 0	
Extensor carpi ulnaris	Lateral epicondyle of humerus	Base of fifth metacarpal bone	Deep branch of radial	C7, 8	Extends and adducts hand at wrist joint
			nerve		
Anconeus	Lateral epicondyle of humerus	Lateral surface of olecranon process of ulna	nerve	C7, 8; T1	Extends elbow joint
Abductor pollicislongus	Posterior surface of	Base of first metacarpal	Deep branch of	C7, 8	Abducts and extends thumb

	shafts of radiu and ulna	sbone	radial nerve		
Extensor pollicisbrevis	Posterior surface of shaft of radius	Base of proximal phalanx of thumb	Deep branch or radial nerve	C7, <b>8</b>	Extends metacarpophalangeal joints of thumb
Extensor pollicislongus	Posterior surface of shaft of ulna	Base of distal phalanx of thumb	Deep branch or radial nerve	C7, <b>8</b>	Extends distal phalanx of thumb

Short Muscles of	Thumb			
Abductor pollicisbrevis	Scaphoid, trapezium, flexor retinaculum	Base of proximal phalanx of thumb	Median nerve	C8; Abduction of thumb
Flexor pollicisbrevis	Flexor retinaculum	Base of proximal phalanx of thumb	Median nerve	C8; Flexes T1 metacarpophalangeal joint of thumb
Opponenspollicis	Flexor retinaculum	Shaft of metacarpal bone of thumb	Median nerve	C8; Pulls thumb medially T1 and forward across palm
	Oblique head; second and third metacarpal bones; transverse head; third metacarpal bone	Base of proximal phalanx of thumb	Deep branch o ulnar nerve	C8; Adduction of thumb
<b>Short Muscles of</b>	Little Finger			
Abductor digitiminimi	Pisiform bone	Base of proximal phalanx of little finger	Deep branch o ulnar nerve	C8; Abducts little finger fT1

Palmar First arises from Proximal Deep C8; Palmar interossei adduct fingers base of first phalanges of branch T1 toward center of third finger metacarpal; thumb and index, of ulnar remaining three ring, and little nerve from anterior fingers and surface of shafts of dorsal extensor second, fourth, and expansion of each finger (Fig. fifth metacarpals 9-69)

Dorsal Contiguous sides of Proximal

(4) shafts of metacarpalphalanges of bones index, middle, and ring finger.

and ring fingers nerve and dorsal extensor expansion (Fig. 9-69)

Deep C8; Dorsal interosseiabductshafts of branch T1 metacarpal fingers from center of ulnar of third finger; both palmar and dorsal flex

metacarpophalangeal joints and extend interphalangeal joints