

TABLE 20.—*Median nerve palsy*^{1,2,3}

Needed function	Preferred motor	Alternate motors	
Index and long finger flexion (FDP—index and long)	Flexor digitorum profundus tenodesis in forearm	Tenodesis, flexor digitorum profundus at DIP joint	
Thumb flexion (FPL) distal phalanx	Brachioradialis	Extensor Carpi radialis longus	
Thumb abduction for opposition (APB)	Extensor indicis propius	(Low) Palmaris longus (or) Extensor digiti quinti (or) Flexor digitorum superficialis (ring)	(High) Extensor carpi ulnaris
Sensibility (thumb-index)	Neurovascular cutaneous island pedicle from ring finger	Free neurovascular cutaneous island flap	Free vascularized nerve graft

¹ Omer, George E., Jr., et al. 1970. Neurovascular cutaneous island pedicles for deficient median-nerve sensibility. *J. Bone Joint Surg. (Am.)* 52:1181–1192.

² Omer, George E., Jr. 1968. Evaluation and reconstruction of the forearm and hand after acute traumatic peripheral nerve injuries. *J. Bone Joint Surg. (Am.)* 50:1454–1478.

³ Omer, George E., Jr. 1983. The palsied hand. Ch. 16 in *Surgery of the Musculoskeletal System*, vol. 1, ed. C. McCollister Evarts, London: Churchill Livingstone.