Proximal Humerus Fractures

The Normal Humerus



The humerus makes up the "ball" of the "balland-socket" shoulder joint. The lower or distal part of the humerus makes up the elbow joint with the radius and ulna. The name "humerus" comes from the greek omos, meaning shoulder. The humerus provides the attachment site for a number of different muscles and ligaments, forming and stabilizing the shoulder joint. The rotator cuff muscles, biceps, pectoralis major, teres major and latissimus dorsi tendons all attach to the humerus.

Deltoid Tuberosit

Lateral Epicondy

Medial Epico

Proximal Humerus Fracture



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Treatments	NON-OPERATIVE
	Up to 85% of fractures can be treated non-operatively: typically non-displaced type 1
	and 2s.
	-The shoulder is immobilized in a sling for a period of 2-
	3 weeks.
	-Range of motion exercises are started and as healing
	progresses more strengthening exercises can be
	incorporated.
	-Full healing typically takes about 3 months.
	OPERATIVE
	If the fracture is displaced, surgery may be necessary to realign or replace the bone.
	Important factors will include age, hand dominance, activity level, and degree of bone
	displacement.
	-Operative treatment includes holding the bone fragments in place with a metal plate
	or percutaneous fixation- where pins are placed through the skin to hold the fracture in
	place until it heals.
	-A shoulder replacement may be necessary if there are concerns about repairing the
	bone. Wetal plate fixation
	Outcomes after treatment of proximal humerus fractures are somewhat dependent on the scale of the surgeon providing the care. Studies have shown that surgeons you routinely treat these problems have better outcomes than those who only treat proximal humerus fractures occasionally. Surgical treatment of these injuries are complex and sometimes challenging and require carefully, meticulous technique to ensure that the best possible outcome can be achieved. Surgeon training and volume directly correlates to these variables.