

BRACHIAL PLEXUS

Aims

- ① Level of lesion
- ② Extent
- ③ Poor prognostic signs

EVEL	Supra	Roots	Pre	Post	ganglionic
		Trunks			
	Infraclavicular				

POOR PROGNOSTIC SIGNS

- Elderly
- High energy
- Pain anaesthetic arm
- Flaccid paralysis
- Preganglionic

T1 sympathetic chain

Herner's Palsy
Meiosis
Encephalomas
Anhidrosis

→ Phrenic N palsy C_{3, 4, 5} CXR

LOOK Standing Working
Seers
Homers
Position of arm (IR)

FEEL	Sweating	
	Pulse (A/w cord injury)	
Sensation	<u>Dermatomes</u>	C5-T1
	Peripheral nerves	

MOVE	OS	Elbow flexion	Elbow
	C6	wrist extension	
	C7	Elbow extension	wrist
	C8	Finger flexion	
	T1	Finger abduction	

AS1A

BRACHIAL PLEXUS

Surgical priorities

Elbow flexion

Shoulder abduction

Hand function

Low energy observe 3/12 - 6/12

High energy surgery 3/12

Best sign of nerve regeneration = advancing Tinel's

Isolated C8/T1 Tx with tendon t/f

Elbow flexion Obelin UN (Fou) $\rightarrow$ MCN

Shoulder abduction Spinal accessory N $\rightarrow$ S-praxapulo nerve

Cable nerve graft (axial, MBGN, MAGCN) repair in young < 3/12 w/ing

No recovery after 6-12 months tendon t/f & shoulder arthrodisis