

## SUMMARY

A syndrome consisting in severe pain across the shoulder and upper arm, followed by atrophic paralysis of muscles round the shoulder girdle, is described. On clinical grounds it is thought that the pathological

process can involve one or more peripheral nerves, two or more spinal roots, or the spinal cord.

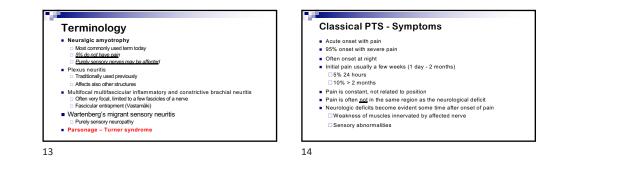
The condition appears to be a distinct clinical entity which became increasingly common during the war years. A similar syndrome may occur some days after the injection of serum, and the two conditions are probably identical, though the ætiology is unknown.

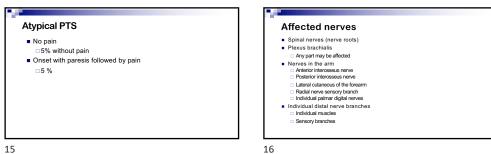
The name "neuralgic amyotrophy " is suggested.

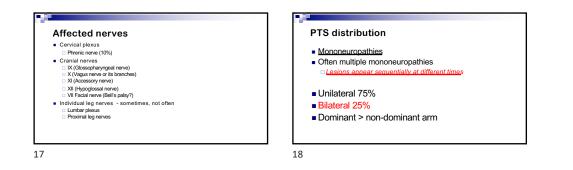
11

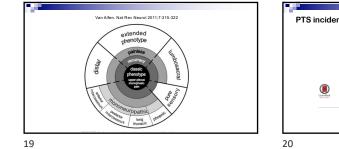


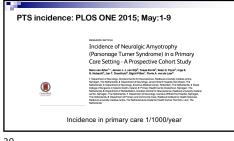
12

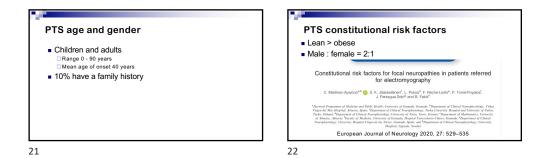


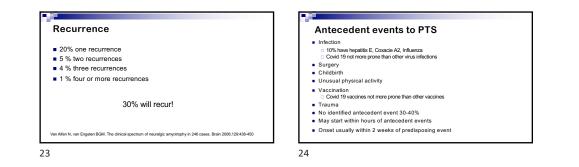


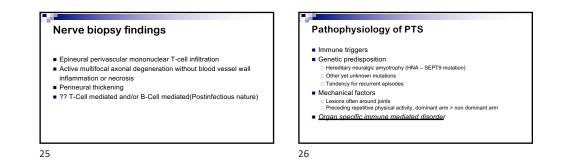


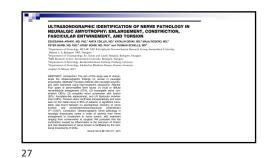




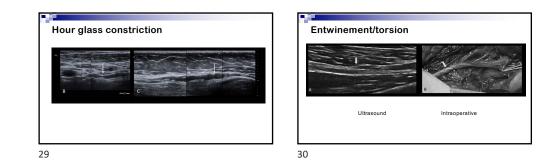


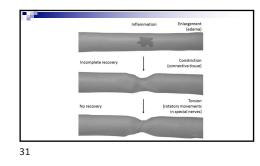


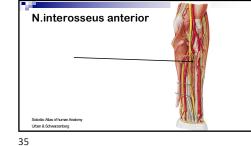










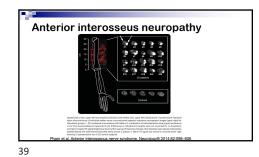


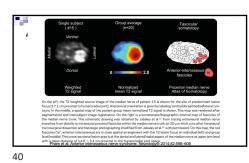


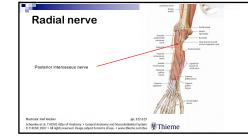
## N.anterior interosseus Severe pain in the forearm 2 days to 2 months Bistal phalanx of thumb and forefinger flexion weak Variable recovery Parsonage Turner syndrome (neuralgic amyotrophy)

Anterior interosseus syndrome not an entrapment



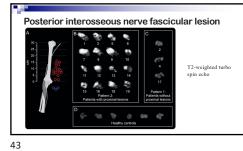


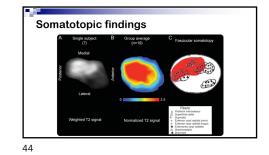






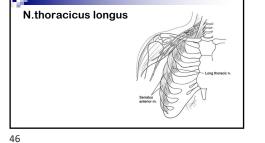






- N.thoracicus longus

- Winging of the scapulaDifficulty of abduction of the arm above the shoulder
- Slow recovery
- axonal reinnervation starts at 6-8 months after onset recovery completed at two years after onset

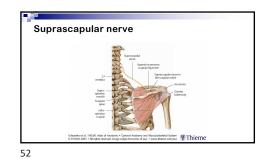


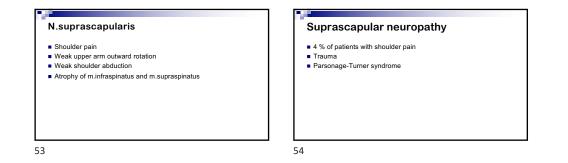


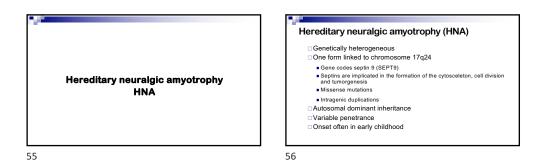


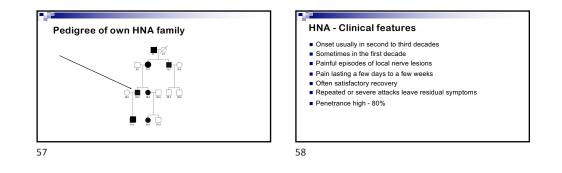


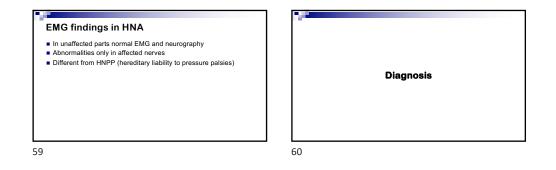


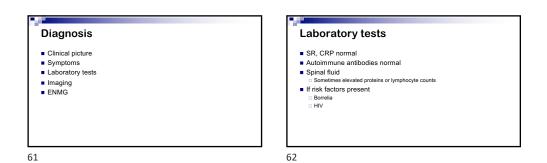


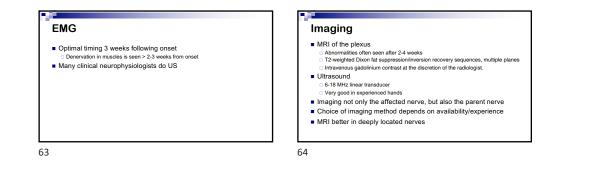


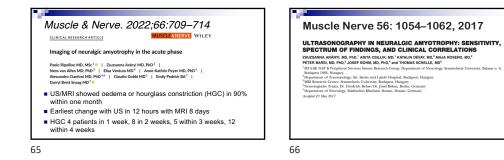


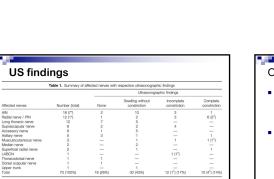








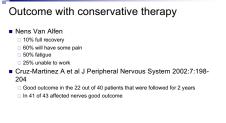


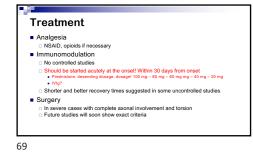


flected nerves

67

AIN, anterior interosseous nerve; PIN, posterior interosseous nerve; LABCN, lateral antebrachiel cutaneous nerve.



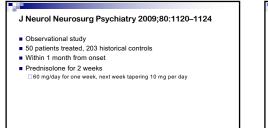


J Neurol Neurosurg Psychiatry 2009;80:1120-1124

Evaluation of prednisolone treatment in the acute phase of neuralgic amyotrophy: an observational study  $\label{eq:study}$ 

J J J van Eijk,<sup>1</sup> N van Alfen,<sup>1,2</sup> M Berrevoets,<sup>1</sup> G J van der Wilt,<sup>3</sup> S Pillen,<sup>2</sup> B G M van Engelen<sup>1</sup>

70

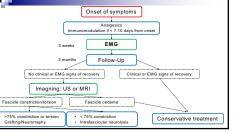


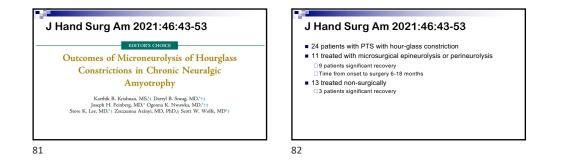
Median time (days) until initial pain relief (mean)	Study group	Historical controls	
	12.5 (17.1)	20.5 (37.2)	Not significant p = 0.13
Recovery of strength within 1 month	9/50 (18.0%)	11/174 (6.3%)	p = 0.011
Full functional recovery within the first year	6/50 (12.0%)	2/189 (1.0%)	p<0.001
Good (but not full) self-reported recovery within			
6 months	16/50 (32%)	3/103 (2.9%)	p<0.001
12 months	22/50 (44.0%)	11/103 (10.7%)	p<0.001
Shorter duration of pain			
Functional recovery of wea	kness earlier		

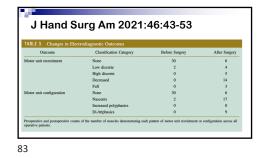
71

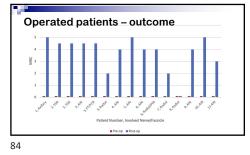


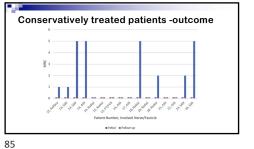
73



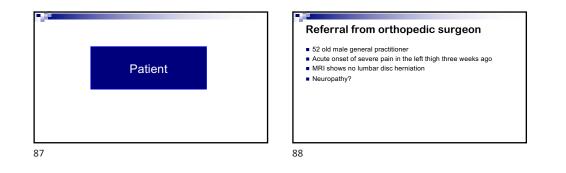


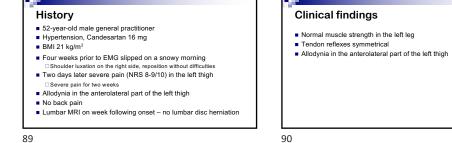




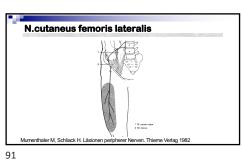


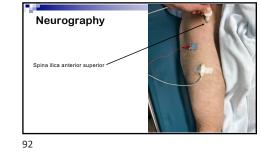


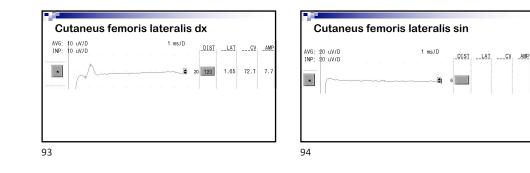


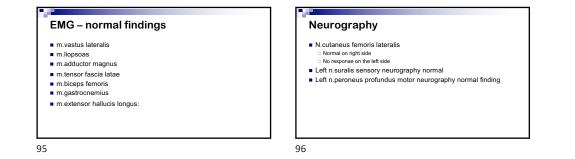












## Conclusion

- N.cutaneus femoris lateralis neuropathy on the left side
  Etiology?
- Acute onset and severe pain not compatible with "meralgia paresthetica"
   Normal BMI not compatible with "meralgia paresthetica"
   Most likely cause is Parsonage-Turner syndrome
   Triggered by the shoulder luxation

## Outcome one year later

- Pain subsided completely in 6 weeks
- Slight dysesthesia and hypoesthesia over anterolateral part of the left thigh

97

