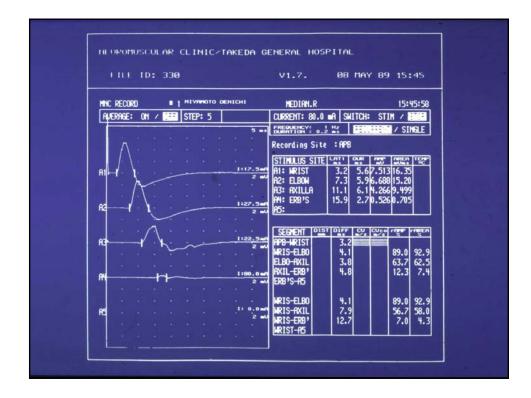
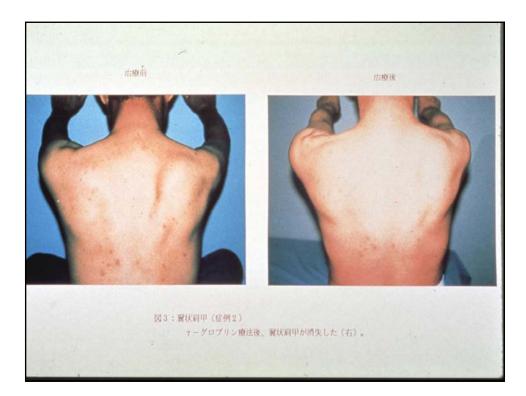
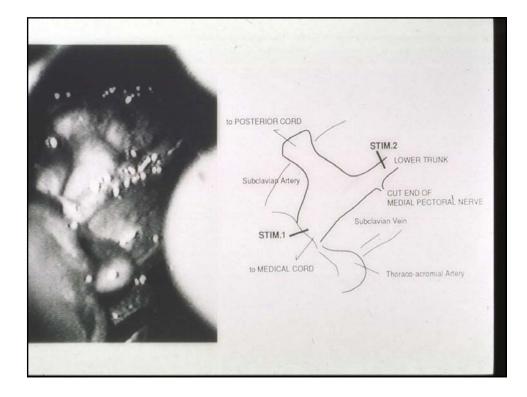


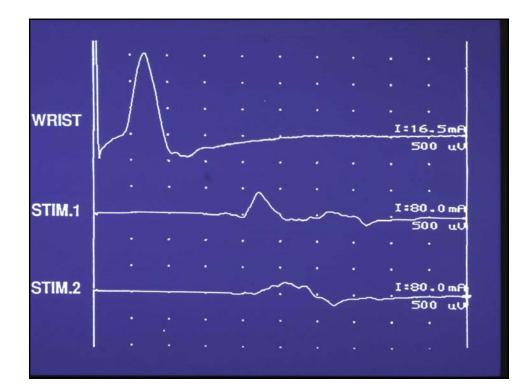
	PHYSIOLOGICAL FINE	DINGS		
	Nerve Conduction Study			
All of the second se	Rt	CV(m/sec)	Amp (mV)	
	Median wrist (d.l.	3.4 msec)	6	
	wrist-elbow	51	6.2	
	elbow-axilla	51	5.5	
44	axilla-Erb	40	0.4	
	<u>Ulnar</u> wrist (d.l.	2.9 msec)	14	
	wrist-b.elb	56	14	
	b.elb-axilla	54	13	
	axilla-Erb	not eve	ked	
	<u>Radial</u> b.elb (d.l.	3.6 msec)	11	
1.1.1.1	b.elb-a.elb	50	11	
	a.elb-sp.groo	ove 72	9.8	
	sp.groove-Er	b 48	1.6	
	EMG			
	1+ fibs and positives			
	in rt supraspinatus,	deltoid and AP	В	
	chronic partial denervat	ion		
	in rt serratus ant, de	eltoid, supra-/in	ra-spinati	
	triceps, biceps, El	DC, APB, 1st D	0	
	Normal in paraspinal m	ucolog		



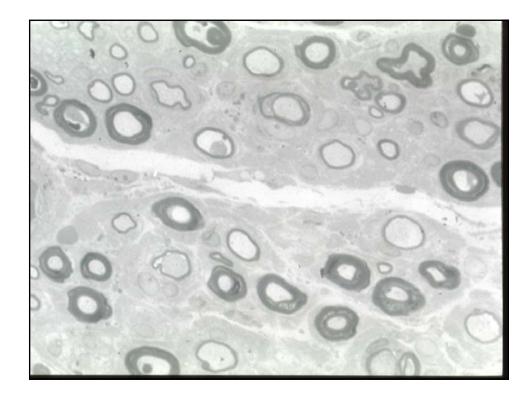












PHYSIOLOGICAL CONSEQUENCES OF DEMYELINATION

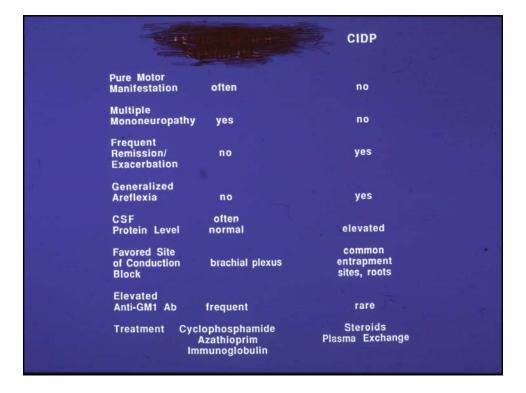
- 1. COMPLETE CONDUCTION BLOCK
- 2. SLOWED CONDUCTION
- FAILURE TO TRANSMIT HIGH-FREQUENCY IMPULSES (RATE-DEPENDENT BLOCK)
 ECTOPIC IMPULSE GENERATION
- 5. EPHAPTIC TRANSMISSION

rticle abstract—We describe five patients with a chronic asymmetric sensorimotor neuropathy most pronounced a the upper extremities with focal involvement of individual nerves. Diagnosis was established by electrophysiologic vidence of persistent multifocal conduction block. Sural nerve biopsy in three patients showed primarily demyenating-remyelinating changes with varying degrees of fiber loss. Two patients had acute optic neuritis. indicating nat the disorder was not always restricted to the peripheral nervous system. Two patients treated with corticosteroids nproved, whereas three untreated patients had static deficits or steady progression of symptoms. Chronic multifocal emyelinating neuropathy with persistent conduction block seems to be a variant of chronic acquired demyelinating olyneuropathy and may be immunologically mediated.

NEUROLOGY (Ny) 1982;32:958-64

Multifocal demyelinating neuropathy with persistent conduction block

Richard A. Lewis, Austin J. Sumner, Mark J. Brown, and Arthur K. Asbury

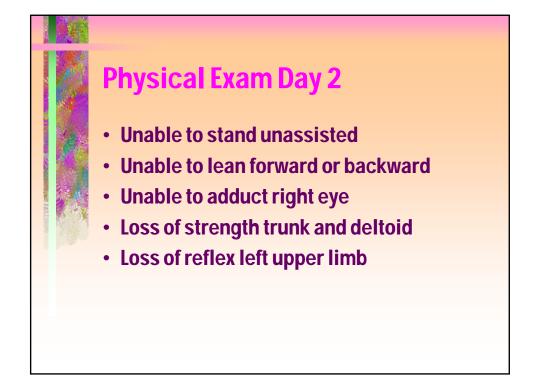


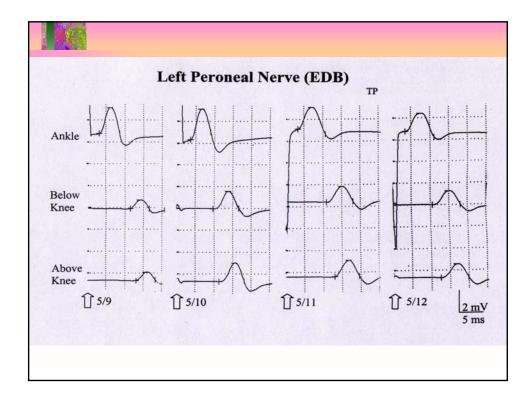
ISTORY

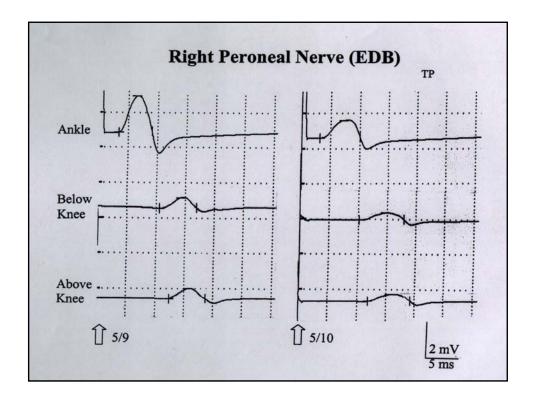
A 21 year old white male, known asthmatic, developed purpura on palms and soles 4 days PTA followed, 2 days later, by lower limb weakness and loss of balance. Hx of respiratory infection and diarrhea.

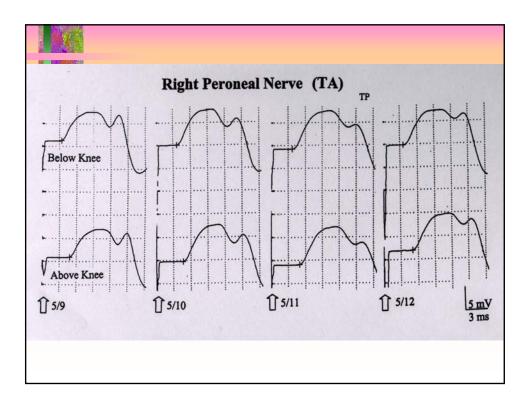
Physical Exam Day 1

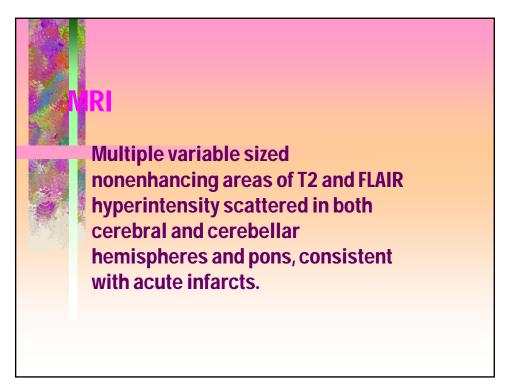
- Purpura/petechiae palms and dorsal aspects of feet
- Grips right 3/5, left 3-4/5
- Plantar Flexion right 4/5, left 5/5
- Reflex knee 0/2, ankle 0/2
- Unable to toe walk

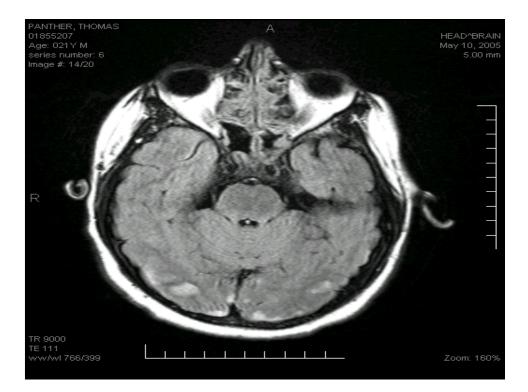


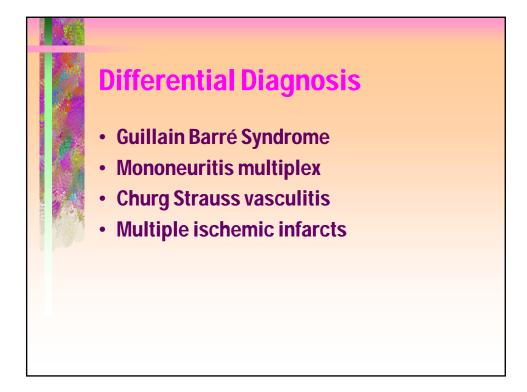


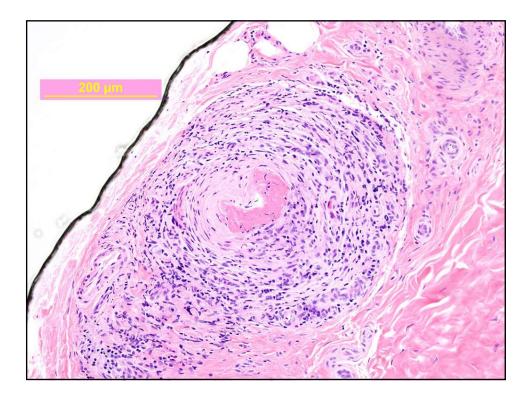


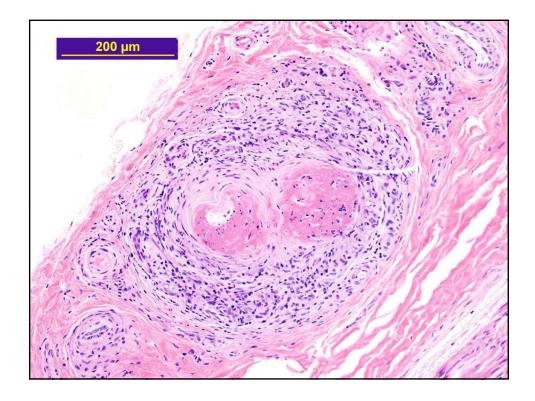








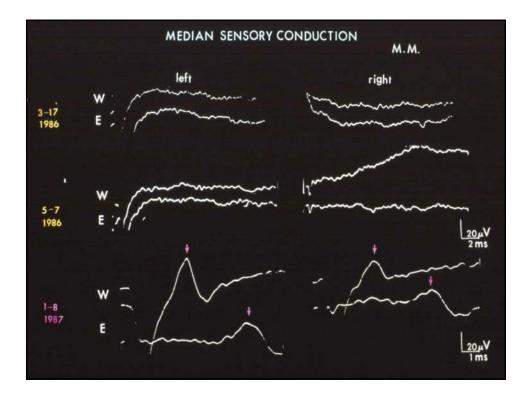




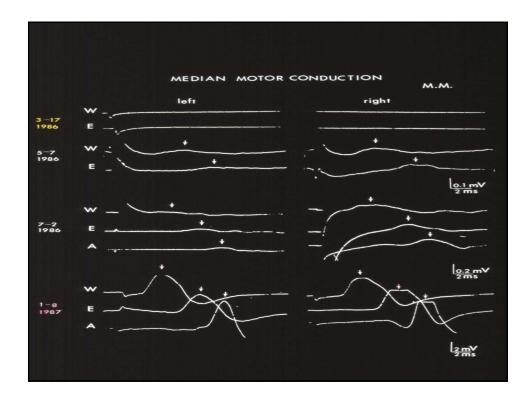
A 2½ YEAR OLD BOY WANDERED OUT OF THE MOBILE HOME INTO A CORN FIELD ON A FRIGID WINTER NIGHT IN IOWA. WHEN FOUND 2½ HOURS LATER AT 5:30 AM, HIS PAJAMAS WERE FROZEN TO HIS BODY AND ICE HAD BEGUN TO FORM AROUND HIS FACE.

HE HAD NEITHER PULSE NOR RESPIRATION WITH RECTAL TEMPERATURE OF 32.2°C. RESUSCITATION RESULTED IN RETURN OF SPONTANEOUS RESPIRATION AND PERIPHERAL PULSES AT 8:00 AM. DESPITE GENERALIZED SEIZURES, HIS GENERAL CONDITION IMPROVED OVER THE NEXT FEW DAYS. However, he could not stand, RAISE HIS ARM OR HOLD OBJECTS IN HIS HANDS. HE HAD HYPOTONIA AND HYPOREFLEXIA.

0			
0			
0			
40	2.5	40	
	(VU) 0 0	(uV) (мs) 0 0 0	0 0



LMM	AMP (mV)		MNCV (m/s)	
MARCH	0			
May	0.1	4.6	30	
JULY	0.1	3.9	31	
Jan.	4.0	3.3	34	



LTM	AMP (mV)	TL (ms)	MNCV (m/s)
MARCH	0		
MAY	0		
JAN.	5.0	3.5	31

