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	CNEMG	
• At rest	denervation and spec spontaneous activity (myotonia, CRD, neuromyotonia)	
• MUP	number of fibres in recorded area	
	fibre diameters	
	n-m transmission	
• IP	recruitment pattern	
	total number of MUs at full effort	

MUP, myopathy TA

-VAN

Ameliat

______UV ______UV 10 ms

hupper



MUP, normal TA

15

20

10

17

12

18

200 uV 10 ms

Myopathy, Stålberg





CNEMG				
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	EMG - interference pattern
Myopathy	hallow for the test of the second s
Normal	
Neuropathy	









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Sensitivity/specificity of EMG in Myopathies

•<u>Sensitivity</u> (abnormal vs normal): •depends on type of myopathy: •Duchenne, myositis....... 90-99% •Metabolic myopathymay be very low

•<u>Specificity</u> (classification): •EMG usually not specific in separating subgroups

EMG combined with other findings gives a clue

•Myopathy +Neuropathy; •think of mitochondrial dysfunction, •malignancy

•Normal EMG in clinical myopathy; •think of metabolic myopathy

Performance/EMG discrepancy;
Weakness + full EMG pattern
Weakness + normal MUPs
central

Indications for EMG and myopathy

Weakness/fatigue

central

- motor neurone
- peripheral nerve; pnp, focal
- •muscle (nm-j, myopathy, periodic weakness)

•Cramps

• myotonia, ben. fasc. syn., neurotonia, stiff p. syn

- •Pain
- ·ICU
 - •Critical illness...