



SAMPLE MUSCLE CASE

(Time available: total of 45 minutes for both muscle and nerve cases including report writing)

Please read the clinical history (see below), and then examine:

1. The histological slides.
2. The electron micrographs.

In your answer book, please write up:

1. A full description of the histological (and ultrastructural) appearances.
2. Your neuropathological diagnosis and, if indicated, the differential diagnoses.
3. The thinking behind (discussion) your diagnosis / diagnoses.
4. Any other investigations that you feel are NECESSARY to establish the diagnosis or assist with patient management.

Code for slide labels: Case reference "HI21456/12 Ansell" appears on each slide

Slide Label	Stain
H&E	Cryostat section hematoxin and eosin
PSR	Picro-sirius red collagen stain
NADH	Reduced nicotinamide adenine dinucleotide tetrazolium reductase
ATP	ATPase at pH's 9.9 and 4.4
	In addition, 2 electron micrographs are provided

Clinical history

38 year old woman with erythematous rash and muscle weakness. Creatine kinase normal. 30mg prednisolone for 5 weeks with no improvement in weakness. Open biopsy of right deltoid muscle.