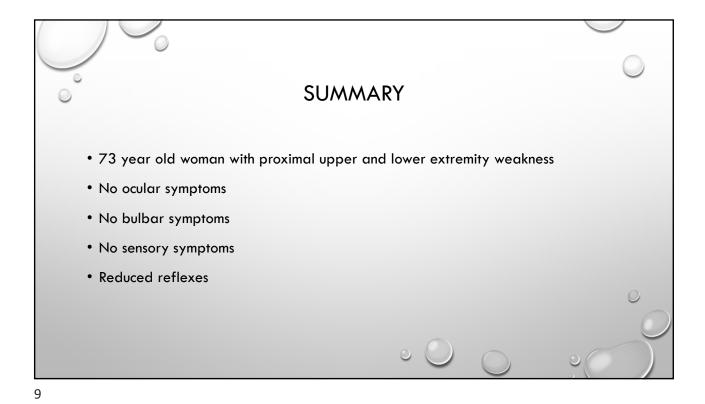


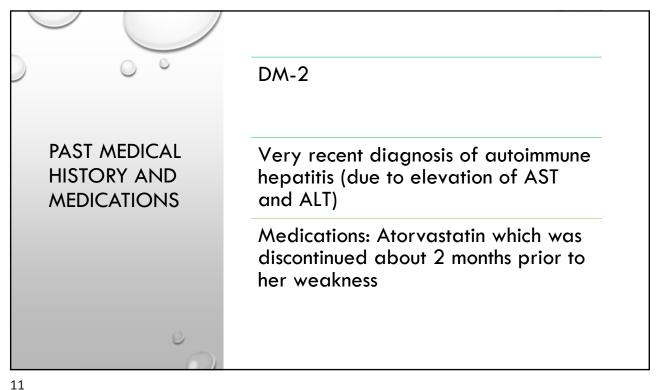
MOTOR EXAM RIGHT LEFT RIGHT LEFT DELTOID 4 **ILIOPSOAS** 4 **BICEPS** 4 4 HIP ADDUCTORS 4 4 TRICEPS QUADRICEPS 4+ 4+ FINGER FLEXORS 5 5 ANKLE DORSIFLEXORS 5 5 FINGER EXTENSORS 5 5 5 ANKLE PLANTARFLEXORS

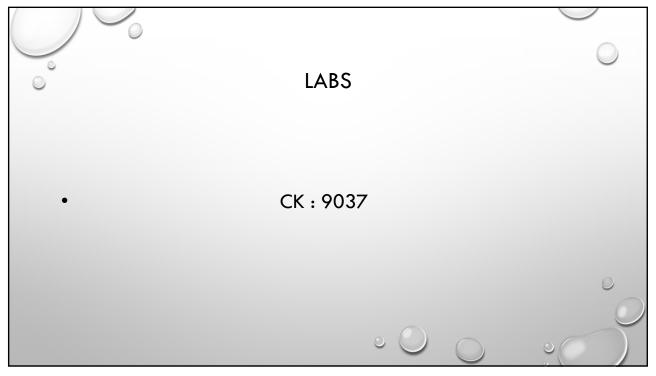
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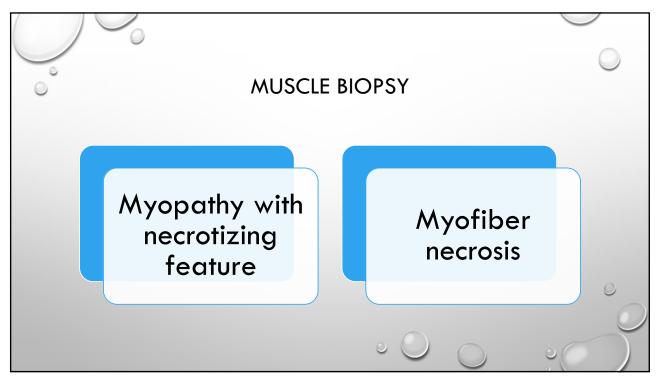


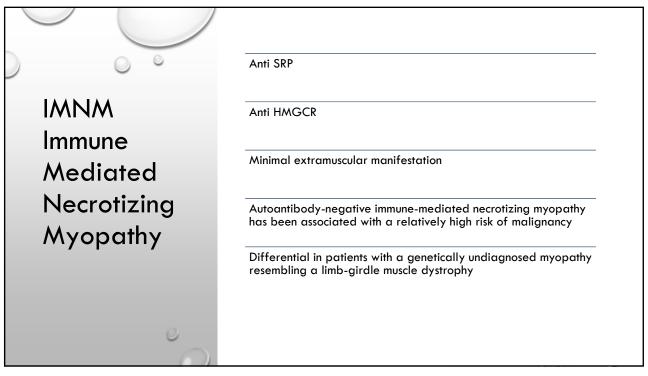
ELECTRODIAGNOSTICS

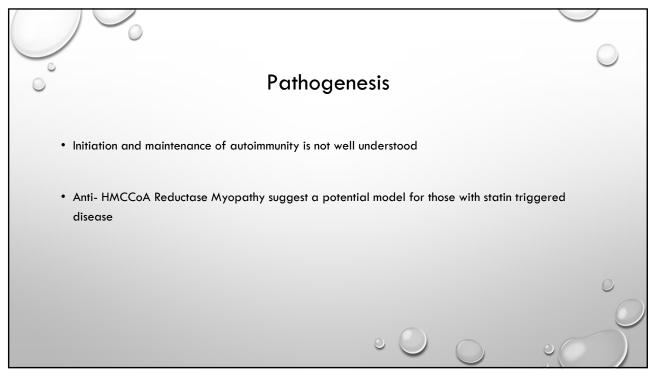
 NCS: No large fiber neuropathy
 EMG: Irritative myopathy (florid abnormal discharges and short duration, small amplitude motor unit potentials with early recruitments)

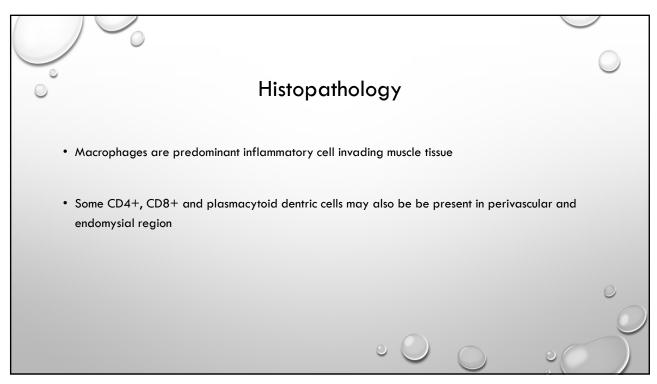


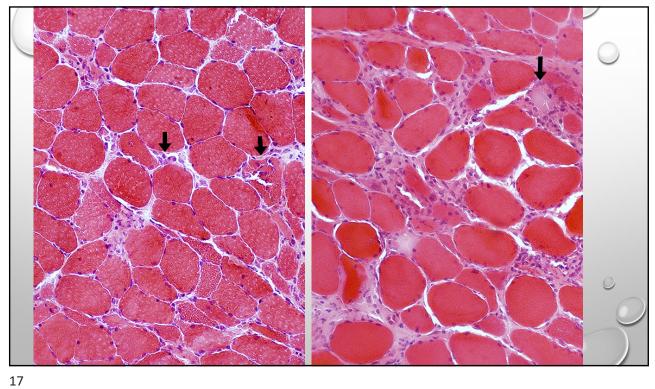




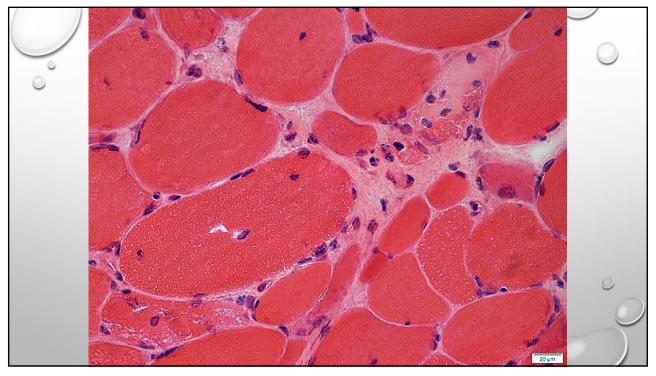


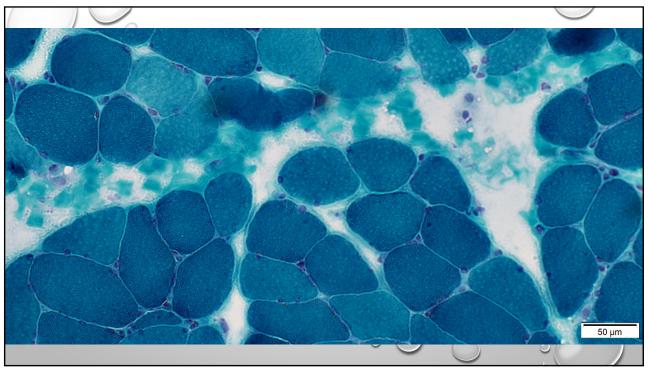


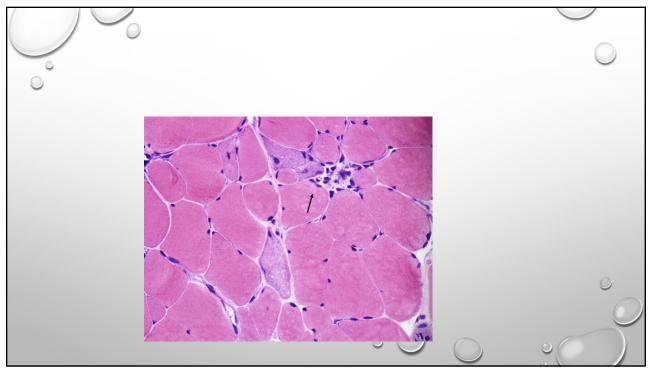


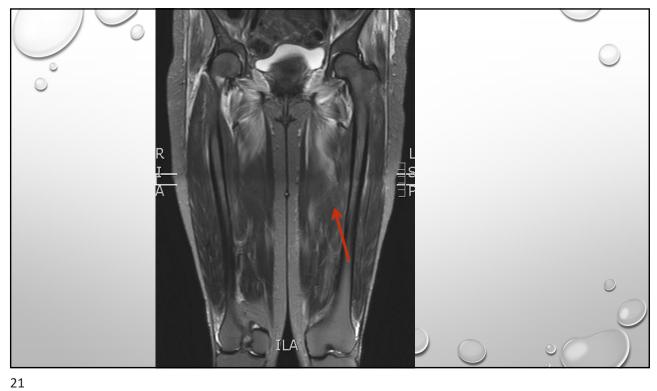


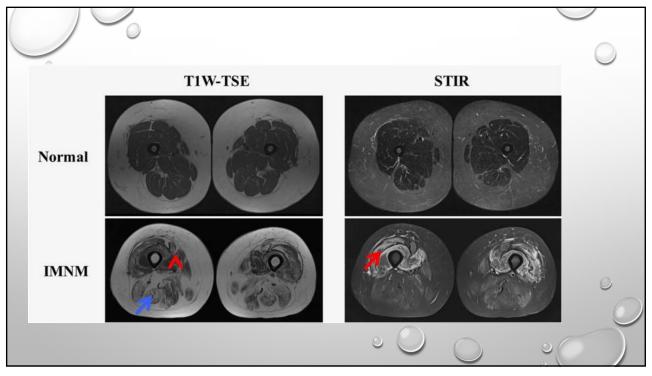




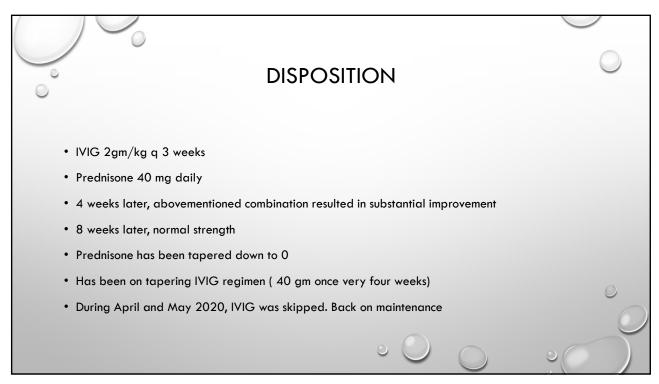


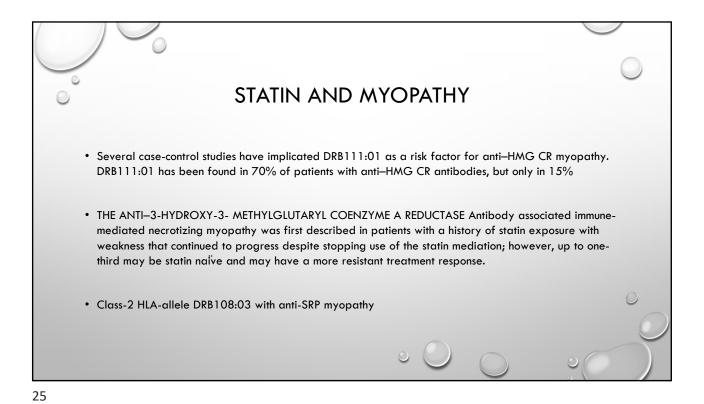












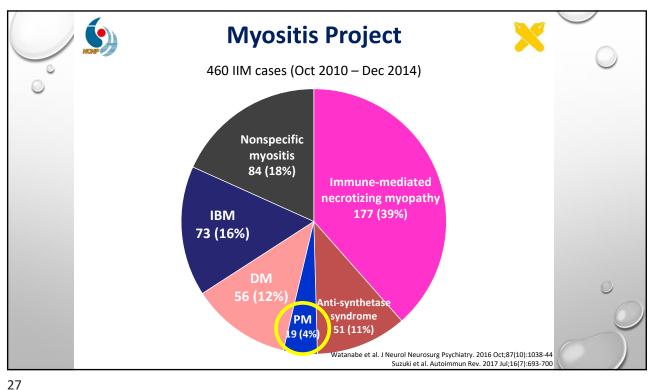
Idiopathic inflammatory myopathy

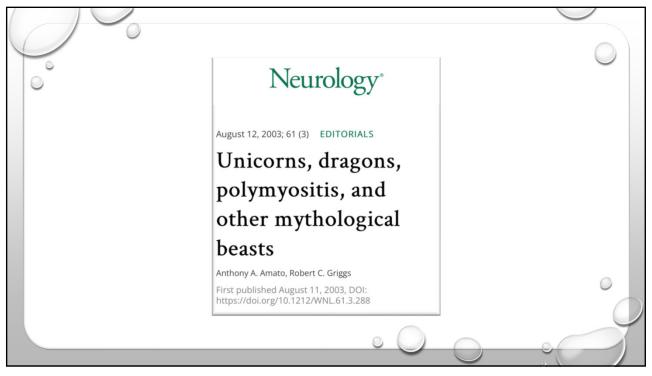
Bohan and Peter N Engl J Med. 1975 Feb 13;292(7):344-7

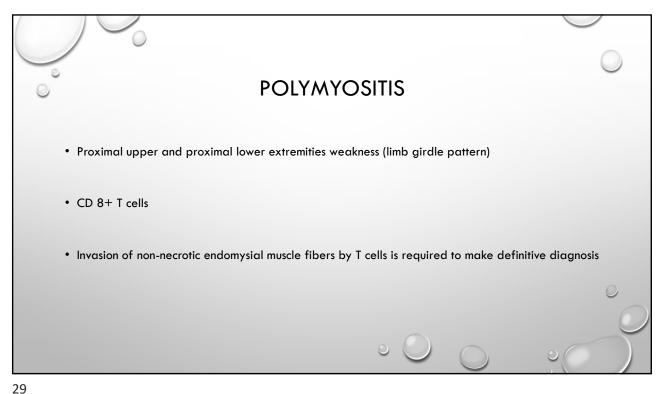
- DM
- PM

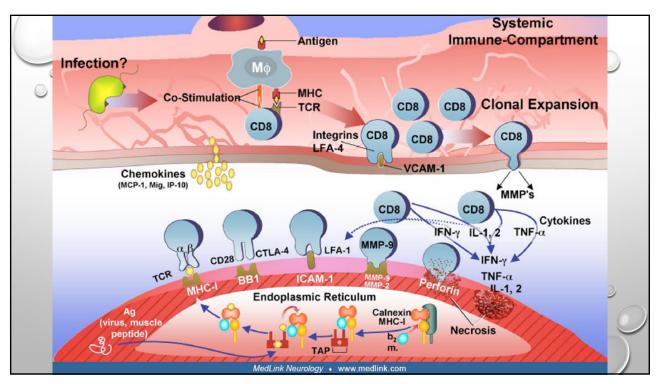
ENMC Workshop Neuromuscul Disord. 2004 May;14(5):337-45

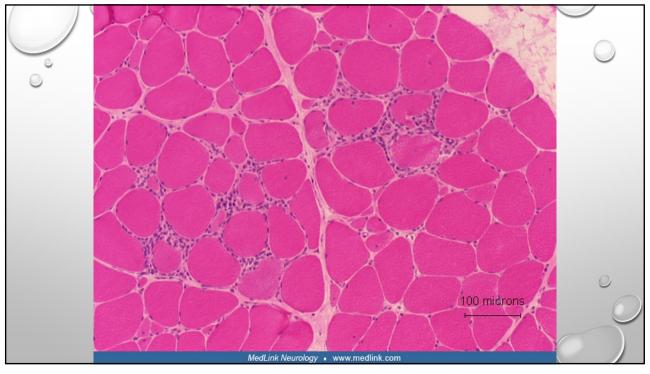
- DM
- PM
- Immune-mediated necrotizing myopathy
- Nonspecific myositis
- (IBM)

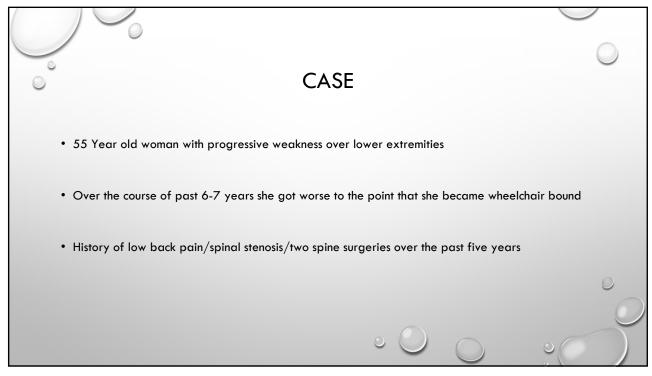


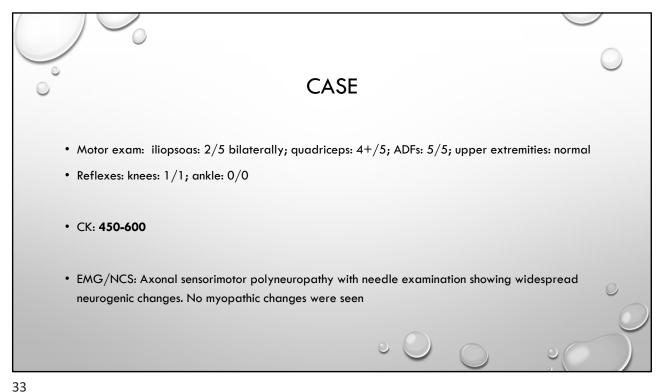


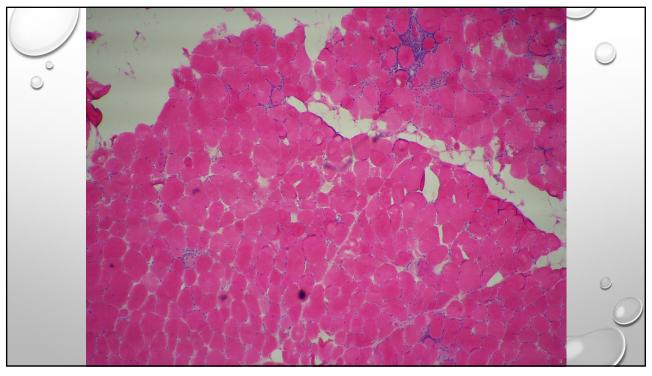


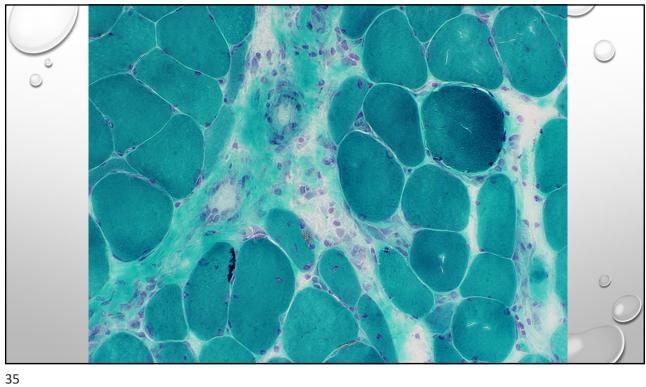


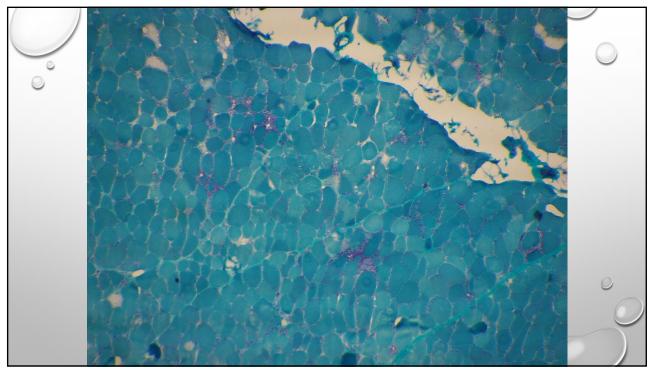


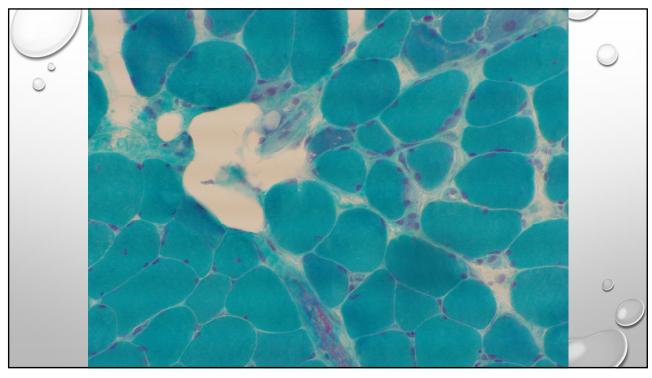


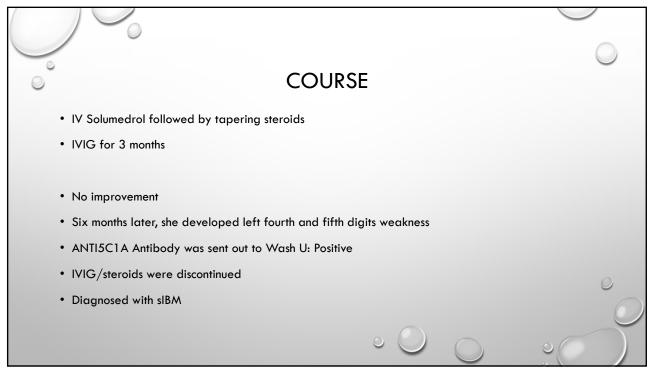


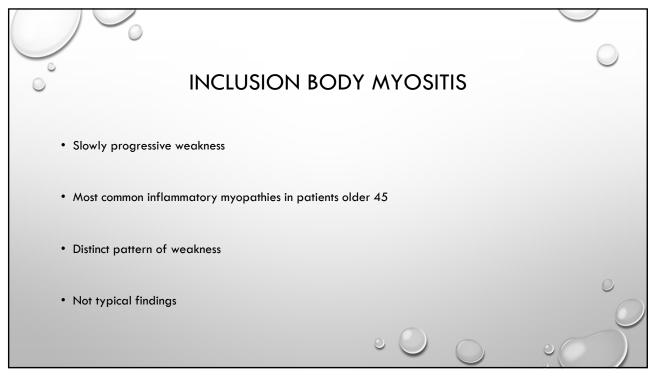




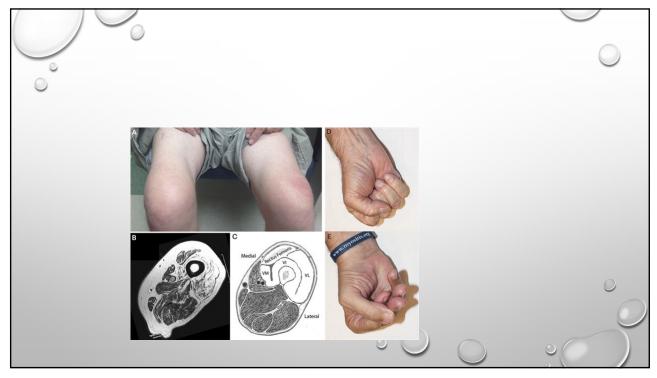


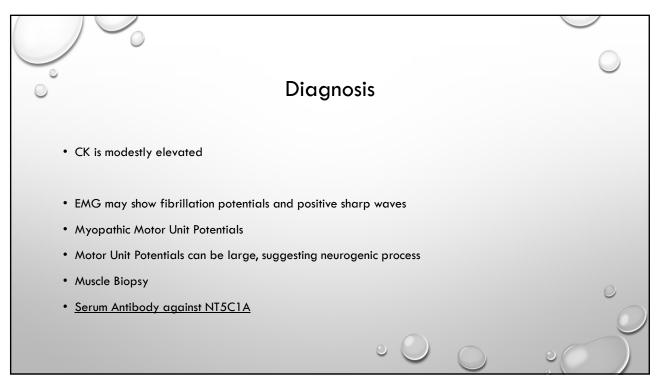


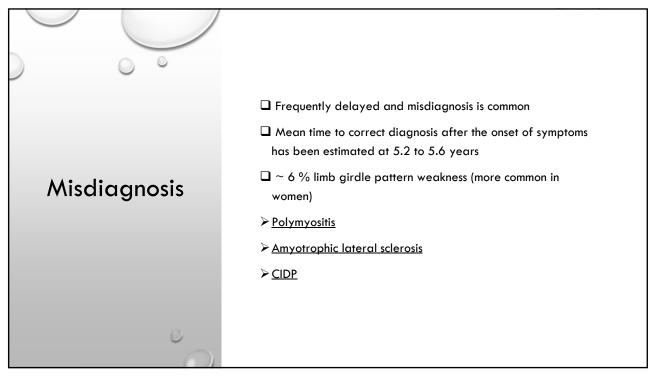


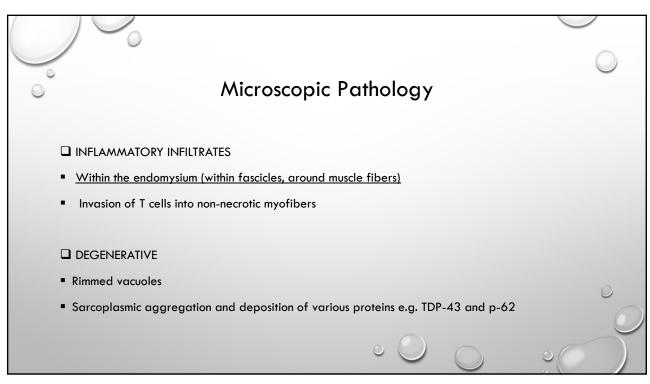


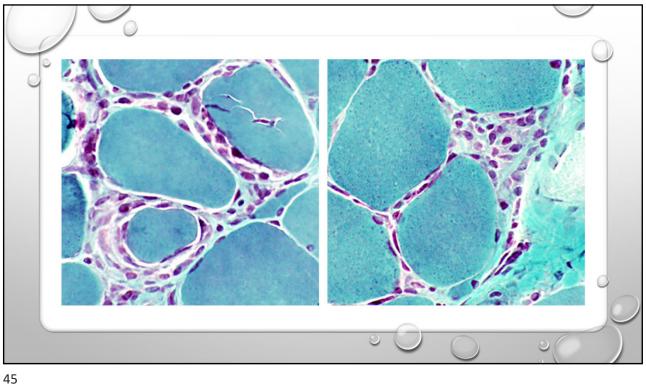


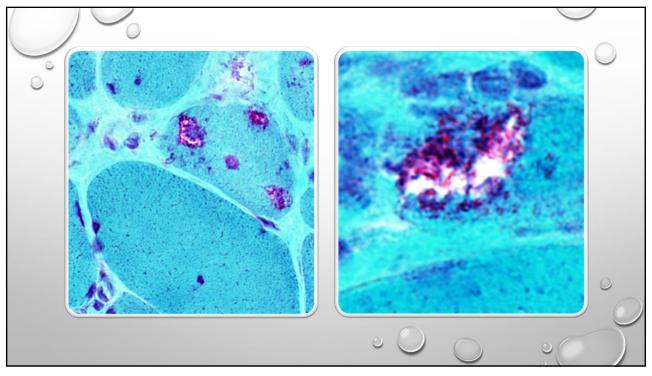


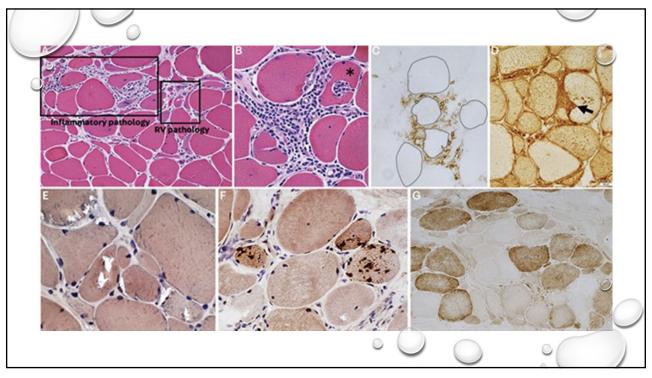


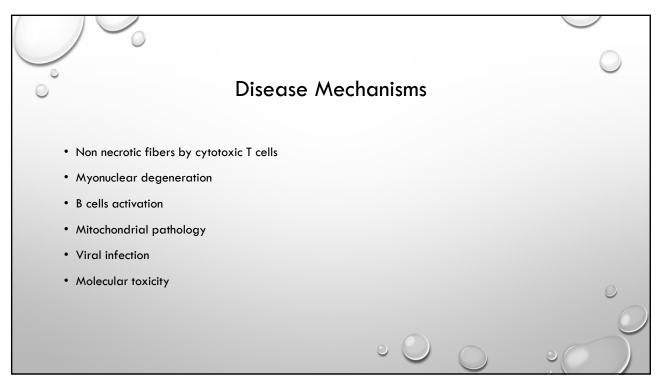




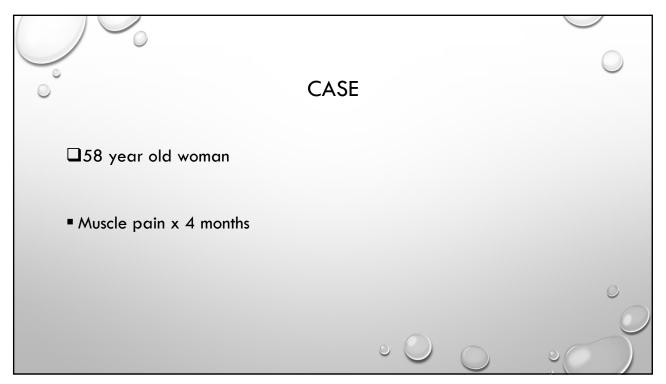


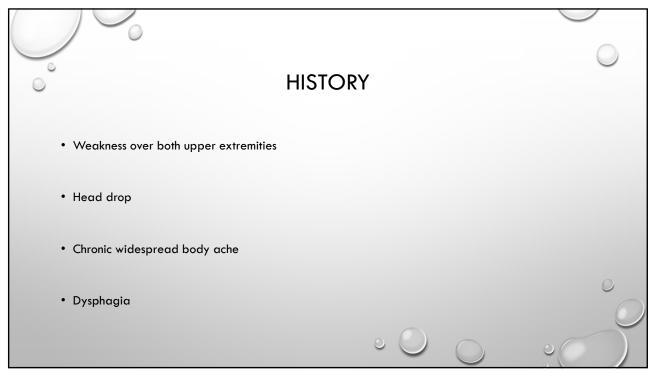


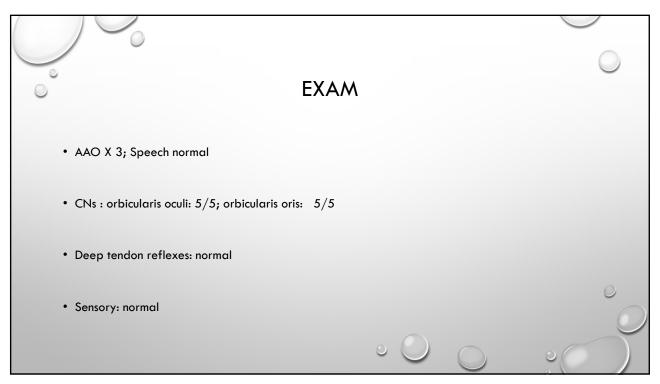


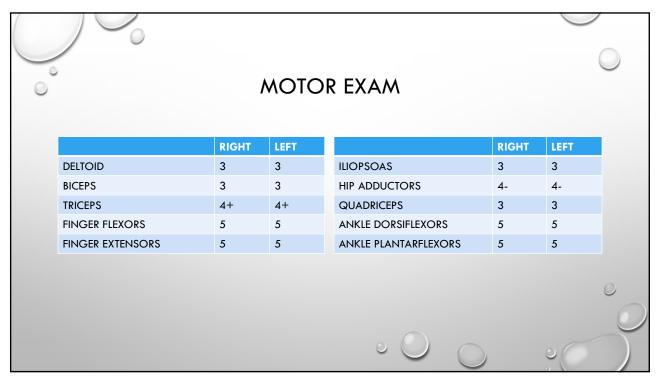


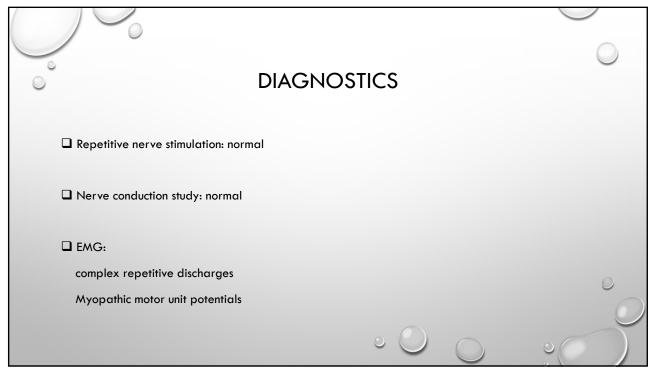


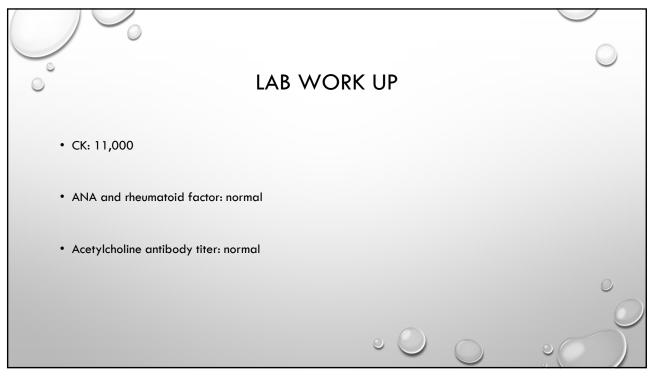


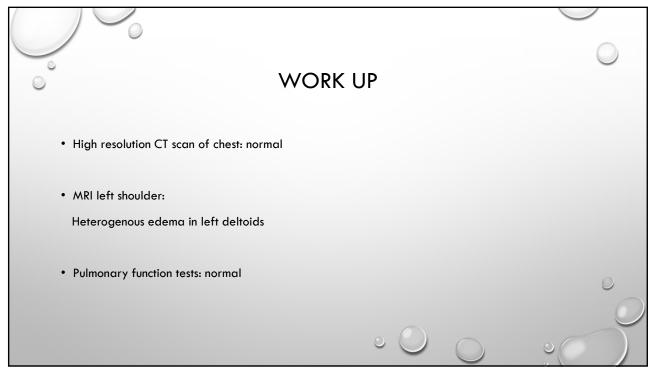


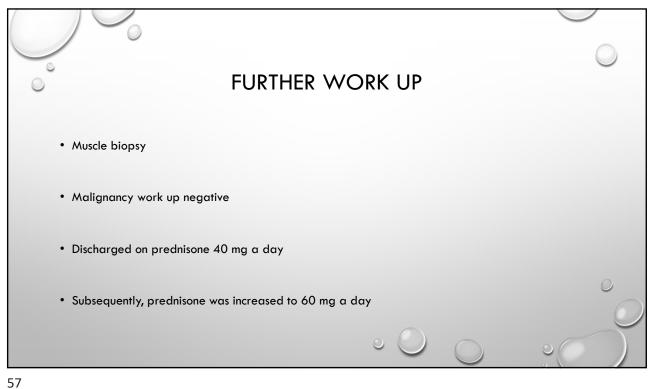


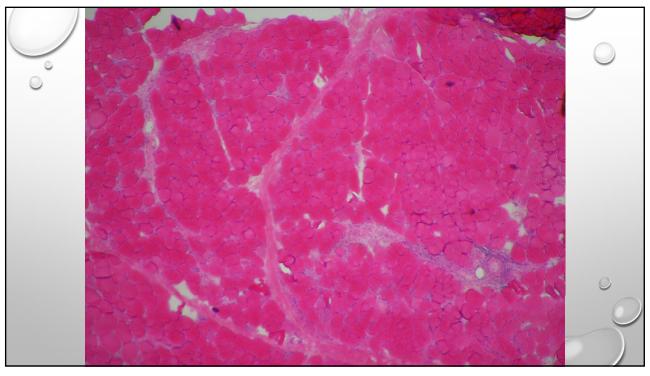


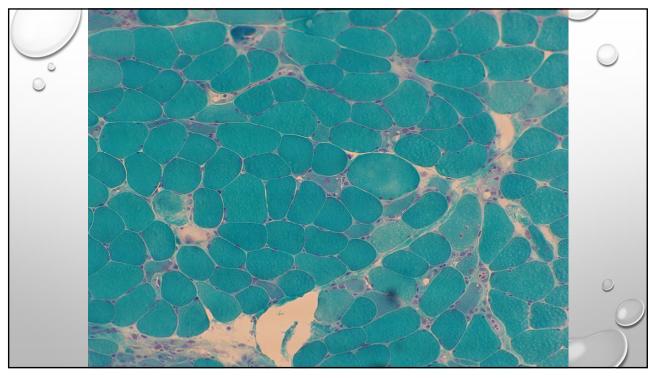


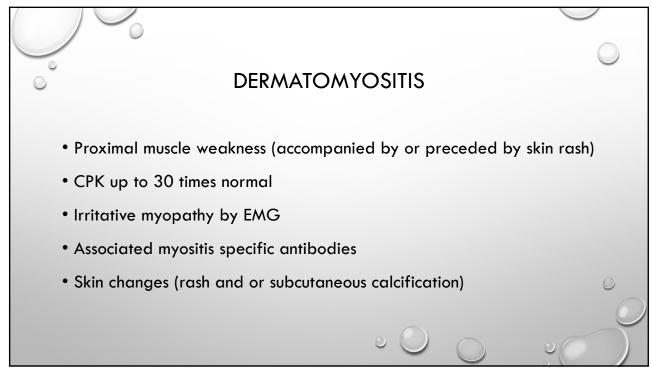


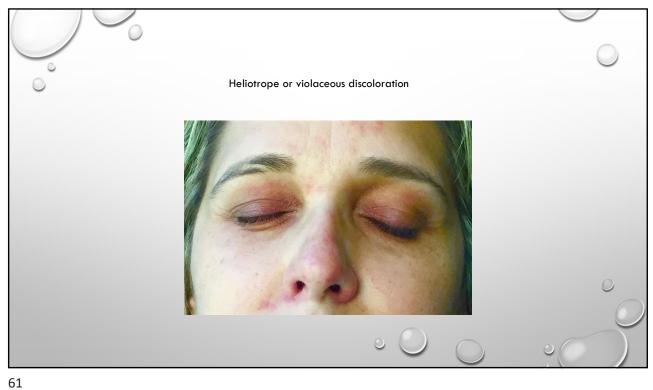








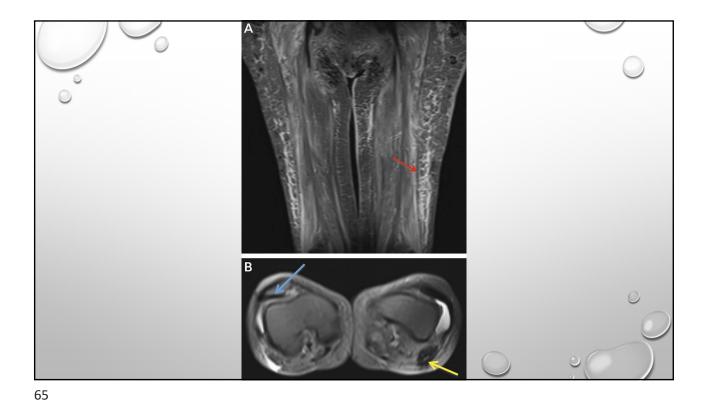










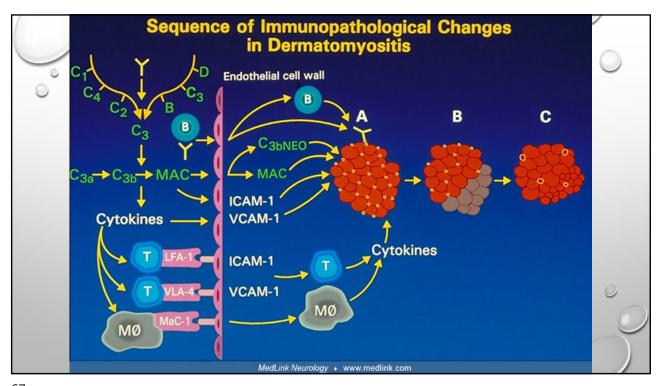


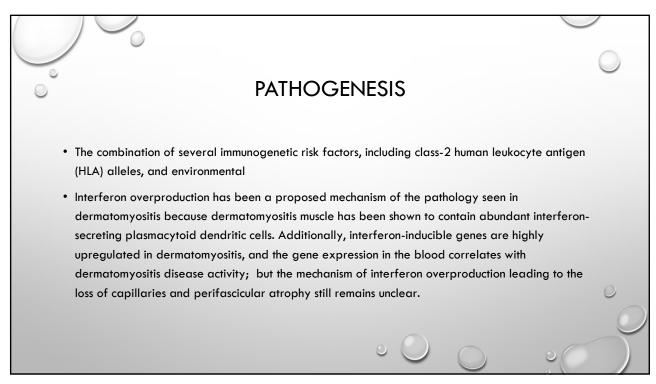
Complement mediated autoimmune microangiopathy

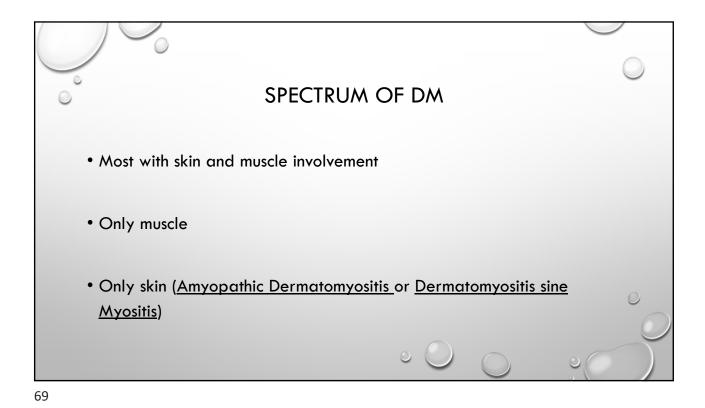
Affects both children and adults

High CK in 90% and up to 50 x ULN

CK does not correlate with severity of weakness



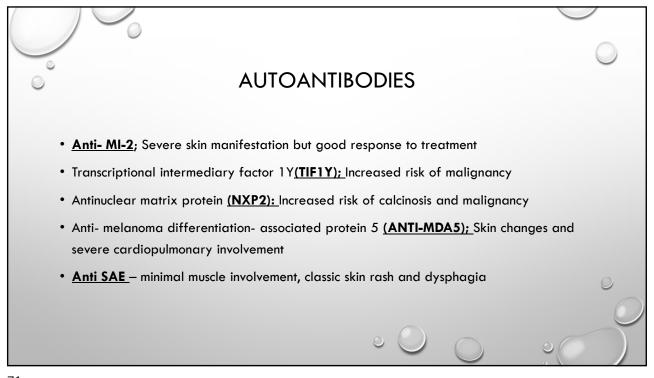


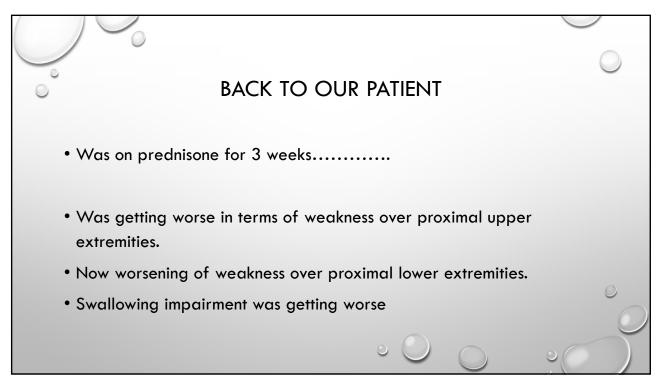


ASSOCIATED CONDITION

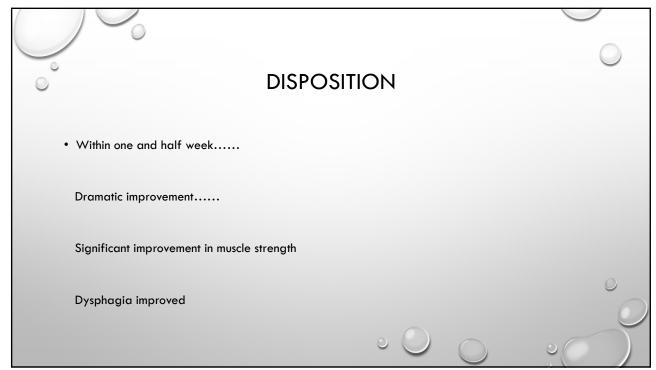
• ILD 10-20%

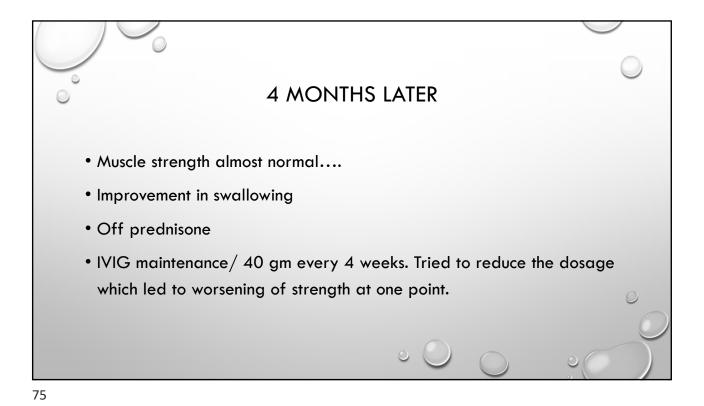
• Incidence of cancer ranging 6 %-45% (most occurring first 2 years)





CASE	
• Reduced prednisone to 50 mg with tapering regimen	
• IVIG	
25 gm for four days	
Followed by	
25 gm once a week	



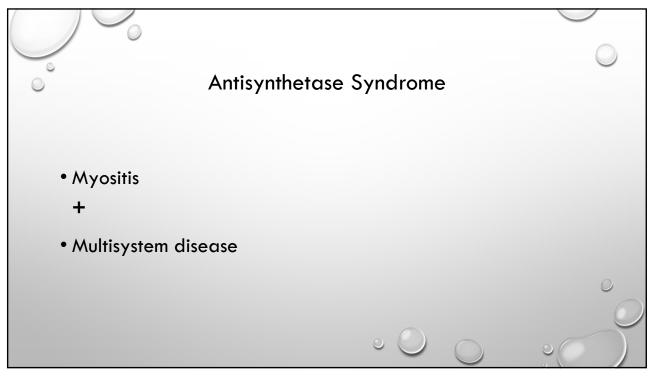


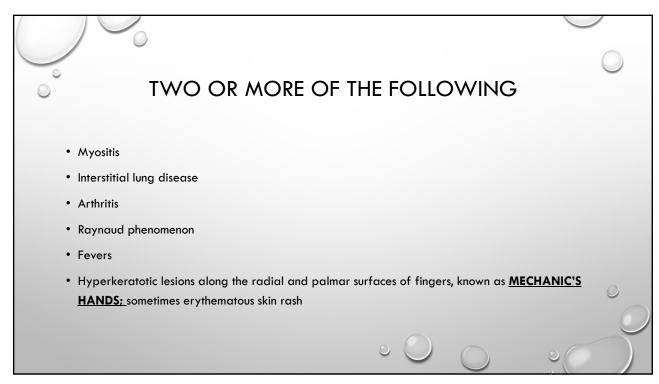
TWO YEARS AGO

• Diagnosed with breast cancer

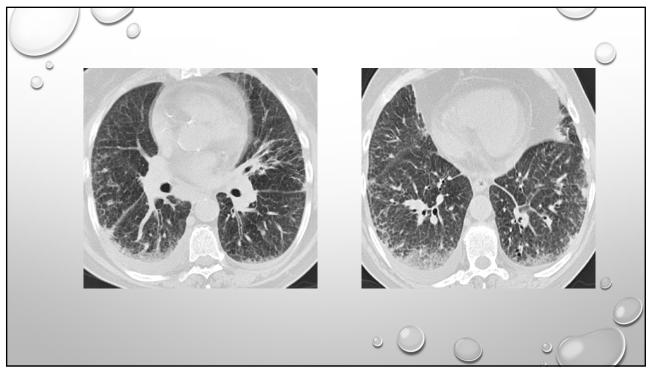
• Underwent mastectomy and was treated with tamoxifen

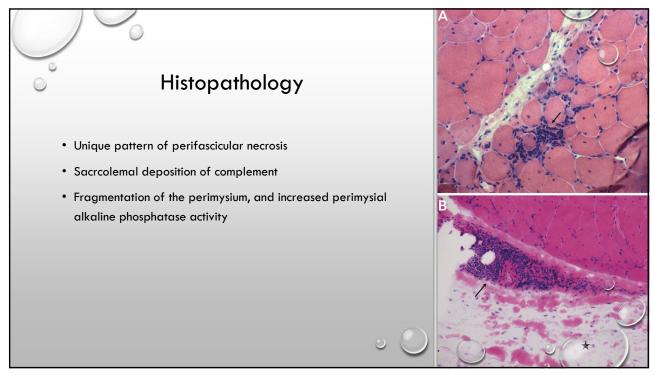
• In remission

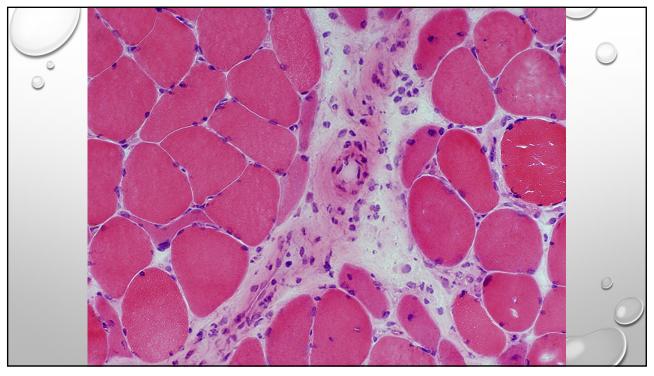


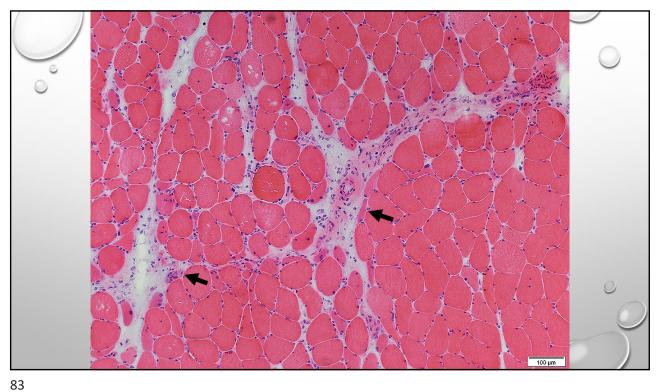


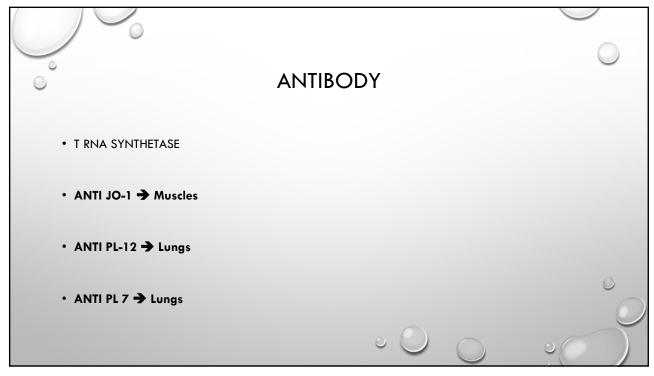


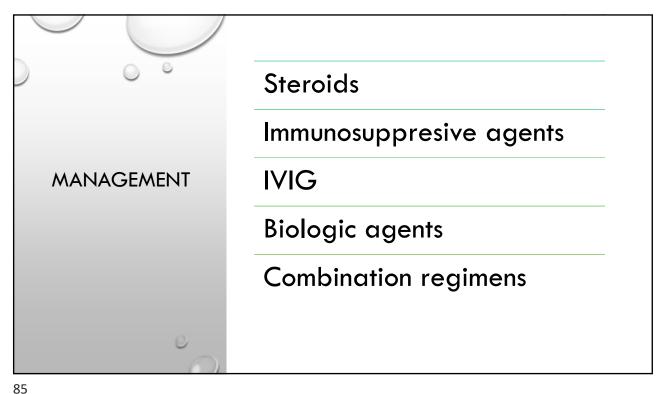


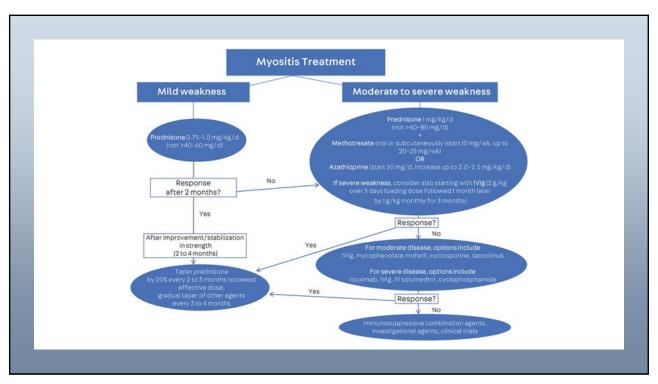












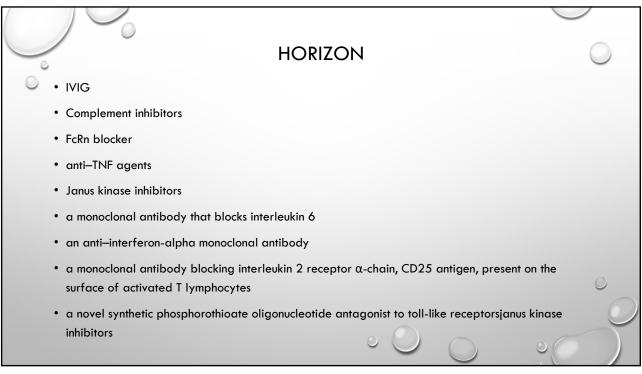
RITUXIMAB IN MYOSITIS RIM STUDY, 2013, ARTHRITIS RHEUMATOLOGY

- Did not meet the primary or secondary end points
- Rituximab has been shown to have beneficial effects in patients with Antisynthetase syndrome,
 primarily anti-Jo-1, and also in anti-Mi-2 autoantibody-positive subjects in a post hoc analysis of
 a randomized controlled trial of rituximab in refractory dermatomyositis and polymyositis
 Rituximab has also been shown to be effective in treating patients with anti-SRP antibody immunemediated necrotizing myopathy who were refractory to conventional immunotherapies

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PRODERM STUDY (BMJ, 2021)

- A total of 95 adult DM patients (mean age: 53 years; 75% females; 92% caucasian) were
 enrolled, with 47 and 48 randomized to IVIG and placebo, respectively. Baseline clinical
 characteristics (including medical history and prior DM medication) were balanced between the 2
 arms.
- The study met the primary endpoint at week 16, with the proportion of responders being significantly higher in the IVIG group (37/47; 78.7%) as compared to the placebo group (21/48; 43.8%; p-value 0.0008



CONCLUSION • Approach to the patient □ Neuromuscular Exam □ CK level □ EMG/MR images/Muscle Biopsy □ Appropriate diagnosis □ Immunotherapy

