Ocular Myasthenia Gravis

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Objectives

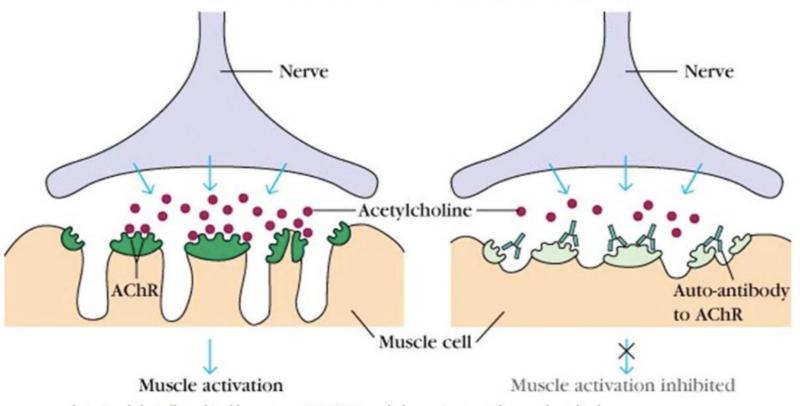
- . 1. Review the diagnostic features
- . 2. understand the risk of generalized MG
- . 3. Discuss available treatment options

What is MG

- . MG is a neuro-muscular junction disease
- . MG is caused by a pathology that targets Acetyl choline receptor "autoimmune"

Myasthenia Gravis

BLOCKING AUTO-ANTIBODIES (Myasthenia gravis)



http://pathologicallyspeaking.blogspot.com/2015/07/speech-therapy-treatment-for-myasthenia.html

Clinical Manifestation

- . Fatigue
- . Difficulty swallowing
- . Difficulty speaking
- . Breathing issues
- · Ptosis
- . Diplopia

ypes

- . Congenital: Rare
- · Adult form: not uncommon, more in middle age women:

 - OcularSystemic

Diagnosis

- · Eye manifestation: Usually one of the first presenting symptoms
- . Most often diplopia and ptosis
- Diplopia/ptosis is worse as the patient os tired and is better after the patient rests

Unique manifestations

- . Cogan's lid twitches
- · Variable degree of ptosis
- · Variable patterns of muscle weakness
- . INO like picture

Are these enough

- . Clinical diagnosis is the most important
- · Blood test for antibodies: Sensitivity is 88-93% in generalized MG and only 50% in ocular MG

Other diagnostic methods

- . Rest test
- · ce test
- . Single fiber EMG
- . EMG with repetitive stimuli
- · Tensilon test " | do not recommend"
- . Treatment trial "OK"

Treatment

- Treatment is done by a specialized provider in neuromuscular disease
- · Start with Mestinon and sometimes immune suppressant such as steroids, and steroid sparing agents can be used
- . Thymus removal
- · IVIG
- · PLEX

Why is our rule important

- . MG suavely presents with eye manifestations
- . MG can present with a crisis
- A crisis usually progresses to cause respiratory muscles impairment and bulbar symptoms and it is a life threatening condition

How critical and how urgent is the diagnosis

- . Screen for generalized symptoms
- · Understand the pattern (acute/chronic/exacerbating conditions)
- . Review patients meds and see any that can cause an MG crisis

If in doubt and if bulbar symptoms are present?

- Talk personally to a neuro-ophthalmologist or a neurologist
- If unable to get a timely response—>send the patient to the ED with a clear message—>
 - . Concern of MG crisis
 - . Need urgent neurology evaluation
 - . Need RT assessment with palm function tests

. Thank you