

Myasthenia Gravis

Asthenia means

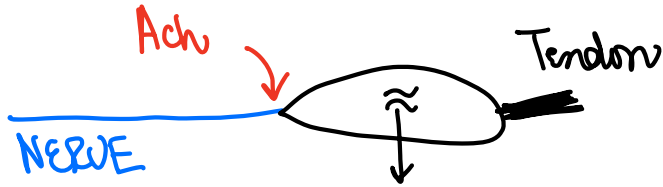
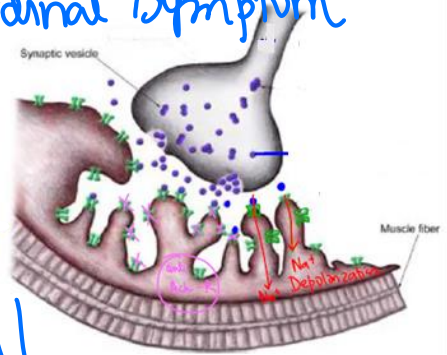
Easy fatiguability : Cardinal symptom

Disease Involves:

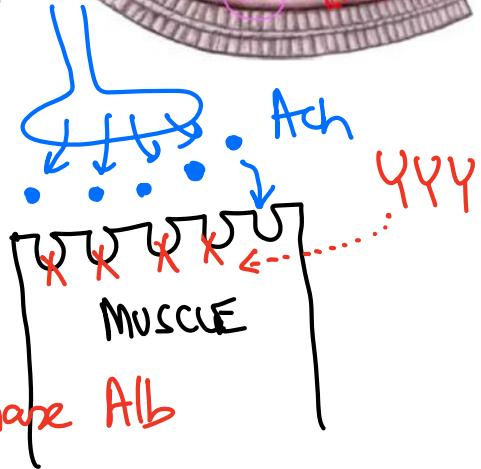
SKELETAL MUSCLES

Site involved

NMJ / Post junctional defect



muscle spindle : Tone

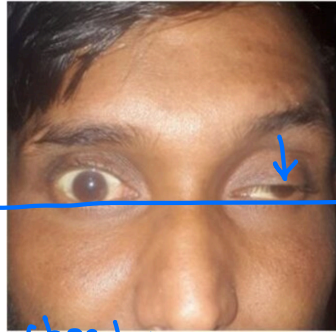


1. Anti Ach R Alb: TYPE II HSR *
2. Anti M.V.S.K " : Muscle specific kinase Alb

Nursing assessment findings

* Nasal Regurgitation of fluids

1. **PTOSIS** Asymmetrical
Drooping of eyelids



2. **Diplopia** : symptom



TRIGGERS
Watch Tv / laptop
SMART PHONE

3. **Dysarthria** UNCLEAR speech

4. **Dyspnea** ← Diaphragmatic paralysis :
SOB, spo2 ↓

Myasthenic CRISIS

Triggers: COVID-19
UTI

5. **Diurnal variation** : ☀️

..... →
worsening of symptoms

STROKE

6. **Dysphagia**

Rx. E-TUBE + IVIg

Nursing interventions

1. Monitor respiratory status R. Rate SpO₂ at room Air : baseline
- Ability to cough ✓
 - Deep breathing ✓
- * 2. Always sit up while eating and do try to drink fast ↓ Aspiration Risk
3. Time activities to coincide with maximum strength of muscles
4. Pyridostigmine

Onset : 15-30 min

Duration: 180 min *

For those having morning wake up weakness take extended release at night

5. Avoid activities that cause fatigue

Myasthenic crisis	Cholinergic crisis Ach ++
Exacerbation of MG due to infection/ pregnancy *	Overmedication of client \bar{c} pyridostigmine
Hypoventilation -sPO2 ↓ -RR ↓ -Cough ↓ -Swallow ↓ -HR ++ -BP ++	SLUDGE symptoms ↑ Ach + activity S HYPER SALIVATION L HYPER LACRIMATION U URINARY BLADDER ++: URINATIONS D gut motility ++: diarrhoea G " : cramps E eye: miosis HR ↓ BP ↓
Tensilon test : \ominus degradation of Ach	Tensilon test RBC cholinesterase activity: ↓
Rx IVIg Ach ++: strengthen of muscles ++	Rx ↳ ATROPINE iv Muscarinic side effects

diaphragmatic paralysis

iv edrophonium

WORSENING of symptoms

TOR: generalized M. gravis ⇒ THYMECTOMY

DOC: " ⇒ Pyridostigmine + Tredhison


Indications for Atropine

1. Symptomatic bradycardia SSS, HEART Block: $HR < \frac{60}{\text{min}}$
BP ↓, CEREBRAL ischemie ↓, Chest pain
2. Cholinergic crisis antidote

M. gravis

Screening: ICE PACK TEST
IOC: Single fiber EMG


CHOLINERGIC CRISIS



Killer B's *

Ach ♡ - Bradycardia
++

— Bronchorrhea



— Bronchospasm

