Case Series of DYSTONIA

Bilateral Blepharospasm



BILATERAL BLEPHROSPASM

After Botox



10 DAYS AFTER BOTOX

Bilateral blepharospasm



After Botox



Hemifacial spasm



Hemifacial spasm



Hemifacial spasm



Hemifacial spasm

Lateral and Retro torticollis



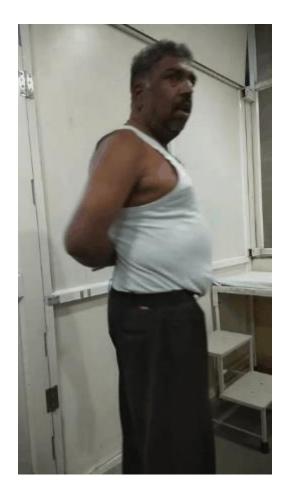
After Botox



Cervical dystonia



Shoulders Dystonia



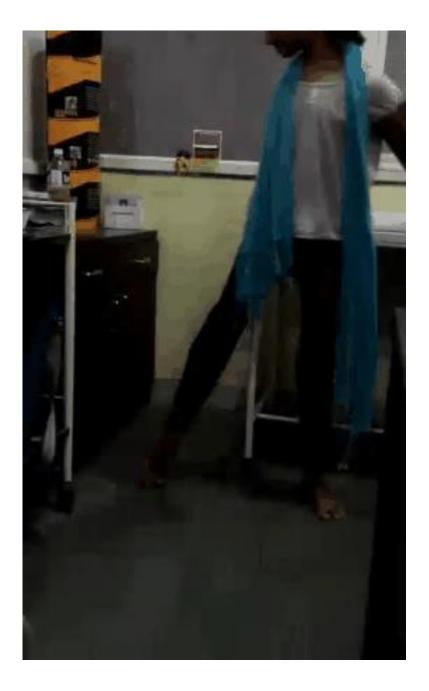


Writers Cramp





Hemidystonia



What is dystonia

- **Dystonia** is a neurological movement disorder syndrome in which sustained or repetitive muscle contractions result in twisting and repetitive movements or abnormal fixed postures. The movements may resemble a tremor.
- Focal- blepharospasm, hemifacial spasm, cervical dystonia, anismus, spasmodic dysphonia, writers cramp, oromandibular dystonia
- Segmental- hemidystonia, Meigs syndrome
- Generalised
- Hereditary- These are inherited disorders of metabolism, and there are isolated 25 types of genetic defects
- Acquired- hypoxic injury, trauma, heavy metals poisoning, neuroleptics, levodopa

Pathophysiology

- Primary dystonia is thought to be a disorder of the basal ganglia because the symptoms resemble those of patients who have anatomical lesions in the same regions of the brain (secondary dystonia).
- Pathophysiological deficits in primary dystonia are well characterized and include reduced inhibition at many levels of the motor system and increased plasticity, while emerging evidence suggests additional cerebellar deficits

Treatment

- Medical-
- Botox is the mainstay of treatment in focal dystonia
- -Anticholinergics- Trihexyphenedyl (pacitane)
- Baclofen
- Benzodiazepines- clonazepam
- Levodopa- in levodopa responsive dystonia specially in children and young adults
- Dopamine receptor antagonists- Tetrabenazine

Surgical

- Peripheral denervation (mainly for cervical dystonia),
- Intrathecal baclofen (ITB),
- Ablative procedures (pallidotomy and thalamotomy)- not done now
- Deep brain stimulation (DBS) -globus pallidus stimulation

 Mainly in Generalised Dystonia
 May Be Used In Drug Refractory Focal Dystonia
- But Results Are Not Very Encouraging

QUIZ

- Known case of Hydrocephalus , Shunt done in 2003 and reviwed in 2016
- Came to OPD with c/o Headache and instability of gait since 3 days





