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Background

- Tardive dystonia is an extrapyramidal syndrome caused by exposure to dopaminergic receptor antagonists
- It is often misdiagnosed and if not recognized and treated appropriately, symptoms can worsen or remain indefinitely

Case Presentation

- 60 year old female presents with progressive and widespread muscle weakness for three months
- Recently established with telehealth psychiatry practice for treatment of sensation of unseen hair wrapping around her body
- Previous diagnosis of generalized anxiety disorder, past medication trials of SSRIs only
- Visits were telephone only without video
- Prescribed overlapping courses of high doses of several antipsychotics: risperidone, olanzapine, haloperidol, quetiapine, fluphenazine
- Developed progressive movement changes as medications increased:

Outside Hospital Course

- Brought to ER by husband
- Antipsychotics gradually titrated down without improvement

Unsuccessful Medication Trials

Diazepam Lorazepam Cyproheptadine Dantroline Amantadine Benztropine Baclofen Carbidopa-levodopa

Unremarkable Diagnostics

EEG

Brain MRI

Serum/CSF autoimmune encephalitis panels Serum/CSF myelopathy panels

Complications

Hypoxic respiratory failure requiring tracheostomy

Persistent dysphasia requiring **PEG** placement

Worsening pressure ulcers on feet and osteomyelitis

Unable to Bedbound eat

Yale New Haven Hospital Course

- Botulinum toxin injections -> small improvement in movement of upper extremities and jaw
- Gabapentin --> partial improvement in hair wrapping sensation, now thought related to paresthesia
- Exam under anesthesia with rocuronium for paralysis --> moderate improvement in proximal limb range only
- ECT and DBS considered unlikely to be helpful due to permanent contractures
- Multidisciplinary review board for palliative surgical therapies -> bilateral pallidotomy
- **Minimal** improvement of extremity and jaw movement
- Long term placement

Example of

transverse section

of globus pallidus



Discussion

- Early recognition and intervention is critically important for tardive dystonia¹
- In this case, symptoms were progressive and worsened rapidly with continued addition of antipsychotic agents
- By the time symptoms were recognized, she had developed severe and permanent complications, with minimal response to first line therapies and palliative surgical intervention²

Conclusion

When psychiatric care is provided through telehealth only and without physical exam, severe complications such as tardive dystonia can be misdiagnosed and lead to permanent debilitation

References

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