## Visual Stuff

## Early Responsiveness of Ocular Symptoms of Myasthenia Gravis with Plasma Exchange

Raghav Govindarajan, MD Department of Neurology, University of Missouri Health Care, Columbia, MO, USA 65201

70-year-old male presented with generalized weakness, fatigue, ptosis with dysphagia and slurred speech. On exam patient had fatigable ptosis (figure 1), positive Cogan's sign, and fatigable arm weakness. Low frequency repetitive nerve stimulation of the ulnar nerve showed significant dec-





rement. His acetylcholine receptor binding antibody was elevated (not available at the time of treatment, patients' value was 0.5nmol/L, normal less than 0.02nmol/L). He was started on plasma exchange with significant improvement in ptosis with the third exchange (day 5) although he continued to have fatigable arm weakness, dysphagia and slurred speech. Eye signs are the earliest to respond early to plasma exchange especially among older seropositive patients and can be an indicator for treatment responsiveness.<sup>1</sup>

## **Corresponding author:**

Raghav Govindarajan MD Email: govindarajanr@health.missouri.edu

## References

<sup>1</sup>Usmani A, Kwan L, Wahib-Khalil D, Trivedi J, Nations S, Sarode R. Excellent response to therapeutic plasma exchange in myasthenia gravis patients irrespective of antibody status. J Clin Apher. 2019 Aug;34(4):416-422. doi: 10.1002/jca.21694.