

## **Onodi Cell Mucocele and Associated Optic Neuropathy: with *Staphylococcus cohnii*. Case report and review of literature.**

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**Purpose:** To present a rare case Onodi cell mucocele associated optic neuropathy, infected by *Staphylococcus cohnii* with a review of the literature. **Methods:** A 50-year-old female presented with a 3 months history of progressive deterioration of vision in his left eye. Ophthalmic examination and Magnetic Resonance Imaging (MRI) were consistent with an Onodi cell associated compressive optic neuropathy. **Results:** The patient underwent transcranial decompression via left pterional extradural approach. Histological study showed a mucocele. The bacterial cultures taken from the lesion grew *Staphylococcus cohnii*. The outcome was favorable. **Conclusion:** This report and associated literature review highlight the importance of the radiologic characteristics and early diagnosis in the final visual outcome of the Onodi cell associated optic neuropathy. To our best knowledge, *Staphylococcus cohnii* has not yet been reported to infected Onodi cell mucocele in humans.

**Keywords :** progressive visual loss, Compressive optic neuropathy, Mucocele, Onodi cell, *Staphylococcus cohnii*.