

# *Pyoccele* komórki sitowia tylnego jako przyczyna ślepoty

*Pyoccele* of the posterior ethmoidal cell as the cause of visual loss

**Grzegorz Matyja, Maciej Kawczyński, Czesława Tarnowska**

## **Summary**

**Introduction:** Mucocele is a cystic slow-growing lesion of paranasal sinuses with sterile content. Pyoccele contains purulent substance. Muco-/pyoccele is rarely localised in ethmoid or sphenoid sinus and may involve the orbit and cause ophthalmic complications including visual loss. **Material and methods:** We report the case of a 25-year-old woman who suffered from sudden visual loss of her left eye. She was treated for optic nerve papillitis by neurologists and ophthalmologists with steroids and recovered after about 6 weeks. Magnetic resonance imaging was ordered to find the cause of visual disturbance and revealed an oval-shaped lesion in the left posterior ethmoid sinus. The patient underwent functional endoscopic surgery and transethmoidal marsupialisation of the muco-/pyoccele. **Results:** After endoscopic micro-surgery the patient recovered without complications, she is under follow-up and has no symptoms of any disease. Because there were no evidence of any other causes of optic nerve affection, the muco-/pyoccele was regarded as the cause of visual loss. **Conclusions:** The posterior ethmoid muco-/pyoccele can present with ophthalmic manifestations including blindness. Endonasal operation and steroids administration are the treatment of choice in such cases.