

Cerebrospinal fluid eosinophilia

Cerebrospinal fluid (CSF) eosinophilia is a rare finding most often associated with central nervous system inflammatory processes, including parasitic, bacterial, and mycotic infections. It has also been seen as an allergic phenomenon.

Traynelis et al, present two cases of CSF eosinophilia occurring concurrently with sterile shunt malfunction and speculate that CSF eosinophilia in the patients might have resulted from an allergic response to a foreign material such as suture, surgical glove powder, hair, cotton fibers, antibiotics, or silicone rubber. The incidence of sterile CSF eosinophilia after shunting is not known. Information concerning the role of eosinophilia in the development of shunt malfunctions is also lacking. An increased awareness of this possibility and further investigation are warranted ¹⁾.

¹⁾

Traynelis VC, Powell RG, Koss W, Schochet SS Jr, Kaufman HH. Cerebrospinal fluid eosinophilia and sterile shunt malfunction. *Neurosurgery*. 1988 Nov;23(5):645-9. PubMed PMID: 3200398.

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