

Staphylococcus aureus brain abscess

Staphylococcus aureus accounts for 10% 20% of isolates of **brain abscesses** in a general population, usually reported in patients with cranial trauma or endocarditis, and it is often isolated in culture. Some cases caused by community-associated methicillin-resistant *S. aureus* have been reported. Population-based studies have identified male gender and very young and elderly individuals as being at increased risk for *S. aureus* infections. Moreover, two studies showed that the most important risk factor is dialysis, either peritoneal (relative risk [RR], 150 to 204) or hemodialysis (RR, 257 to 291). Other conditions that increase the risk of invasive *S. aureus* infections include diabetes (RR, 7), cancer (RR, 7.1 to 12.9), rheumatoid arthritis (RR, 2.2 to 9.2), HIV infection (RR, 23.7), intravenous drug use (RR, 10.1), or alcohol abuse (RR, 8.2) ^{1) 2)}.

However, one of the most important factors that is independently associated to brain abscess is chronic *S. aureus* nasal carriage ³⁾

¹⁾

Jacobsson G, Dashti S, Wahlberg T, Anderson R. The epidemiology of and risk factors for invasive *Staphylococcus aureus* infections in western Sweden. *Scand J Infect Dis.* 2007;39:6–13.

²⁾

Laupland KB, Church DL, Mucenski M, Sutherland LR, Davies HD. Population-based study of the epidemiology of and the risk factors for invasive *Staphylococcus aureus* infections. *J Infect Dis.* 2003;187:1452–1459.

³⁾

Van Rijen M, Bonten M, Wenzel R, Kluytmans J. Mupirocin ointment for preventing *Staphylococcus aureus* infections in nasal carriers. *Cochrane Database Syst Rev.* 2008:CD006216–CD006216.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=staphylococcus_aureus_brain_abscess

Last update: **2024/06/07 02:57**

