

Publication**Oral bacterial cultures in nontraumatic brain abscesses: results of a first-line study****JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)****ID** 4602826**Author(s)** Müller, Andreas Albert; Saldamli, Belma; Stübinger, Stefan; Walter, Clemens; Flückiger, Ursula; Merlo, Adrian; Schwenzer-Zimmerer, Katja; Zeilhofer, Hans Florian; Zimmerer, Stephan**Author(s) at UniBasel** [Müller, Andreas A.](#) ; [Zeilhofer, Hans-Florian](#) ; [Walter, Clemens](#) ; [Flückiger, Ursula M.](#) ;**Year** 2009**Title** Oral bacterial cultures in nontraumatic brain abscesses: results of a first-line study**Journal** Oral surgery, oral medicine, oral pathology, oral radiology, and endodontology**Volume** 107**Number** 4**Pages / Article-Number** 469-76**Mesh terms** Adult; Aged; Bacteria, Anaerobic, isolation & purification; Brain Abscess, microbiology; Colony Count, Microbial; Female; Focal Infection, Dental, microbiology; Humans; Male; Middle Aged; Periodontal Abscess, microbiology; Streptococcal Infections, microbiology; Streptococcus milleri Group, isolation & purification

Objective: Bacterial cultures from nontraumatic brain abscesses (BAs) frequently contain oral bacteria. We assessed bacterial cultures from BAs and oral infective sources for a bacterial match. Study design: Bacterial samples from brain abscesses and oral abscesses, and at sites with probing depths ≥ 3.5 mm were taken from 11 nontraumatic BA patients and analyzed. Results: Brain abscess bacterial cultures were obtained in 9 of the 11 cases, which revealed 5 cases of Streptococcus milleri group bacteria and 4 cases of subgingival flora. The bacteriologic results were interpreted taking all medical and bacteriologic findings into account, which made an oral origin of the BAs most likely in 6 of the 11 cases: from an oral abscess and from the subgingival flora in 3 cases each. Conclusions: Early collaboration between neurosurgeons, infectious disease specialists, and oral-maxillofacial surgeons will aid the identification and treatment of suspected oral sources of nontraumatic BAs. textcopyright 2009 Mosby, Inc. All rights reserved.

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