

FREE access to expert analysis and insights on the research that matters most to your practice and your patients

BRIEF REPORT | [VOLUME 11, ISSUE 1, P51-54, FEBRUARY 01, 2000](#)

Cerebral abscesses due to methicillin-resistant *Staphylococcus aureus* complicating stroke

[Paolo Carfagna](#) • [Gianluca Bianco](#) • [Gianluca Pavoni](#) • [David Tarasi](#) •

[Alessandro Capone](#) • [Mario Venditti](#)  

DOI: [https://doi.org/10.1016/S0953-6205\(99\)00067-9](https://doi.org/10.1016/S0953-6205(99)00067-9)

 PlumX Metrics

Abstract

A 76-year-old man suffered a stroke with global aphasia and right hemiplegia. The ischemic infarction was demonstrated by computed tomography. After 2 months, multiple brain abscesses developed at the site of the original infarction. Blood and abscess aspiration cultures yielded a methicillin-resistant *Staphylococcus aureus* (MRSA). Infection was probably caused by hematogenous dissemination from aspiration pneumonia. Secondary localization in a previous hemorrhage or infarction area, as a consequence of a bloodstream infection, is rarely documented,

with only a few cases reported in the medical literature. To our knowledge, this is the first case with this antibiotic-resistant organism.

Keywords

[Stroke](#) • [Brain abscess](#) • [Methicillin-resistant Staphylococcus aureus](#)

To read this article in full you will need to make a payment

[Purchase one-time access](#)

[Subscribe to *European Journal of Internal Medicine*](#)

Already a print subscriber? [Claim online access](#)

Already an online subscriber? [Sign in](#)

Register: [Create an account](#)

Institutional Access: [Sign in to ScienceDirect](#)

References

1. Chen S.T. • Tang L.M. • Ro L.S.
Brain abscess as a complication of stroke.
Stroke. 1995; **26**: 696-698

[View in Article](#) 

[Scopus \(41\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)

2. Lee K.S. • Bae W.K. • Bae H.G. • Doh J.W. • Yun I.G.

Brain abscess from a ganglionic hemorrhage: a case report.

J Korean Med Sci. 1994; **9**: 259-263

[View in Article](#) 

[Scopus \(17\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)

3. Arentoft H. • Schonheyder H. • Schonemann N.K.

Cerebral *Salmonella typhimurium* abscess in a patient with stroke.

Infection. 1993; **21**: 251-253

[View in Article](#) 

[Scopus \(12\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)

4. Ichimi K. • Ishiguri H. • Kida Y. • Kinomoto T.

Brain abscess following cerebral infarction: a case report.

No Shinkei Geka. 1989; **17**: 381-385

[View in Article](#) 

[PubMed](#) • [Google Scholar](#)

5. Sumioka S. • Kajikawa H. • Yamamura K. • Furuse M. •

Kajikawa M. • Pant B.

Putaminal abscess occurring at the site of hemorrhage: a case report.

[View in Article](#) ^

[PubMed](#) • [Google Scholar](#)

6. Ammon F. • Muller U.

Brain abscess: a possible complication of cerebral infarction?.

Schweiz Med Wochenschr. 1984; **14**: 58-62

[View in Article](#) ^

[Google Scholar](#)

7. Davenport R.J. • Gibson R. • Mumford C.J. • Will R.G.

Brain abscess complicating ischemic stroke.

Stroke. 1995; **26**: 1501-1502

[View in Article](#) ^

[PubMed](#) • [Google Scholar](#)

8. Mathisen G.E. • Johnson J.P.

Brain abscess.

Clin Infect Dis. 1997; **25**: 763-781

[View in Article](#) ^

[PubMed](#) • [Crossref](#) • [Google Scholar](#)

9. Venditti M. • Carfagna P. • Plastino A.R. • Capone A. •

Brandimarte C. • Baiocchi P. • Santini C.

***Staphylococcus aureus* meningitis in neurosurgery adult patients: retrospective, clinical and microbiologic analysis.**

[View in Article](#) ^

[Scopus \(3\)](#) • [Crossref](#) • [Google Scholar](#)

10. Voss A. • Milatovic D. • Wallranch-Schwarz C. • Rosdhal V.T. • Braveny I.

Methicillin-resistant *Staphylococcus aureus* in Europe.

Eur J Clin Microbiol Infect Dis. 1994; **13**: 50-55

[View in Article](#) ^

[Scopus \(563\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)

11. Boyce JM. Epidemiology and prevention of nosocomial infections. In: Crossley KB, Archer GL, eds. *The Staphylococci in Human Disease*, New York: Churchill Livingstone Inc, 1997:309–29.

[View in Article](#) ^

[Google Scholar](#)

12. Venditti M. • Baiocchi P. • Brandimarte C.

High rate of oxacillin-resistant *Staphylococcus aureus* isolates in an Italian University Hospital.

J Chemother. 1994; **3**: 25-28

[View in Article](#) ^

[Google Scholar](#)

13. Chambers HF. Parenteral antibiotics for the treatment of bacteremia and other serious staphylococcal infections. In: Crossley KB, Archer

GL, eds. The Staphylococci in Human Disease. Churchill Livingstone Inc, New York, 1997:583–601.

[View in Article](#) 

[Google Scholar](#)

14. Baiocchi P. • Galiè M. • Santini C. • Carfagna P. • Cassone M. • Tarasi D. • Venditti M.

In vitro susceptibility of *Staphylococcus aureus* isolated from blood to currently used antistaphylococcal drugs.

J Chemother. 1998; **10**: 25-28

[View in Article](#) 

[Scopus \(4\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)

15. Labischinski H. • Ehlert K. • Wieland B.

Novel antistaphylococcal targets and compounds.

Exp Opin Invest Drugs. 1998; **7**: 1245-1256

[View in Article](#) 

[Scopus \(11\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)

Article Info

Publication History

Accepted: November 8, 1999

Received in revised form: October 28, 1999

Received: August 11, 1999

Identification

Copyright

© 2000 Elsevier Science B.V. Published by Elsevier Inc. All rights reserved.

ScienceDirect

[Access this article on ScienceDirect](#)

Related Articles

[HEREDITARY HEMORRHAGIC TELANGIECTASIA \(OSLER-RENDU-WEBER SYNDROME\) AND BRAIN ABSCESS: CASE PRESENTATION](#)

European Journal of Internal Medicine, Vol. 22

[Full-Text](#) • [PDF](#)

[Cerebral abscess mimicking TIA](#)

European Journal of Internal Medicine, Vol. 20, Issue 1

[In Brief](#) • [Full-Text](#) • [PDF](#)

[P54 Brain abscess caused by streptococcus pneumoniae](#)

European Journal of Internal Medicine, Vol. 14

[Full-Text](#) • [PDF](#)

[Nocardiosis: A 15-year experience in a tertiary medical center in Israel](#)

European Journal of Internal Medicine, Vol. 24, Issue 6

[In Brief](#) • [Full-Text](#) • [PDF](#)

Native valve right sided infective endocarditis

European Journal of Internal Medicine, Vol. 24, Issue 6

[In Brief](#) • [Full-Text](#) • [PDF](#)

Cerebral and liver abscesses caused by *Streptococcus intermedius*, an unusual clinical coexistence

European Journal of Internal Medicine, Vol. 24

[In Brief](#) • [Full-Text](#) • [PDF](#)

Multiple cerebral abscesses as a complication of *Mycobacterium fortuitum* infection

European Journal of Internal Medicine, Vol. 14, Issue 6

[In Brief](#) • [Full-Text](#) • [PDF](#)

Nocardiosis in a tertiary care hospital on the island of Gran Canaria

European Journal of Internal Medicine, Vol. 15, Issue 2

[In Brief](#) • [Full-Text](#) • [PDF](#)

SEASONALITY OF POSITIVE BLOOD CULTURES IN AN INTERNAL MEDICINE DEPARTMENT OF A TERTIARY HOSPITAL

European Journal of Internal Medicine, Vol. 22

[Full-Text](#) • [PDF](#)

Risk factors for metastatic infection in patients with *Staphylococcus aureus* bacteremia with and without endocarditis

European Journal of Internal Medicine, Vol. 14, Issue 4

[In Brief](#) • [Full-Text](#) • [PDF](#)

[Home](#)

ARTICLES AND ISSUES

[Articles in Press](#)

[Current Issue](#)

[List of Issues](#)

FREE COLLECTIONS

[Editors Choice](#)

[Internal Medicine Flashcards](#)

FOR AUTHORS

[About Open Access](#)

[Author Information](#)

[Researcher Academy](#)

[Submit Your Manuscript](#)

JOURNAL INFO

[About Open Access](#)

[About the Journal](#)

[Abstracting/Indexing](#)

[Career Opportunities](#)

[Contact Information](#)

[Editorial Board](#)

[Info for Advertisers](#)

[New Content Alerts](#)

[Pricing](#)

[Calendar of Events](#)

[Subscribe](#)

[Society Information](#)

MORE PERIODICALS

[Find a Periodical](#)

[Go to Product Catalog](#)

continuing you agree to the [use of cookies](#).

Copyright © 2020 Elsevier Inc. except certain content provided by third parties.

RELX™

ENT

