



**HAL**  
open science

## 'ESCMID guidelines on diagnosis and treatment of brain abscess in children and adults' - Author's reply

Jacob Bodilsen, Quintino Giorgio D'alessandris, Hilary Humphreys, Mildred A Iro, Matthias Klein, Katharina Last, Inmaculada López Montesinos, Pasquale Pagliano, Oguz Reşat Sipahi, Rafael Sanjuán, et al.

### ► To cite this version:

Jacob Bodilsen, Quintino Giorgio D'alessandris, Hilary Humphreys, Mildred A Iro, Matthias Klein, et al.. 'ESCMID guidelines on diagnosis and treatment of brain abscess in children and adults' - Author's reply. *Clinical Microbiology and Infection*, 2024, 30 (1), pp.149-150. 10.1016/j.cmi.2023.10.012 . hal-04283022

**HAL Id: hal-04283022**

**<https://hal.science/hal-04283022>**

Submitted on 15 Jan 2024

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution - NonCommercial 4.0 International License

## REPLY TO AUTHOR

### “ESCMID guidelines on diagnosis and treatment of brain abscess in children and adults”

Jacob Bodilsen<sup>1,2,3</sup>, Quintino Giorgio D’Alessandris<sup>4,5</sup>, Hilary Humphreys<sup>6</sup>, Mildred A. Iro<sup>7</sup>, Matthias Klein<sup>3,8</sup>, Katharina Last<sup>3,9</sup>, Inmaculada López Montesinos<sup>10,11</sup>, Pasquale Pagliano<sup>3,12,13</sup>, Oğuz Reşat Sipahi<sup>3,14,15</sup>, Rafael San-Juan<sup>11,16,17</sup>, Pierre Tattevin<sup>3,18</sup>, Majda Thurnher<sup>19</sup>, Rogelio de J. Treviño-Rangel<sup>20,21,22,23</sup>, and Matthijs C. Brouwer<sup>3,24</sup> for the ESCMID Study Group for Infections of the Brain (ESGIB)

- 1) Department of Infectious Diseases, Aalborg University Hospital, Aalborg, Denmark
- 2) Department of Clinical Medicine, Aalborg University Hospital, Aalborg, Denmark
- 3) ESCMID Study Group for Infections of the Brain (ESGIB), Basel, Switzerland
- 4) Department of Neurosurgery, Fondazione Policlinico Universitario “A. Gemelli” IRCCS, Rome, Italy
- 5) Department of Neuroscience, Università Cattolica del Sacro Cuore, Rome, Italy
- 6) Department of Clinical Microbiology, Royal College of Surgeons in Ireland University of Medicine and Health Sciences, Dublin, Ireland
- 7) Department of Paediatric infectious diseases and immunology, The Royal London Children’s Hospital, Barts Health NHS Trust, London, UK
- 8) Department of Neurology, Hospital of the Ludwig-Maximilians University, Munich, Germany  
Emergency Department, Hospital of the Ludwig-Maximilians University, Munich, Germany
- 9) Institute for Hygiene and Public Health, University Hospital Bonn, Bonn, Germany
- 10) Infectious Disease Service. Hospital del Mar. Institut Hospital del Mar d’Investigacions Mèdiques (IMIM), Barcelona, Spain
- 11) CIBERINFEC ISCIII, CIBER de Enfermedades Infecciosas, Instituto de Salud Carlos III, Madrid, Spain
- 12) Department of Medicine, Surgery and Dentistry, Scuola Medica Salernitana, Unit of Infectious Diseases, University of Salerno, Baronissi, Italy
- 13) UOC Clinica Infettivologica AOU San Giovanni di Dio e Ruggi d’Aragona – Salerno – Italy
- 14) Ege University, Faculty of Medicine, Department of Infectious Diseases and Clinical Microbiology, Bornova, Izmir, Turkey
- 15) Bahrain Oncology Center, King Hamad University Hospital, Infectious Diseases Department, Muharraq, Bahrain
- 16) Unit of Infectious Diseases, 12 de Octubre University Hospital, Madrid, Spain.
- 17) ESCMID Study Group for Infections in Compromised Hosts (ESGICH)
- 18) Department of Infectious Diseases and Intensive Care Unit, Pontchaillou University Hospital, Rennes, France
- 19) Department of Biomedical Imaging and Image-guided Therapy, Medical University of Vienna, Vienna, Austria
- 20) Universidad Autónoma de Nuevo León, Faculty of Medicine, Department of Microbiology. Monterrey, Nuevo León, Mexico
- 21) ESCMID Fungal Infection Study Group (EFISG)
- 22) ESCMID Study Group for Antimicrobial Stewardship (ESGAP)
- 23) ESCMID Study Group for Genomic and Molecular Diagnostics (ESGMD)
- 24) Department of Neurology, Amsterdam Neuroscience, Amsterdam UMC, University of Amsterdam, Amsterdam, The Netherlands

Address correspondence:

Dr. Jacob Bodilsen  
Department of Infectious Diseases, Aalborg University Hospital  
Mølleparkvej 4, 9000 Aalborg, Denmark  
Email: [Jacob.bodilsen@rn.dk](mailto:Jacob.bodilsen@rn.dk)

We thank Dr. Boyer and colleagues for their relevant comment regarding recommendations on empiric antimicrobial treatment of post-surgical brain abscess.[1] We agree that an anti-pseudomonal cephalosporin (combined with vancomycin or linezolid) may be an equally appropriate choice compared with carbapenems in settings with a low risk of multi-drug resistant gram-negative organisms. Recommendations in the ESCMID guideline may be tailored according to country-specific prevalences of multi-drug resistant organisms and stewardship principles to limit unnecessary use of carbapenems remain important.[2]

Conflicts of interest:

All authors report no conflicts of interests relevant to this guideline.

Funding:

The guideline was funded by the European Society of Clinical Microbiology and Infectious Diseases, (ESCMID).

Authors' contribution:

The first author named is lead and corresponding author. All other co-authors reviewed approved the manuscript.

## References

1. Boyer J, Kriegl L, Valentin T, Krause R. Re: ESCMID guidelines on diagnosis and treatment of brain abscess in children and adults. *Clin Microbiol Infect*, 2023.
2. Bodilsen J, D'Alessandris QG, Humphreys H, Iro MA, Klein M, Last K, et al. ESCMID guidelines on diagnosis and treatment of brain abscess in children and adults. *Clin Microbiol Infect Off Publ Eur Soc Clin Microbiol Infect Dis* 2023. 55 <https://doi.org/10.1016/j.cmi.2023.08.016>.