Target Audience
Up to 60 physicians who treat patients with acute bacterial meningitis or brain abscess, ID specialists, intensivists, emergency medicine specialists, microbiologists and neurologists.

Faculty Members
Matthijs Brouwer, Amsterdam, Netherlands
Konstantinos Dimitriadis, Munich, Germany
Olgka Dzupova, Prague, Czech Republic
Matthias Klein, Munich, Germany
Uwe Kordel, Munich, Germany
Stephen Leib, Berne, Switzerland
Jennifer Lin, Dresden, Germany
Fiona McGill, Liverpool, United Kingdom
Bruno Mourvillier, Paris, France
Marco Oggoni, Leicester, United Kingdom
Christian Ottergaard, Copenhagen, Denmark
Hans-Walter Pfister, Munich, Germany
Oguz Sipahi, Izmir, Turkey
Jean Paul Stahl, Grenoble, France
Diederik van de Beek, Amsterdam, Netherlands

Picture outside: Cerebral abscess. Causative pathogens: Staphylococcus aureus.
Picture inside: Turbid cerebrospinal fluid (CSF) in a patient with pneumococcal meningitis.

Course Objectives
Acute CNS infections are still associated with high mortality and morbidity. Crucial factors for improving outcome are a quick diagnostic work-up, the swift start of empiric antibiotic treatment and, in pneumococcal meningitis, adjunctive therapy with dexamethasone. One important reason for the poor outcome is the frequent development of intracranial complications.

In the postgraduate education course “acute bacterial CNS infections of the brain”, the first focus will be on the diagnostic work-up of patients with suspected CNS infections. The second focus will concentrate on the therapeutic management and, finally, the participants will learn how to deal with intracranial complications in CNS infections. The majority of the session will take place in groups under the guidance of expert senior physicians on CNS infections. This setting will ensure an intense and interactive teaching atmosphere.
Thursday, 11 October 2018

12:30 Registration
13:00 Introduction and organization. Matthias Klein
13:20 Spectrum of CNS infections: what are we dealing with? Stephen Leib
14:00 Clinical presentation of patients with meningitis. Matthias Brouwer
14:20 CSF analysis – viral, bacterial or non-infectious? Fiona McGill
14:40 Coffee break

15:10 Parallel case seminars with alternating groups (35 minutes each)
- The patient with suspected acute meningitis/encephalitis. Matthias Klein
- Patients with subacute/chronic meningoencephalitis. Matthias Brouwer
- CSF analysis – viral or bacterial meningitis? Autoimmune? Fiona McGill

16:40 Participants’ presentations of clinical cases
17:40 Optimizing emergency care (visit of the ER)

Friday, 12 October 2018

08:30 How to find the causative pathogen. Christian Østergaard
09:00 Antibiotic and adjunctive therapy in acute bacterial meningitis. Diedrich van de Beek
09:30 Radiologic work-up in acute CNS infections. Jennifer Linn
10:00 Coffee break
10:30 Therapy of established CNS infections: parallel case seminars with alternating groups (35 minutes each)
- Nosocomial meningitis and the immunocompromised patient. Diedrich van de Beek
- Brain abscess, paraspinous abscess and spondylodiscitis. Hans-Walter Pfister
- Viral meningoencephalitis. Jean Paul Stahli
12:30 Lunch
13:30 Understanding the causative pathogens. Marco Oggoni
14:15 The host immune response in CNS infections. Uwe Koedel
14:45 Coffee break
15:15 Bacterial meningitis and endocarditis. Olga Dzupova
15:45 Up-to-date: fungal infections of the CNS. Oguz Sipahi
16:15 Participants’ presentations of clinical cases
17:00 Optimizing supportive care (visit of the NICU)
18:00 Get together

Saturday, 13 October 2018

08:15 Optimizing supportive care (visit of the NICU)
09:00 Optimizing-emergency care (visit of the ER)
09:30 Participants’ presentations of clinical cases
10:00 Up-to-date: ICU studies on CNS infections. Bruno Mourvillier
10:30 Coffee break and snack
11:00 Neurointensive care in CNS infections: parallel case seminars with alternating groups (35 minutes each)
- Neuromonitoring. Konstantinos Dimitriades
- Vascular complications. Matthias Klein
- Cardiopulmonary supportive therapy. Bruno Mourvillier
13:00 Quiz and summary. Matthias Klein

Organization

Course Venue
Ludwig-Maximilians University
Klinikum Grosshadern
Marchioninistr. 15
81377 Munich, Germany

Registration Procedure
Register now online on the ESCMID website at www.escmid.org/education. Registration deadline is 31 August 2018.

Registration Fee
- EUR 400 for ESCMID members
- EUR 475 for all others

The registration fee includes all lectures and workshops (plus round tables at the neurologic intensive care unit and the emergency room), coffee breaks, lunches and dinner on Friday night. Accommodation and travel are not included. A contingent of hotel rooms for participants is pre-reserved. Please contact the administrative secretary Petra Mehlihorn for further information.

Attendance Grants
ESCMID provides a number of attendance grants for ESCMID “young scientist members”. The grant covers the registration fee. Accommodation and travel are not included. Please apply via the ESCMID website at www.escmid.org/education before 8 June 2018. Applicants will be informed about their acceptance by 22 June 2018.

CME Accreditation
The organizers of the course will apply for European CME accreditation through EACCME.