



ESGIB

ESCMID STUDY GROUP
FOR INFECTIOUS DISEASES
OF THE BRAIN

European Society of Clinical Microbiology and Infectious Diseases

History of ESGIB:

The group was founded 2007 as “ESCMID Meningitis Study Group” (EMESG), expanding in 2013 to cover all infectious diseases of the brain.

At the general assembly of EMESG 2012 the decision has been taken to broaden up the topic of EMESG from meningitis to include other infectious diseases of the central nervous system. To this end we have joined forces with colleagues interested in encephalitis to form a new study group called ESCMID Study Group for Infectious Diseases of the Brain (ESGIB).

Mission & Objectives

Infectious diseases of the brain are life threatening diseases; this is particularly true for encephalitis and meningitis, the most common serious manifestation of infection of the brain that often have a disastrous outcome. A significant fraction of emerging pathogens present as a neurological infection. Guidelines are needed for an improvement of medical as well as microbiological management. Physicians are not aware enough about long term sequelae and so there is an unmet need for educational programs. The group has for aim to support research (clinical as well as microbiological), to provide guidelines and educational programs.

Objectives

The objective of ESGIB is to promote and disseminate studies and knowledge on Infectious Diseases of the Brain. A multidisciplinary approach is necessary including scientists from clinical and molecular microbiology, neurology and infectious diseases. It is, therefore, the objective of the ESGIB to facilitate cooperation between these disciplines.

SG articles:

- Ricci Grandgirard D, Wenzel M, Braccini T, Salvatore P, Oggioni MR, Leib SL, Koedel U.. Inhibition of matrix metalloproteinases attenuates brain damage in experimental meningococcal meningitis. *BMC Infectious Diseases* (2014) 14:726
- Grandgirard D, Furi L, Ciusa ML, Baldassarri L, Knight DR, Morrissey I, Largiadèr CR, Leib SL, Oggioni MR. Mutations upstream of *fabI* in triclosan resistant *Staphylococcus aureus* strains are associated with elevated *fabI* gene expression. *BMC Genomics*. 2015 Apr 30;16:345.
- Arslan F, Meynet E, Sunbul M, Sipahi OR, Kurtaran B, Kaya S, Inkaya AC, Pagliano P, Sengoz G, Batirel A, Kayaaslan B, Yıldız O, Güven T, Türker N, Midi I, Parlak E, Tosun S, Erol S, Inan A, Oztoprak N, Balkan I, Aksoy Y, Ceylan B, Yılmaz M, Mert A. The clinical features, diagnosis, treatment, and prognosis of neuroinvasive listeriosis: a multinational study. *Eur J Clin Microbiol Infect Dis*. 2015 Jun;34(6):1213-21.

Interested in joining ?

Contact: Marco Oggioni mro5@leicester.ac.uk

Please come to the ESGIB General Assembly/Business Meeting:
Sunday, 10.04.2016 13.15 h 14.15 h Room G105



Activities in 2015/2016

The ESCMID guideline: Diagnosis and treatment of acute bacterial meningitis

has been accepted for publication in *Clinical Microbiology and Infection*.

- van de Beek, Cabellos, Dzupova, Esposito, Klein, Kloek, Leib, Mourvillier, Østergaard, Pagliano, Pfister, Read, Sipahi, & Brouwer. ESCMID guideline: Diagnosis and treatment of acute bacterial meningitis. *CMI* 2016 *in press*
- Please contact Matthijs Brouwer for the proofs of the manuscript m.c.brouwer@amc.uva.nl

ESGIB Bacterial Meningitis Meeting. 24 Apr 2015 Hvidovre Hospital, Hvidovre, Denmark. A half day meeting on scientific hot topics in bacterial meningitis and strategic planning of work within ESGIB. The meeting was followed by a tour given by Christian Ostergaard to the highly automatized microbiology facilities of the Department of Clinical Microbiology of the Hvidovre Hospital.

Upcoming Activities 2016/2017

@ ECCMID 2016 Amsterdam:

- ECCMID 2016 Amsterdam 1-hour Symposium: CNS distribution of antimicrobial agents revisited;
- ECCMID 2016 Amsterdam 2-hour Educational Workshop: Emerging viral diseases with neurological presentation;
- ECCMID 2016 Amsterdam 2-hour Educational Workshop: ESCMID guideline for the diagnosis and treatment of community-acquired bacterial meningitis;
- ECCMID 2016 Amsterdam Meet-the-Expert Session: Brain abscess - how to manage;

Outside ECCMID

- PGEC: Status quo of brain infections: 2016. Izmir, Turkey, 04.-07.09.2016; Organiser(s): ESGIB, Turkish Society of Infectious Diseases Specialists.(EKMUD) Turkish Society of Hospital Infection and Control (HIDER)
- 17th Journées Nationales d'Infectiologie (7-9/06/2016 Lille, France); Session in the French national I.D. annual meeting (JNI): New features in encephalitis (co-organizers ESGIB/SPILF)

Upcoming Activities: Will be discussed and planned during the ESGIB General Assembly/Business Meeting: Join the discussion and promote your ideas!