



# 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.

#### ESGIB: a vibrant community of collaborating scientists

#### SG contribution to publication 2018/19:

- Akyol D, Yildirim C, Taşbakan MI, Yamazhan T, Tünger A, Eraslan C, Sipahi OR. A Case of Polymicrobial Brain Abscess Caused By a Rare Bacterium: *Granulicatella elegans*. *Mediterr J Infect Microb Antimicrob* 2018 7 :3
- Bewersdorf JP, Grandgirard D, Koedel U, Leib SL. Novel and preclinical treatment strategies in pneumococcal meningitis. *Curr Opin Infect Dis*. 2018 Feb;31(1):85-92.
- Bodilsen J, Brouwer MC, Kjærgaard N, Sirks MJ, van der Ende A, Nielsen H, van de Beek D; DASGIB study group. Community-acquired meningitis in adults caused by *Escherichia coli* in Denmark and The Netherlands. *J Infect*. 2018 Jul;77(1):25-29.
- Maillet M, De Broucker T, Mailles A, Bouzat P, Stahl JP; steering committee; investigator group. Cerebrospinal fluid lactate concentration and bacterial encephalitis diagnosis. *Med Mal Infect*. 2018 Sep;48(6):396-402.
- Muri L, Grandgirard D, Buri M, Perny M, Leib SL. Combined effect of non-bacteriolytic antibiotic and inhibition of matrix metalloproteinases prevents brain injury and preserves learning, memory and hearing function in experimental paediatric pneumococcal meningitis. *J Neuroinflammation*. 2018 Aug 21;15(1):233.
- Popescu et al., Re-emergence of severe West Nile virus neuroinvasive disease in humans in Romania, 2012 to 2017-implications for travel medicine. *Travel Med Infect Dis*. 2018 Mar 12.
- Sipahi Oret al., Tigecycline in the treatment of multidrug-resistant *Acinetobacter baumannii* meningitis: Results of the Ege study. *Clin Neurol Neurosurg*. 2018 Sep;172:31-38.
- Tattevin P, Solomon T, Brouwer MC. Understanding central nervous system efficacy of antimicrobials. *Intensive Care Med*. 2018 Jun 23.
- Rupprecht TA, Manz KM, Fingerle V, Lechner C, Klein M, Pfirrmann M, Koedel U. Diagnostic value of cerebrospinal fluid CXCL13 for acute Lyme neuroborreliosis. A systematic review and meta-analysis. *Clin Microbiol Infect*. 2018 Dec;24(12):1234-1240.
- Stahl JP, A Mailles. Herpes Simplex Virus Encephalitis: An Update. *Mediterr J Infect Microb Antimicrob* 2018;7:24.

#### Activities in 2018/2019

##### ESCMID Postgraduate Education Course Acute Bacterial CNS Infections of the Brain. Munich, Germany 11 –13 October 2018.

The course was a great success running three parallel sessions including visits to the Neurology-ICU and the Emergency Care of the University Hospital. The workshop attracted 48 participants from 15 different countries and was a great opportunity to network between the participants and the faculty.

**ESGIB scientific meeting pre-ECCMID. 20/04/2018 Madrid.** A half-day discussion and networking meeting to exchange unpublished ongoing work with the aim to set up new scientific collaborations within ESGIB.



#### Upcoming Activities 2019

##### @ ECCMID 2019 Amsterdam:

- [Device-related central nervous system \(CNS\) infections](#): 15/04
- Neuroinvasive viral infection: 16/04

##### Outside ECCMID

- ESCMID Postgraduate Education Course 3rd course on Encephalitis, ESGIB. 26 – 28 June 2019 at the Medical University of Grenoble, Hospital Center University of Grenoble, La Tronche, Grenoble, France.
- ESCMID Postgraduate Education Course Challenges in the diagnosis of life-threatening infections. ESGFOR – ESGARS – ESGBIES – ESGMD – ESGIB. 26 - 28 June -2019, Zagreb (Croatia). Venue: Palace Hotel Zagreb.

**Upcoming Activities:** Will be discussed and planned during the ESGIB Business Meeting: Join the discussion and promote your ideas! (Room G106/107, on Sunday 14th, 4 to 6 PM)

#### Interested in joining ?

Contact: Marco Oggioni [mro5@leicester.ac.uk](mailto:mro5@leicester.ac.uk)

Please come to the ESGIB Business Meeting: Sunday 14/04/2019, from 4 to 6 pm, Room G106/107

