

Postgraduate Technical Workshop

Laboratory Diagnosis of Human Parasitic Infections



Leiden, the Netherlands
27 – 31 January 2020 &
3 – 7 February 2020



Postgraduate Technical Workshop

Laboratory Diagnosis of Human Parasitic Infections

Organiser

- Leiden University Medical Center (LUMC), Department of Parasitology and Boerhaave CME
- University of Applied Sciences Leiden

Course Coordinators

- Lisette van Lieshout, Leiden, The Netherlands
- Eric Brienen, Leiden, Leiden, The Netherlands
- Annelies van Goor, Leiden, The Netherlands

Course Objectives

The course focuses on the diagnostic aspects of parasitic infections of importance in routine clinical practice in European countries. There will be intense practical sessions using high quality clinical samples for microscopy examination, real-life cases and interactive photo quizzes. During the first week the practical sessions will cover about 70% of the course and will be alternated with in-depth lectures given by experts in the field of clinical parasitology. During the second week the focus will be more on the clinical and epidemiological aspects. By the end of the course the participants will be familiar with clinical, diagnostic and therapeutic aspects of most common parasitic infections, including those seen in travellers and immigrants such as malaria, schistosomiasis and intestinal helminths. Some less common parasitic infections will be discussed, as well as the role of molecular diagnostics within routine laboratory practice.

This international course is part of a full two weeks course designed for Dutch clinical medical microbiologists in training and experienced senior technicians. The Dutch parasitology course has been successfully organized by the same Leiden group for more than 20 years. International participants can subscribe for week 1 or week 2 or the full course.

Course Programme – week 1

Monday, 27 January 2020

- Introduction and registration
- Patient case of the day
- Soil transmitted helminths
- Strongyloides
- Taenia and other common cestodes
- Slide quiz

Tuesday, 28 January 2020

- Patient case of the day
- Schistosomiasis and other common trematodes
- Echinococcosis and other zoonotic helminths
- Lab procedures for the diagnosis of helminths
- Slide quiz

Wednesday, 29 January 2020

- Patient case of the day
- Intestinal protozoa
- Artefacts of microscopy
- Lab procedures for the diagnosis of protozoa
- Slide quiz

Thursday, 30 January 2020

- Patient case of the day
- Malaria
- Lab procedures for the diagnosis of blood parasites
- Blinded cases
- Laboratory diagnosis of coccidian and less common intestinal parasites
- Slide quiz

Friday, 31 January 2020

- Patient case of the day
- New developments in molecular diagnosis of parasites
- Blinded cases
- Slide quiz
- Remaining parasites of interest and clinical cases

Course Programme – week 2

Monday, 3 February 2020

- Patient case of the day
- Pneumocystose (optional)
- Parasites of the skin
- Clinical aspects and treatment of malaria
- Non-microscopy diagnosis of malaria
- Complicated malaria cases in the lab
- Slide quiz - malaria

Tuesday, 4 February 2020

- Patient case of the day
- Ectoparasites
- Parasites of immunocompromised patients
- Filariasis and Dracunculus
- Toxoplasmosis and Toxocara
- Slide quiz

Wednesday, 5 February 2020

- Patient case of the day
- Trichomonas
- Clinical cases seen in a teaching hospital in the Netherlands
- Treatment of parasitic infections
- Visit to LUMC parasitology research department

Thursday, 6 February 2019

- Patient case of the day
- Molecular diagnosis of Leishmania and Trypanosoma
- Clinical aspects of rare and exotic parasites
- Free living amoeba
- Clinical cases seen in a regional hospital in the Netherlands

Friday, 7 February 2019

- Patient case of the day
- Microscopy-based techniques for the diagnosis of intestinal parasites – a discussion
- E-diagnosis, artefacts and delusions
- Blinded cases
- Slide quiz

Organisation

Course Venue

University of Applied Sciences Leiden
Zernikedreef 11
2333 CK Leiden
The Netherlands

Phone +31 71 5188 800

www.hsleiden.nl/english

Registration procedure

Non-Dutch participants register by contacting Dr Lisette van Lieshout

Dutch participants register directly via www.boerhaavenascholing.nl

Registration deadline for Dutch participants is 11 January 2020.

For international participants the deadline depends on the number of potential candidates. Please contact the organisation for details.

The course has been organized yearly around the same time of the year. Ask for information about future courses in case you are interested to participate.

Registration Fee:

EUR 1500 for full course of 2 weeks

EUR 950 for one week course, those who want to participate in the second week only need to contact Dr Lisette van Lieshout beforehand.

The fee includes coffee, tea, lunches and teaching materials.

Travel costs, accommodation (incl. breakfast) & dinners are not included.

Attendance Grants

In the 2020 course there are no attendance grants.

CME Accreditation

Accreditation by NVMM and the NVP (Dutch societies for Medical Microbiology and for Parasitology).

Target Audience:

Medical doctors, biomedical researchers, or senior technicians interested and/or working in clinical parasitology, preferably in a European setting. The international participants (maximum 8) will collaborate intensively with the Dutch (maximum 12) course participants. Those who are not familiar at all with clinical parasitology are expected to do some introductory reading beforehand. All teaching materials will be provided. In the second course week the focus will be more on exotic parasites, in depth details of clinical presentation and treatment and aspects specifically of interest within a Dutch context.

Faculty members (all from the Netherlands):

Speakers: (week 1 or week 2)

Department of Parasitology; LUMC

- E.A.T. Brienen (1,2)
- Prof. Dr. C.H. Hokke (2)
- Dr. L. van Lieshout (1,2)
- Dr. M. Roestenberg (2)

Other departments LUMC

- Dr. M. van der Beek, Dept. Medical Microbiology (2)
- Prof. Dr. L.G. Visser, Dept. Infectious Diseases (1,2)

Guest-speakers

- Drs. A. van Goor, Microbiology, University of Applied Sciences Leiden (1,2)
- Dr. C.L.M. van Hees, Dermatology, Erasmus MC, Rotterdam (2)
- Dr. J.J. van Hellemond, Microbiology, Erasmus MC, Harbour hospital, Rotterdam (2)
- Drs. L.M. Kortbeek, Center of Disease Control the Netherlands ; National Institute of Public Health and Environment, Bilthoven (1,2)
- Dr. T.G. Mank, Regional Laboratory for Medical Microbiology and Public Health, Haarlem (1)
- Dr. B. Mulder, Dept. Medical Microbiology and Infectious Diseases; Canisius Wilhelmina Hospital;Nijmegen (2)
- Dr. F. Stelma, Dept. Medical Microbiology, Radboud UMC, Nijmegen (2)
- Dr. J.J. Verweij, Laboratory for Medical Microbiology and Immunology; Laboratory for Clinical Pathology; St. Elisabeth Hospital, Tilburg (1,2)

Contact person (Scientific Programme):

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