

DIAGNOSIS OF PARASITES IN HUMAN TISSUES

11-13 settembre 2006 Negrar – Verona ITALY



Prof. Lawrence R. Ash, Ph.D.

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THIS COURSE WILL BE IN ENGLISH

This course is jointly organised by the Centre for Tropical Diseases (Director Dr. Zeno Bisoffi) and by the Service of Pathology (Director Prof. Giuseppe Zamboni) of the "Sacro Cuore – Don G.Calabria Hospital" of Negrar (Verona), with the "Fondazione Don G. Calabria per le Malattie Tropicali" and will be held at the "Sacro Cuore – Don G.Calabria Hospital" from September 11th to 13th 2006

SCIENTIFIC SECRETARY

Stefania Marocco and Maria Gobbo

Centro per le Malattie Tropicali Ospedale "S. Cuore- Don Calabria" Negrar - Verona - ITALY

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ORGANIZING MANAGER

COURSE COORDINATORS

Martina Speri, UFFICIO FORMAZIONE Ospedale "S. Cuore - Don Calabria" via Don Sempreboni, 5 37024 Negrar – Verona - ITALY Prof. Lawrence R. Ash, Ph.D. Dr. Giovanni Swierczynski Mrs. Maria Gobbo

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Candidates

Medical Doctors, Biologists, Laboratory and Pathology Technicians

Maximum number of participants: 33

Learning Objectives and Specific Contents

- 1. Presentation of an overview of human and animal parasites that can occur in human tissues. Discussion of basic tissue structures of the major helminth groups: Nematodes, Trematodes and Cestodes
- 2. Within the nematodes, a discussion and approach to the identification of the more important nematode parasites found in human tissues:
 - a. Filarial worms
 - b. Ascarids and Anisakids
 - c. Trichuroids (including Trichuris, Trichinella, Capillaria)
 - d. Strongyloides
 - e. Larval nematodes causing visceral larva migrans (*Toxocara*, *Baylisascaris*, hookworms, Gnathostomes)
 - f. Pinworms
- 3. Discussion of trematodes and their eggs often found in human tissues:
 - a. Liver flukes (Clonorchis, Fasciola)
 - b. Lung flukes (Paragonimus)
 - c. Schistosome parasites)
- 4. Discussion of cestode larval stages often found in human tissues
 - a. Cysticercosis (Taenia solium)
 - b. Sparganosis (Spirometra spp)
 - c. Hydatid cysts (Echinococcus granulosus and E. multilocularis)
- 5. Approaches to diagnosis of protozoan parasites in human tissues
 - a. Amebiasis (intestinal and free-living pathogenic amebae)
 - b. Toxoplasmosis and other coccidian parasites
 - c. Leishmaniases
 - d. Trypanosomiases
- 6. Overview of Arthropods encountered in human tissues
- 7. Overview of Artifacts sometimes found in human tissues
- 8. Opportunities to study in histologic section many of the parasites covered in the lecture material

Methodology

40% lectures

60% practical work with tutor

PROGRAM

Monday 11th September

09.00 - 09.30	Introduction to the Workshop	Or. Bisoffi/Prof. Zamboni
09:30 - 11:00	Theory and approach to diagnosing helminths in tissue	Prof. Ash / Prof. Orihel
11.00 - 11.30	Coffee Break	
11.30 - 13.30	Nematodes (roundworms): morphology in tissue section	Prof. Ash / Prof. Orihel
13.30 - 14.30	LUNCH	
14.30 - 16.30	Examples of microscopic diagnosis of nematodes	Prof. Ash / Prof. Orihel
16.30 - 17.00	Coffee Break	
17.00 - 18.30	Continuation of diagnosis by microscopy	Prof. Ash / Prof. Orihel

Tuesday 12th September

09.00 - 11.00	Trematodes and Cestodes – morphology in tissue section	Prof. Ash
11.00 - 11.30	Coffee Break	
11.30 - 13.30	Examples: microscopic diagnosis of flatworms in tissue	Prof. Ash / Prof. Orihel
13.30 - 14.30	LUNCH	
14.30 - 16.30	Protozoa: intestinal and free-living amebae; toxoplasmos	is,
	leishmaniasis, Trypanosoma cruzi, malaria	Prof. Ash / Prof. Orihel
16.30 - 17.00	Coffee Break	
17.00 - 18.30	Examples of microscopic diagnosis of protozoa in tissue	Prof. Ash / Prof. Orihel

Wednesday 13th September 09.00 - 10.30 Artifacts in tissue section

09.00 - 10.30	Artifacts in tissue sections	Prof. Ash
	Arthropods and rare tissue parasites	Prof. Orihel
10.30 - 11.00	Coffee Break	
11.00 - 13.30	Microscope diagnosis	Prof. Ash / Prof. Orihel
13.30 - 14.30	LUNCH	
14.30 - 17.00	Discussion and post-test	Prof. Ash / Prof. Orihel

Deadline for applications: 28th August, 2006

Applications will be considered on a « first come, first served » basis. After the deadline, applications will be considered only in case of vacancies.

Fee

The course fee is €(euro) 500,00. This fee includes: tuition, handouts, lunch and coffee breaks. It does not include travel and accommodation. In case of withdrawal in the two weeks before the course, only 20% of the fee will be reimbursed.

For student attending a post doc course (a document proving the matriculation to a specialization school is required): €100,00.

HOW TO REACH NEGRAR

By car

Exit Verona Nord, Brennero motorway.

Go straight on the main road until the end, then turn right and follow indications to Negrar.

By train

Railways Station Verona Porta Nuova. In front of the Station, take a bus to Negrar (informations on tickets and timetables at the APT Office, just outside the Station). Bus stop "Ospedale di Negrar".

By air

There is a shuttle bus to the Railways Station Verona Porta Nuova (see above)



