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Draft agenda

# Training Course on Dourine

Teramo, Italy, 18 – 19 April 2012  
Hotel Sporting, Montecarlo Room

## Introduction

Dourine is a parasitic disease of equids caused by *Trypanosoma equiperdum* of the subgenus Trypanozoon. This subgenus also includes the three subspecies of *T. brucei* (*T. brucei brucei*, *T. b. gambiense* and *T. b. rhodesiense*), the same agents causing African trypanosomiasis (sleeping sickness in humans) and *T. evansi*, the aetiological agent causing Surra.

Dourine is the only trypanosomosis not transmitted by insect vectors. It is generally transmitted sexually from infected to healthy animals.

The infection is endemic in many areas of Asia and Africa and is also found in the Middle East, South America and Eastern Europe.

In Italy, after eradication in the 1940s, a serious epidemic occurred in the mid-70s. It was then eradicated once more, and the last cases before May 2011, were notified to the World Organisation for Animal Health (OIE) in 1996.

Furthermore diagnosis is still difficult because of the non-constant presence of clinical signs, non-pathognomonic lesions and the existence of forms with few or no symptoms.

Istituto G. Caporale (ICT) as National Reference Centre for Foreign Animal Diseases will present progress concerning Dourine diagnosis at Italian level. The event will also offer the opportunity to deepen surveillance and control strategies at European level.

## Learning objectives and beneficiaries

The training course will offer the opportunity:

- to present activities, research projects and experiences carried out by the National Reference Centre for Foreign Animal Diseases of Istituto G. Caporale (ICT) focused on Dourine diagnosis;
- to deepen surveillance and control strategies adopted in Italy and in Europe;
- to share experiences at national and international level.

This course aims at providing Italian Official Veterinarians belonging to the National Competent Authority, the Regional Veterinary Services, Istituti Zooprofilattici Sperimentali and Research Institutions, with the necessary tools to recognise, diagnose and control Dourine disease.

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## Draft Agenda

Wednesday 18 April 2012

Time	Topic	Tutor
13.30	Registration phase	Secretariat
14.00	Welcome address and course introduction	R. Lelli, <i>Director, Istituto G. Caporale</i> M. Scacchia, <i>Istituto G. Caporale</i>
14.15	<i>Trypanosoma equiperdum</i> and <i>T. evansi</i> : distribution, biology, phylogenetics and host relationship	R. Brun, <i>Swiss Tropical and Public Health Institute</i>
15.00	Kinetoplastids without a kinetoplast: how <i>Trypanosoma equiperdum</i> and <i>T. evansi</i> survive without mitochondrial DNA	A. Schnauffer, <i>Edinburgh University</i>
15.45	Coffee break	-
16.10	ICT experience on clinical diagnosis of Dourine	A. Carvelli, M. Podaliri, <i>Istituto G. Caporale</i>
17.10	Pathological findings in infections of <i>Trypanosoma equiperdum</i>	G. Di Francesco, <i>Istituto G. Caporale</i>
17.40	Indirect diagnosis and isolation	A. Di Provido, F. Sacchini, <i>Istituto G. Caporale</i>
18.20	Discussion	All tutors involved
18.40	End of the training day	-

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**Tuesday 19 April 2012**

Time	Topic	Tutor
9.00	Molecular diagnosis	C. Cammà, <i>Istituto G. Caporale</i>
9.40	Italian natural outbreaks (Sicily Region)	A. F. Marino, <i>Istituto Zooprofilattico Sperimentale of Sicily</i>
10.00	Results of surveillance plan in Italy	P. Calistri, A. Giovannini, <i>Istituto G. Caporale</i>
10.40	Coffee break	-
11.00	Presentation of the European Union Reference Laboratory for equine diseases especially focused on Dourine diagnosis	J. Cauchard, <i>EU-RL France</i>
11.40	Chemioterapy of Trypanosomosis with special reference of Dourine and Surra	R. Brun, <i>Swiss Tropical and Public Health Institute</i>
12.10	National legislation on Dourine	U. Santucci, O. Bessi <i>Ministry of Health</i>
12.50	National equine identification and registration system	A. Pastore <i>Ministry of Health</i>
13.10	Discussion and final remarks	R. Lelli, <i>Director, Istituto G. Caporale</i> M. Scacchia, <i>Istituto G. Caporale</i>
13.30	Final questionnaire	-
13.50	End of the training day	-

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## Course Methodology

The training approach stresses the dynamic interaction between tutors and attendants, aimed at stimulating the active participation of both parties to the learning process.

This therefore means that the course not only draws upon the academic knowledge of the "expert" but also upon the experience of the trainees thus assigning them an active role in the training process.

The methodology defined thus drawn upon:

- Lectures by experts in the sector;
- Case-study presentation;
- Assessment of achievement.

During the training course a simultaneous translation into Italian will be available.

## Course Tutors

This course is implemented by the Italian National Reference Centre for animal foreign diseases of animals of Istituto "G. Caporale". Tutors are recruited in the Italian National Reference Centre, as well as in other international research centres where scientific and technical expertise in the field of Dourine is available.

## Contacts

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