

THE ART AND THE SCIENCE OF ELECTRORETINOGRAPHY IN VETERINARY PRACTICE

Speakers:

Prof. Ron Ofri

DVM, PhD, DipECVO

Prof. Ursula Dietrich

Course Organiser:

EICKEMEYER® KG

Course Venue:

Kennington (London), UK

Overview:

In this course you will learn everything you wanted to know about ERG but were afraid to ask. We shall begin by reviewing the anatomy and physiology of the retina, to understand the origin of the ERG signal. Then we shall review the technical setup for a proper recording – how to prepare your patient, the equipment needed, and the protocols and settings you will use. We shall discuss how to improve your recordings by overcoming technical issues, such as noise, that may affect your recording. Additional electrophysiological modalities, such as VEP's, and pattern and multifocal ERG, will also be reviewed. Next, we will discuss ancillary tests in screening of cataract patients (e.g., gonioscopy, ultrasound). We shall conclude by reviewing and discussing clinical cases in electroretinography. You are also encouraged to submit your own ERG cases for discussion! In the second part of the course, we will introduce you to the new RETevet™ handheld ERG unit and its operation. We will conduct a wetlab, enabling you to practice recordings of various ERG protocols on sedated dogs. As space in the wetlab is limited, the class will be divided into two groups, and those not in the wetlab will „explore the posterior segment“ with Prof. Ursula Dietrich.

Target Group:

The course is intended primarily for two audiences. The first is veterinary ophthalmologists and other veterinarians with a substantial ophthalmology caseload. The second is researchers in the fields of vision and ophthalmology who conduct electrophysiological recordings in the course of their work.

What you will learn:

- Understand the anatomical and physiological origins of the ERG signal
- Be able to conduct a high-quality ERG recording, having covered every step from patient preparation to selecting the equipment and protocols suited for your needs
- Overcome technical issues affecting your signals, analyze the recording and reach a diagnosis

Central CPD
204a Manor Place, SE17 3BN
Kennington (London), UK

27. – 28.01.2024

€ 895,00 *plus VAT*

Registrations out of the UK:

British participants of the ERG Course can register and pay directly in the UK. The cost for the ERG Course is 795 GBP plus VAT. Receive a discount of 50 GBP on the Optics Course if both courses are booked. For registrations within the UK please send your data to info@eickemeyer.co.uk

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Course Program:

DAY 1 – Saturday, 27th January 2024

8.45 – 9.00	Registration and handout the course documents	EICKEMEYER®
9.00 – 9.10	Welcome and introduction	EICKEMEYER®
9.10 – 10.10	Where does the ERG signal come from? Retinal anatomy and physiology	Prof. Ron Ofri
10.10 – 11.10	What do I need to record an ERG? Patient preparation & equipment	Prof. Ron Ofri
11.10 – 11.30	Coffee break	
11.30 – 12.30	The key to good recordings. Protocols & overcoming technical problems	Prof. Ron Ofri
12.30 – 13.15	Lunch	
13.15 – 14.15	How do we use what we learned? Clinical cases in ERG	Prof. Ron Ofri
14.15 – 15.15	The ins and outs of the RETevet™	Monika Ranta
15.15 – 15.35	Coffee break	
15.35 – 16.25	Additional screening of cataract patients	Prof. Ursula Dietrich
16.25 – 17.00	Your ERG cases. Discussion of cases submitted by participants	Prof. Ron Ofri
20.00	Dinner at a Restaurant	

DAY 2 – Sunday, 28th January 2024

9.00 – 10.30	Group I – Disease of the posterior segment (Part I) Group II – ERG Wet Lab	Prof. Ursula Dietrich Prof. Ron Ofri, Monika Ranta
10.30 – 11.00	Coffee break	
11.00 – 12.00	Group I – Disease of the posterior segment (Part II) Group II – ERG Wet Lab / results	Prof. Ursula Dietrich Prof. Ron Ofri, Monika Ranta
12.00 – 13.00	Lunch	
13.00 – 14.30	Group II – Disease of the posterior segment (Part I) Group I – ERG Wet Lab	Prof. Ursula Dietrich Prof. Ron Ofri, Monika Ranta
14.30 – 15.00	Coffee break	
15.00 – 16.00	Group II – Disease of the posterior segment (Part II) Group I – ERG Wet Lab	Prof. Ursula Dietrich Prof. Ron Ofri, Monika Ranta
16.00 – 16.30	End of course, final discussion / results	Prof. Ron Ofri, Prof. Ursula Dietrich Monika Ranta

This program is subject to change!