



ECVS Pre-Congress

29th Annual Scientific Meeting

2-4 July 2020, Valencia, Spain

European College of Veterinary Surgeons c/o Equine Department, Vetsuisse Faculty, University of Zurich, Winterthurerstrasse 260, 8057 Zurich, Switzerland
phone: +41 (0)44 635 84 92 / 90 fax: +41 (0)44 635 89 91 email: info@ecvs.org web: www.ecvs.org

Introduction to Microsurgical Techniques (1 day)

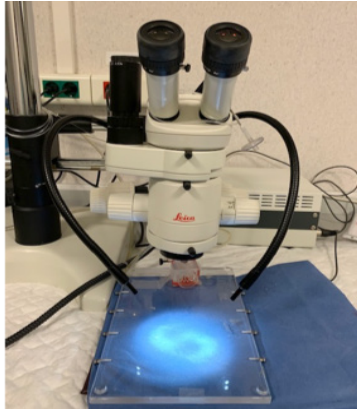
Wednesday, 1 July 2020, 08:30-17:45

Sponsored by Freelance Surgical Ltd.



Course type: Theory and practice

Description: This is the **second edition** of the course "Introduction to Microsurgical Techniques" at the ECVS meeting. The course is designed to give delegates a basic understanding and experience with general microsurgical / microvascular techniques. This course will be divided into a theoretical and a practical session using various low-fidelity models and fresh cadaveric tissues. **A larger portion of the course will be spent working with microscopes.** This year, the course will take place in a State-of-the-Art Surgery Research and Education center located in central Valencia, the Centro de Investigacion Principe Felipe (CIPF, <http://www.cipf.es>).



The **theoretical session** will review common indications for microsurgery in veterinary patients, use of magnification in the form of loupes and operating microscopes, basic instrumentation, ergonomics, and microsurgical suturing techniques.

The **practical session** will allow delegates to practice several techniques including simple linear suturing, end-to-end anastomosis, and end-to-side anastomosis using low-fidelity models and fresh cadaveric tissue and micro-suture material. All practical exercises will be performed using magnifying surgical loupes and operating microscopes. Delegates are welcome to bring their own loupes, otherwise surgical loupes (4x magnification) will be provided.



At the end of the course, each delegate should be able to:

- Close a linear defect in a vessel and ureter using a simple-interrupted and simple-continuous suture pattern
- Perform an end-to-end anastomosis of a 2-3 mm diameter vessel or ureter using a simple-interrupted and simple-continuous suture pattern
- Understand the basic instrumentation and techniques for use of microsurgical coupling devices

Lecturers: Guillaume Chanoit, DEDV, MSc, PhD, DACVS, DECVS, FHEA (GC)
Robert Hardie, DVM, DACVS, DECVS (RH)

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The course was a great introduction to microsurgery. It was a perfect combination of theory and practical components with plenty of time and guidance to practice the different techniques.
(Feedback from delegates, previous edition)

Schedule

08:30-08:45	Registration	
08:45-09:00	Faculty introduction and learning objectives	GC
09:00-09:30	Indications for veterinary microsurgery - ureteral, vascular, peripheral nerve repair	GC, RH
09:30-10:30	Discussion of basic surgical principles - use of magnification, ergonomics, tissue handling, suturing techniques. Discussion on how specific microsurgical techniques are different from some traditional suturing techniques. <ul style="list-style-type: none">• Linear suturing techniques – simple-interrupted and simple-continuous patterns• End-to-end anastomosis• End-to-side anastomosis	GC, RH
10:30-11:00	Coffee break	
11:00-12:30	Practical session (dry lab) <ul style="list-style-type: none">• Introduction to the use of a microscope / surgical loupes - fitting and adjustment for maximum clarity.• Demonstration of specific instrumentation used in the lab and proper handling techniques - locking vs non locking jaws, pencil grip, ergonomic suturing angle, etc.• Demonstration of proper posture and hand position for loupes and microscope• Demonstration of specific suturing techniques that are different from traditional tissue handling and suturing - grasping vessel edges with forceps, grasping suture with instruments, use of surgeons throw, use of short suture tails, number of throws per knot, switching hands for grasping the free end of the suture, in-to-out vs out-to-in, etc.• Suturing on a grape – simple-interrupted suture pattern• Simple arteriotomy - linear incision closure using simple-interrupted pattern in different orientation angles	GC, RH
12:30-13:00	Products presentation	Reps



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13:00-14:00

Lunch break

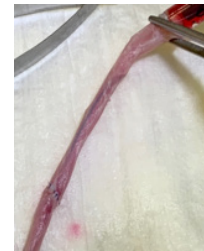
14:00-17:15

Practical session (wet and dry lab)

GC, RH

Using loupes and operating microscope

- End-to-end anastomosis (oblique)
- End-to-side anastomosis
- Patency testing
- Use of microsurgical coupler device



17:15-17:25

Discussion on available training models and techniques for routine practice

GC

17:25-17:45

Wrap-up - question and answer session

GC, RH

Each delegate will practice all exercises under magnification with a pair of surgical loupes and operating microscopes.

Number of participants: max. 16

Participation fee (€)

before 07 May 2020:

Diplomates and non-members: 800 €. Residents: 600 €

after 07 May 2020:

Diplomates and non-members: 850 €, Residents: 640 €



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