

Course program

AOVET Course—Principles in Small Animal Fracture Treatment

16-18 June 2015, León, Spain

Course Chairman: Aldo Vezzoni

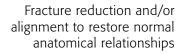
Fidel San Román Ascaso

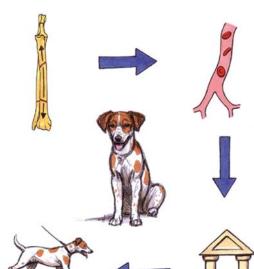


Value statement

AOVET is committed to improving the quality of patient care through state of the art education, which combines presentations from leading specialists in the field with the practice of surgical skills and techniques on anatomic models. This well-established and proven combination allows the veterinary surgeon to apply theory in practice with the goal of improving his/her treatment techniques for the benefit of the patients and their owners.

The AO principles of fracture management





Preservation of the blood supply to the soft tissues and the bone through a careful approach, gentle reduction and alignment techniques and atraumatic tissue handling

Early and safe mobilization and rehabilitation of the injured part/body region and the patient as a whole



Fracture fixation providing absolute or relative stability as required by the type of fracture, but also influenced by the injured bone, the patient, and the soft tissue condition

AOVET was founded in 1968 in Waldenburg, Switzerland with the help of Dr Fritz Straumann. He believed that the animals should also profit from the progress made in human fracture management. In 1968, several veterinarians met at the AO courses in Dayos and decided to initiate veterinary fracture management courses on a worldwide basis. From the beginning, the veterinary fracture management courses involved lectures and practical exercises and, since then, more than 15'000 veterinarians from 45 countries have attended AOVET courses.

Content

- 2 Value statement
- **2** The AO principles
- **3** Dear AOVET course participant
- 4 Course description
- 4 Learning objectives
- **5** Chairpersons
- **5** Faculty
- **6** Tuesday, June 16, 2015
- **7** Wednesday, June 17, 2015
- **8** Thursday, June 18, 2015
- **9** Course organization
- 9 Course information
- 9 Course logistics
- **10** Course venue

Dear AOVET course participant

We welcome you to this AOVET course and hope that your experience here will encourage you to become more interested in the AO community, specifically in AOVET.

What is AOVET? We are veterinarians associated with the AO Foundation and we form one of the organization's four Specialties along with AOCMF, AOSpine and AOTrauma. The goal of all Specialties is to integrate applied and clinical research, education and community development functions into one direction for the benefit of our members, stakeholders and patients.

How can AOVET help you? By working together and forming a dynamic group, we improve our ability to focus and leverage our resources, expertise and skills. This leads to better results and more rewards and benefits for our members.

Why should you join AOVET? WE NEED YOU! By joining AOVET you will become part of the veterinary family within the AO Foundation. Through this membership you will develop lifelong friendships with leading veterinary specialists in trauma care as well as with key players in human CMF, Spine and Trauma surgery. Being involved with these stimulating groups will help you to expand your "knowledge network" and will provide new opportunities to advance veterinary trauma care.

Yours sincerely,





Jörg AuerAOVET Chairperson



Rico VanniniAOVET Chair Education
Commission

Course description

The AOVET Principles Course is focused on the treatment with internal fixation of the most common fractures of small animals, by applying the AO principles.

This course is the cornerstone of the training in the operative treatment of fractures.

Learning objectives

- Recognition of the role of biology and mechanical aspects in the process of fracture healing.
- Learning and applying the AOVET principles in treating diaphyseal fractures of the appendicular skeleton.
- Acquisition of practical skill in the treatment of diaphyseal fractures through exercises on plastic bones.
- Recognition of the risks and potential intra-operative complications related to the treatment of fractures.

Course International Chairman



Aldo VezzoniDipl ECVS
Clinica Veterinaria Vezzoni srl Cremona. Italy.

Course National Chairman



Fidel San Román Ascaso Dipl EVDC Prof. Cat. Cirugía Fac. Vet. Madrid.

Faculty

José Altonaga Prof. Tit. Cirugía Fac. Vet. León.

Josep de la Fuente Prof. Asoc. Traumatología Fac. Vet. Autónoma Barcelona.

Mike Farrell Dipl ECVS. Senior Surgeon of Fitzpatrick Clinic Referrals. United Kingdom.

José Manuel Gonzalo Orden Prof. Tit. Cirugía. Fac. Vet. León.

Roberto Kostlin Dipl ECVS. Ex. Prof. Cirugía Fac. Vet Munich. Germany.

Ulrike Matis Dipl ECVS, Dipl.ACVS. Ex. Profa. Cirugía Fac. Vet Munich. Germany.

Jesús Rodríguez Quirós Prof. Cont. Fac. Vet. Madrid.

Miguel Ángel Sánchez-Valverde Prof. Cat. Cirugía. Fac. Vet. Murcia.

Assistants

Manuel García Gómez

Becario Cirugía Fac. Vet. León.

Fidel San Román-Llorens

PhD, Internship in Fitzpatrick Clinic.

Course local organization

Fundación para el estudio de la Osteosíntesis AO España (sección AOVet)

C/ Alfonso XII, 38 28014 Madrid, Spain Phone: +34 917 226 643 Email: egutie10@its.jnj.com mvillaab@its.jnj.com

Tuesday June 16, 2015

08:30 - 09:00 h.	Registration of participants	
09:00 - 09:10 h.	Welcome and presentation of the Course	F. San Román Ascaso
	Module 1. SCIENCE OF BONES, FRACTURES AND IMPLANTS	
09:10 - 09:20 h.	AO History and Philosophy	A. Vezzoni
09:20 - 09:40 h.	Bone Structure, Vascularity and Function	A. Vezzoni
09:40 - 10:10 h.	Bone Healing Under Stable and Unstable Conditions	J. M. Gonzalo
10:10 - 10:40 h.	Fracture Classification and Biomechanics	M. Farrell
10:40 - 11:00 h.	Coffee Break	
	Module 2. AOVET Principles	
11:00 - 11:30 h.	Principles of Bone Screw Function: Plate Screw, Position Screw, and Lag Screw	M. Farrell
11:30 - 12:00 h.	Principles and Clinical Application of Cerclage Wiring	M. Farrell
12:00 - 12:30 h.	Principles and Clinical Application of Tension Band Wiring	M. Farrell
12:30 - 13:00 h.	The surgical approach and soft tissue handling	M. A. Sánchez-Valverde
13:00 - 14:00 h.	Lunch	
14:00 - 16:00 h.	Practical Exercises: Lab 1 Introduction to instruments, neutral screw, compression screw, cerclage wire	M. Farrell J. M. Gonzalo F. San Román-Llorens
16:00 - 16:30 h.	Coffee Break	
16:00 - 16:55 h.	Principles and Clinical Application of Dynamic Compression Plate (DCP), Limited Contact-Dynamic Compression Plate (LC-DCP) and Locking Compression Plate (LCP)	A. Vezzoni
16:55 - 17:20 h.	Principles and Clinical Application of Neutralization Plate Stabilization	J. Rodríguez
17:20 - 17:45 h.	Principles and Clinical Application of Intramedullary Fixation	J. de la Fuente
17:45 - 18:10 h.	Principles and Clinical Application of Buttress/ Bridge Plate and Plate/Rod Stabilization	A. Vezzoni
18:10 - 18:40 h.	Principles of Joint Fracture Treatment	M. A. Sánchez-Valverde
19:00 h.	Sum-up of the day	

Wednesday 17 June 2015

Practical Exercises: Lab 2 Femoral oblique fracture fixed with IM pin and cerclage wires. Humeral lateral condyle fracture fixed with compression screw and pin. Transverse radial fracture fixed with compression plate.	M. A. Sánchez-Valverde A. Vezzoni M. García
Fracture reduction techniques	A. Vezzoni
Coffee Break	
Module 3. Treatment of diaphyseal fractures	
Humeral fractures	U. Matis
Radius-ulna fractures	R. Köstlin
Fireside discussion	
Lunch	
Practical Exercises: Lab 3 Butterfly tibial fracture fixed with neutralization plate Comminuted femoral fracture fixed with plate and rod Iliac fracture fixed with plate	U. Matis R. Köstlin F. San Román-Llorens
Coffee Break	
Femoral fractures	U. Matis
Tibia fractures	J. Altonaga
Fireside discussion	
Sum-up of the day	
	Femoral oblique fracture fixed with IM pin and cerclage wires. Humeral lateral condyle fracture fixed with compression screw and pin. Transverse radial fracture fixed with compression plate. Fracture reduction techniques Coffee Break Module 3. Treatment of diaphyseal fractures Humeral fractures Radius-ulna fractures Fireside discussion Lunch Practical Exercises: Lab 3 Butterfly tibial fracture fixed with neutralization plate Comminuted femoral fracture fixed with plate and rod lliac fracture fixed with plate Coffee Break Femoral fractures Tibia fractures Fireside discussion

Thursday 18 June 2015

08:30 - 09:00 h.	Pelvic fractures	U. Matis
09:00 - 09:30 h.	Fractures in growing animals	R. Köstlin
	Modulo 4. Complications	
09:30 - 10:00 h.	Radiographic Assessment of Fracture Healing	M. Farrell
10:00 - 10:30 h.	Delayed Union and Nonunion	F. San Román Ascaso
10:40 - 11:00 h.	Coffee Break	
11:00 - 11:40 h.	Diagnosis and treatment of osteomyelitis	A. Vezzoni
11:40 - 12:10 h.	Open fractures	J. Rodríguez
12:10 - 12:30 h.	Post-operative management	J. de la Fuente
12:30 - 13:00 h.	Implant Removal	U. Matis
13:00 - 14:00 h.	Lunch	
14:00 - 15:00 h.	Practical Exercises: Lab 4 "Fracture game" Oblique humeral fracture	J. de la Fuente J. Rodríguez J. Altonaga
15:00 - 15:30 h.	Instrumentation and implants to get started	A. Vezzoni
15:00 - 16:00 h.	Fireside discussion	
16:00 - 16:30 h.	Coffee Break	
16:30 - 17:30 h.	Sum-up of the Course What did we learned? Participation Certificates and End of the Course	A. Vezzoni U. Matis R. Köstlin M. Farrell

Course organization

AO Foundation AOVET

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Course logistics

Industrial Partner

DePuySynthes Paseo Doce Estrellas, 5-7 28042 Madrid, Spain Phone +34 917 226 643 Email egutie10@its.jnj.com www.depuysynthes.com

Course information

Course fee

AOVET Course—Principles in Small Animal Fracture Treatment

Course registration fee: 650 Euros.

Account Number: ES17 0075 0953 6006 0124 5244 Banco Popular Español.

Accreditation

AOVET Course accreditation varies from country to country.

Evaluation guidelines

All AOVET courses apply the same evaluation process, either ARS (audience response system) or paper and pencil questionnaires. This will help AOVET to ensure that we continue to meet your training needs.

Intellectual property

Course materials, presentations, and case studies are the intellectual property of the course faculty. All rights are reserved. Check hazards and legal restrictions on www.aotrauma.org/legal.

Recording, photographing, or copying of lectures, practical

exercises, case discussions, or any course materials is absolutely forbidden.

Security

Security check at the entrance of the building. Wearing of a name tag is compulsory during lectures, workshops, and group discussions.

No insurance

The course organization does not take out insurance to cover any individual against accidents, thefts or other risks.

Mobile phone use

Mobile phone use is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Dress code

Casual.

Further information

Number of participants: 24.

Course venue

Venue:

Universidad de León Facultad de Veterinaria Campus de Vegazana 24071 León

Hotel:

Hotel AC León San Antonio C/ Velázquez, 10 24005 León.

Notas

AO Foundation