AOVET Course – Advances in Equine Fracture Management
March 24–27, 2015, Hong Kong SAR, China
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

Fracture reduction and/or alignment to restore normal anatomical relationships

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 Davos 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.

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 Auer  
Chairperson AOVET

Rico Vannini  
Chair AOVET Education Commission

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Goal of the course

The AOVET Advanced Techniques in Equine Fracture Management Course emphasizes current and state-of-the-art concepts in the treatment and management of fractures in large animals.

Target participants

Participants must have a good working knowledge of aseptic surgery as familiarity with basic surgical instrumentation and their use will be assumed. Comprehension of basic fracture management procedures, such as lag screw technique and application principles of DCPs are prerequisites. Those participants actively involved in fracture management procedures profit the most from this course, especially in problem-oriented discussions. As this Course builds on the procedures discussed and practiced during the Basic Principles of Fracture Management in Horses, it is expected that the participants of the present Course have successfully participated in the Basic Course. It is advisable to review the distant learning materials sent out for the Basic Principles of Fracture Management in Horses Course before coming to Hong Kong.

Course objectives

After this course, the participants will be able to

- demonstrate deepened knowledge in equine fracture management
- discuss latest developments in fracture care for veterinarians
- apply the new fixation concepts—techniques and implants (locking compression plates) in horses
- integrate arthrodesis techniques into their daily practice
- describe the principles of the internal fixator and their application in the horse

Course description

Course participants will increase their proficiency and learn more about new developments in equine orthopedic surgery.

Well-known experts in equine orthopedics and traumatology will share their experience in fracture treatment through lectures, discussions, and hands-on laboratory sessions.

The participants of the Advanced Techniques in Equine Fracture Management Course will be informed on:

- the diagnosis and management of physeal and metaphyseal fractures,
- the use of interlocking nails in upper long bone fracture treatment,
- the management of open fractures,
- the benefit and feasibility of arthrodeses of selected joints, the use of computer assisted surgery,
- discussion on the "do's and don't's" in the surgery suite, and
- competitions and drawing for valuable prizes

Group case discussion and hands-on practical exercises will deepen the learning experience.
Chairpersons

**Jörg Auer, Prof. Dr. h.c. ACVS/ECVS**
AOVET / AO Foundation
Equine Department
Vetsuisse Faculty University Zurich
Winterthurerstrasse 260
8057 Zurich, Switzerland

**Christopher Riggs, BVSc, PhD, DEO, ECVS, MRCVS**
The Hong Kong Jockey Club
Equine Hospital
Sha Tin Racecourse
New Territories, Hong Kong, SAR, China

Faculty

**Alan Nixon Prof. DVM ACVS**
Cornell University
Department of Clinical Sciences, College of Veterinary Medicine
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New York
USA

**Dean Richardson Prof. DVM ACVS**
University of Pennsylvania New Bolton Center
Charles W. River Professor of Surgery, Chief of Large Animal Surgery
382 West Street Road
19348 Kennett Square
Pennsylvania
USA

**Alan Ruggles DVM ACVS**
Rood and Riddle Equine Hospital
P.O.Box 12070
40580 Lexington
Kentucky
USA
## Tuesday, March 24, 2015

<table>
<thead>
<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
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<tbody>
<tr>
<td>07:30-08:30</td>
<td>Registration</td>
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<tr>
<td>08:30-08:40</td>
<td>Welcome, introduction of the faculty</td>
<td>C. Riggs</td>
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<tr>
<td>08:40-09:10</td>
<td>Special implants: DCS / DHS, and LC-DCP</td>
<td>J. Auer</td>
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</tbody>
</table>
| **09:10-10:00** | **Practical exercise 1:**  
• Unknown fracture                                                   | J. Auer |
| 10:15-10:45| COFFEE BREAK                                                                |         |
| 10:30-11:00| Treatment principles of long bone fractures                                 | A Ruggles|
| 11:00-11:30| Diagnosis and treatment of complicated ulna fractures                       | A Ruggles|
| 11:30-12:30| **Practical exercise 2:**  
• Fixation of a type II ulna fracture                                    | J. Auer |
| 12:30-13:30| LUNCH BREAK                                                                 |         |
| 13:30-14:00| The use of arthroscopy in intraarticular carpal fractures                   | A. Nixon|
| 14:00-14:30| Diagnosis and treatment of multifragmentary proximal phalanx fractures        | D. Richardson|
| 14:30-15:00| Application of LCP’s                                                        | J. Auer |
| 15:00-15:30| Reduction of long bone fractures                                            | J. Auer |
| 15:30-16:00| COFFEE BREAK                                                                |         |
| **16:00-16:45** | **Practical exercise 3:**  
• Lag screw fixation of a multifragmentary proximal phalanx fracture | J. Auer |
<p>| 16:45-17:15| Treatment of McIII / MtlIII fractures                                       | A Nixon |
| 17:15-17:45| Corrective osteotomies                                                      | J. Auer |
| 17:45-18:45| Case discussion I                                                           | Faculty |
| 18:45-19:00| DISCUSSION OF THE DAY                                                       |         |</p>
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</table>
| 08:00–08:45  | **Practical exercise 4:**  
• Treatment of a mid-shaft McIII fracture                  | J. Auer      |
| 08:45–09:05  | Treatment of radial and tibial fractures                                    | A. Ruggles   |
| 09:05–09:25  | Treatment of humeral and femoral fractures                                  | A. Nixon     |
| 09:25–09:45  | Use of Intramedullary, Interlocking Nail Fixation                           | J. Auer / J. Watkins |
| 09:45–10:15  | COFFEE BREAK                                                               |              |
| 10:15–12:00  | **Practical exercise 5:**  
• Treatment of a generic bone fracture with a lag screw and a 4.5/5 mm LCP |
|              | **Practical exercise 6:**  
• Treatment of a mid diaphyseal 3 fragment McIII fracture with a 10&11 hole broad | J. Auer      |
| 12:00–13:00  | LUNCH BREAK                                                                |              |
| 13:00–15:15  | **Practical exercise 7:**  
• Fixation of a radius fracture using a 5.5 mm LCP and a DCS                | J. Auer      |
|              | **Practical exercise 8:**  
• Corrective osteotomy of the third metacarpal bone McIII                     |              |
| 15:15–15:45  | COFFEE BREAK                                                               |              |
| 15:45–16:05  | Indications and surgical technique of arthrodesis of the metacarpophalangeal joint | D. Richardson |
| 16:05–16:25  | Intraoperative use of (direct) radiography and fluoroscopy during fracture fixation | A. Ruggles   |
| 16:25–16:45  | The use of arthroscopy in intraarticular fractures involving the metacarpophalangeal joint | A. Nixon     |
| 16:45–17:15  | Case discussion II                                                          | Faculty      |
| 18:30–19:00  | Visit to the Hong Kong Jockey Club - Sha Tin Racecourse                    |              |
| 19:00        | Races and Dinner at Hong Kong Jockey Club                                   |              |
Thursday, March 26, 2015

<table>
<thead>
<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
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<tbody>
<tr>
<td>08:00–08:30</td>
<td>Treatment of fissure fracture of the radius and tibia</td>
<td>J. Auer</td>
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<tr>
<td>08:30–09:30</td>
<td>Management of complicated middle phalanx fractures</td>
<td>D. Richardson</td>
</tr>
<tr>
<td>09:30–10:00</td>
<td>COFFEE BREAK</td>
<td></td>
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<tr>
<td>10:00–12:30</td>
<td>Practical exercise 9:</td>
<td>J. Auer</td>
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<tr>
<td></td>
<td>• Arthrodesis of the metacarpophalangeal joint with an 5.5 LCP</td>
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<td></td>
<td>Practical exercise 10:</td>
<td></td>
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<tr>
<td></td>
<td>• Arthrodesis of the distal interphalangeal joint with 2 pastern arthrodesis plates</td>
<td></td>
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<tr>
<td>12:30–13:30</td>
<td>LUNCH BREAK</td>
<td></td>
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<tr>
<td>13:30–15:30</td>
<td>Free exercises 11:</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>• (repetition of Practical exercise 7) Fixation of a radius fracture using a 5.5 mm LCP and a DCS</td>
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<tr>
<td>15:30–16:00</td>
<td>COFFEE BREAK</td>
<td></td>
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<tr>
<td>16:00–16:30</td>
<td>Management of patella fractures</td>
<td>D. Richardson</td>
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<tr>
<td>16:00–18:45</td>
<td>Case Discussion III</td>
<td>Faculty</td>
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<tr>
<td>18:45–19:00</td>
<td>DISCUSSION OF THE DAY</td>
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Friday, March 27, 2015

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<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
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</thead>
<tbody>
<tr>
<td>08.00–08.30</td>
<td>Arthrodesis techniques in other locations</td>
<td>A. Nixon</td>
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<tr>
<td></td>
<td>(distal interphalangeal joint; tarsus, shoulder)</td>
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<tr>
<td>08.30–09.00</td>
<td>Incidence and management of physeal fractures</td>
<td>A Ruggles</td>
</tr>
<tr>
<td>09:00–09.30</td>
<td>Treatment principles of open fractures</td>
<td>C. Riggs</td>
</tr>
<tr>
<td>09:30–10:00</td>
<td>Implant removal: when and why</td>
<td>A Ruggles</td>
</tr>
<tr>
<td>10:00–10:30</td>
<td>COFFEE BREAK</td>
<td></td>
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<tr>
<td>10:30–11:00</td>
<td>Computer assisted surgery (CAS)</td>
<td>J. Auer</td>
</tr>
<tr>
<td>11:00–11:30</td>
<td>Technical failures in fracture treatment with plates</td>
<td>A. Ruggles</td>
</tr>
<tr>
<td>11:30–12:00</td>
<td>Final Course discussion Presentation of the diplomas</td>
<td>C. Riggs  / J. Auer</td>
</tr>
<tr>
<td>12:00</td>
<td>End of the course</td>
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</table>
Course venue
City University of Hong Kong
Lecture: Room 8220, 8/F, Academic 3,
Practical Exercise: Room 8230, 8/F, Academic 3
Tat Chee Avenue, Kowloon, Hong Kong SAR

Course organization

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Course information

Course fee
AOVET Course Fee for – Principles in Equine Fracture Management, US$ 1,500.–
Included in course fee are conference bag with documentation, coffee breaks, cocktail reception, course certificate.

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.aofoundation.org/legal.

Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is absolutely forbidden. Participants violating intellectual property will be dismissed.

The AO Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for AO marketing and other purposes, and made available to the public.

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
Upcoming courses

16.04.2015  |  19.04.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Columbus  |  USA
16.04.2015  |  19.04.2015  |  AOVET Course—Advances in Small Animal Fracture Management  |  Columbus  |  USA
16.04.2015  |  19.04.2015  |  AOVET Course—Advances in Equine Fracture Management  |  Columbus  |  USA
17.05.2015  |  18.05.2015  |  AOVET Course—Masters in Small Animal / TPLO  |  Bristol  |  UK
25.05.2015  |  27.05.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Brno  |  Czech Repl
28.05.2015  |  30.05.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Kobe  |  Japan
01.06.2015  |  04.06.2015  |  AOVET Course—Advances in Small Animal Fracture Management  |  Shanghai  |  China
04.06.2015  |  05.06.2015  |  AOVET Course—Master in Foal Fracture Management  |  Zürich  |  Switzerland
05.06.2015  |  07.06.2015  |  AOVET Course—Masters in Small Animal CranioMaxilloFacial Trauma and Reconstruction  |  Las Vegas  |  USA
12.06.2015  |  13.06.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Norderstedt  |  Germany
16.06.2015  |  19.06.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Leon  |  Spain
10.07.2015  |  12.07.2015  |  AOVET Course—Advances in Small Animal Fracture Management  |  Taipei  |  Taiwan
24.09.2015  |  27.09.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  La Jolla  |  USA
24.09.2015  |  27.09.2015  |  AOVET Course—Advances in Small Animal Fracture Management  |  La Jolla  |  USA
02.10.2015  |  02.10.2015  |  AOVET TPLO Workshop  |  Sidney  |  Australia
09.10.2015  |  11.10.2015  |  AOVET Course - Technicians  |  Leeds  |  UK
22.10.2015  |  22.10.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Nashville  |  USA
28.10.2015  |  31.10.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Ribeirão Preto  |  Brazil
02.11.2015  |  05.11.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Cape Town  |  South Africa
25.11.2015  |  28.11.2015  |  AOVET Course—Principles in Small Animal Fracture Management  |  Seoul  |  Korea
13.12.2015  |  17.12.2015  |  AOVET Course—Advances in Equine Fracture Management  |  Davos  |  Switzerland

This list is subject to change. An updated list of all worldwide AOVET courses is available on www.aovet.org.

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