

Final programme



3rd World Veterinary Orthopaedic Congress, ESVOT-VOS
15th ESVOT Congress

Bologna (Italy) - September 15th - 18th, 2010



Board 2008-2010 of the European Society of Veterinary Orthopaedics and Traumatology

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Welcome to the WVOC 2010 by the ESVOT President



Dear friends of the WVOC,

In many ways it is hard to believe another 4 years has passed since the last WORLD VETERINARY ORTHOPAEDIC CONGRESS in Keystone Colorado (USA). This World Meeting is traditionally supported by two sister Societies ESVOT (European Society for Veterinary Orthopaedics and Traumatology) and VOS (Veterinary Orthopaedic Society). And it is with genuine pleasure that in their names, I welcome you from September 15th-18th, 2010 to the 3rd WVOC in Bologna (Italy).

There is no doubt that 2009 and the first months of 2010 have been on all our minds at least for economic and financial reasons. One way to reduce financial discomfort for veterinarians is to provide them with education in a reduced number of meetings without a diminution in quality. That is one of the reasons why James L. Cook for VOS and myself for ESVOT have signed two agreements in February 2009. One is to continue to support the organisation every 4 years of a WVOC, alternating between North America and Europe, the other is to promote exchange of information at different levels between these Societies.

The WVOC will commence with wet labs for large and small animal veterinarians organised at the Faculty of Veterinary Medicine of the University of Bologna. As an example three courses are organised for the equine colleagues (stemcell and PRP lab, MRI reading lab and a lameness locator lab).

After dry labs and specific in depth seminars, such as in bovine orthopaedics, at the Congress Centre, the meeting will start and cover emerging discoveries in orthopaedics and traumatology as well as innovative diagnostics and therapies. Many fine papers will be presented by the leading experts in the respected fields. The small animal program will focus on "old favourites" such as the stifle, elbow, patellar luxation and hip trauma while "newer" topics include revisions, distal limb trauma, legislation & clinical research and tools to measure clinical success. For equine colleagues, In-depth sessions on advanced imaging, critical review of biologic therapeutics, new technologies in lameness diagnosis, subchondral bone injury and joint rehabilitation are organised.

This year's program also continues the successful format of providing you with the best State of the Art lectures with information all participants will benefit from. This year's topics will be Tissue engineering with mesenchymal stem cells in human orthopaedics - What do we know today? The fate of the post-traumatic knee and Cartilage resurfacing with ACI and MACI: have they stood the test of time?

This program is full of education opportunities. A Welcome Reception will be held in the oldest University of Europe located in the centre of Bologna. You can also attend a wine and cheese party during the poster session and the Congress banquet on Saturday at the Palazzo de Rossi.

Finally, everyone working with the WVOC would like to make sincere thanks to all of our sponsors and exhibitors. Without them, and of course without you, this wonderful event would not happen. It would also not happen if from the beginning John Houlton, Chairman of the 3rd WVOC Committee, and his Scientific Committee composed of John Innes and Michael Schramme for ESVOT, Allison Stewart and Liz Pluhar for VOS, and Bernadette van Ryssen for the arthroscopic group were not dedicated to offer you the best ever program in veterinary orthopaedics for bovine, equine and companion animals. Special thanks must also go to Aldo Vezzoni, Local Organising Secretary, for making the link between ESVOT and SCIVAC and for liaising with the Congress Organising Office.

As your host, it is an honour to welcome you in Bologna.

Prof. Olivier M. Lepage
President of ESVOT

Alma Mater Studiorum - Università di Bologna - Facoltà di Medicina Veterinaria

Dean: Santino Prosperi

<http://www.esvot>

<http://www.orthovetsupersite.org>

<http://www.wvoc2010.eu>



Tuesday, September 14th, 2010 - 5.00 pm



OPENING TIME FOR REGISTRATION

Pre-congress: Wednesday, September 15th, 2010 - At the

University of Bologna, Faculty of Veterinary Medicine

From 7.30 am to 8.00 am BUSES FROM THE CONGRESS CENTER TO THE UNIVERSITY

| Lab/Time | SMALL ANIMAL Arthrodesis wetlab  Min 12 - Max 20 seats | EQUINE Stemcell and PRP Lab  Min 8 - Max 16 seats |
|----------|---|---|
| 9:00 am | Chair: A. Piras Faculty: D. Griffon, B. Peirone, A. Piras, R. Vannini General indications and basic general principles of arthrodesis Bone grafting techniques - autograft, allograft and DBM Carpal arthrodesis - panarthrodesis vs partial arthrodesis Partial carpal arthrodesis - surgical techniques Pancarpal arthrodesis - surgical techniques | Lecture 1 - Principles of treatment of tendinopathies (R. Smith) Lecture 2 - Regenerative medicine for tendon injuries (R. Smith) |
| 11:10 am | Coffee break | |
| 11:30 am | Practical 1 - Partial (T-plate) and pancarpal arthrodesis (3.5/2.7 mm hybrid plate) and use of DBM | Lecture 3 - Technique for bone marrow aspiration (R. Smith) Lecture 4 - Sampling handling and delivery (R. Smith) Lecture 5 - Stem cell implantation technique (R. Smith) Lecture 6 - Post implantation rehabilitation (R. Smith) Alternative biological therapies (R. Smith) |
| 1:00 pm | Lunch break | |
| 2:00 pm | Partial tarsal arthrodesis - indications and surgical techniques Pantarsal arthrodesis - dorsal & medial plating: indications and surgical techniques Complications | Group A: Live horse demonstration (S. Dakin) Group B: Injection practical (R. Smith) |
| 3:30 pm | Coffee break | |
| 3:50 pm | Practical 2 - Calcaneouquartal arthrodesis and pantarsal arthrodesis (dorsal and medial plating) | Group A: Injection practical (R. Smith) Group B: Live horse demonstration (S. Dakin) Final discussion |
| 6:00 pm | End of the Course | |

| Lab/Time | EQUINE MRI Reading Lab  Min 10 - Max 30 seats | EQUINE Lameness Locator™ Lab  Min 8 - Max 18 seats |
|----------|---|--|
| 9:00 am | Lecture 1 - Principles of MRI: technique and artefacts (N. Bolas) Lecture 2 - MRI of the foot Part 1 (S. Powell) Lecture 3 - MRI of the foot Part 2 (M. Martinelli) | Equine Gait Analysis (K. Keegan) Introduction to Lameness Locator™ (K. Keegan) |
| 11:10 am | Coffee break | |
| 11:30 am | Practical exercise: Image Reading MRI of the foot (S. Powell, C. Judy, N. Bolas, T. Schulze, M. Martinelli) | Lameness Locator™ (K. Keegan, M. Schramme, A. Spadari) |
| 1:00 pm | Lunch break | |
| 2:00 pm | Lecture 4 - MRI of the pastern, fetlock and metacarpal/metatarsal regions (C. Judy) Practical exercise: Image reporting (S. Powell, C. Judy, N. Bolas, T. Schulze, M. Schramme, M. Martinelli) | End of the Course At 2:00 pm Bus from the University to the Congress Center |
| 3:30 pm | Coffee break | |
| 3:50 pm | Practical exercise: Case discussion (S. Powell, C. Judy, N. Bolas, T. Schulze, M. Schramme, M. Martinelli) | |
| 6:00 pm | End of the Course | |

From 6:00 pm BUSES FROM THE UNIVERSITY TO THE CONGRESS CENTER

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 IN-DEPTH

 FREE COMMUNICATION

Pre-Congress: Wednesday, September

15th, 2010 - At the Congress Center

| Room/ Time | Europa SIVE SATELLITE SYMPOSIUM   Present and future in the diagnosis and treatment of equine joint diseases: Meeting with Wayne McIlwraith | Celeste OSTEOARTHRITIS SEMINAR  | Italia FIXIN SEMINAR  |
|---------------|---|---|---|
| 9:00 am | Chair: G. Ricardi 9:15 Advances in diagnosis of equine joint disease | Chair: J. Innes Disease staging 9:00 Owner questionnaires - where are we? (<i>J. Innes, USA</i>) 9:40 Force and pressure platforms (<i>M. Conzemius</i>) 10:20 Activity Monitors (<i>D. Lascelles</i>) | Chair: M. Petazzoni 9:00 Mechanics: Recent novelties and improvements (<i>A. Urizzi</i>) 9:40 Fractures in Dogs, Thoracic limb (<i>A. Ferretti</i>) 10:00 Fractures of the pelvic limb (<i>S. Lozier</i>) 10:20 Fracture repair in cats with implants for angular stability fixin (<i>B. Verdonck</i>) 10:40 Discussion |
| 11:00 am | Coffee break and exhibition | | |
| 11:30 am | 11:15 Identification of new targets for joint therapy and their relationship to treatment 12:15 New concepts in the treatment of subchondral bone cysts of the stifle and management of other traumatic lesions of the stifle | Imaging OA 11:30 MRI of cartilage: overview in human and veterinary imaging (<i>C. Cook</i>) 12:00 Quantitative MRI of canine elbow joints (<i>J. Innes</i>) 12:30 dGEMRIC of canine cartilage (<i>M. Conzemius</i>) | 11:30 Concept of minimally invasive fracture stabilization (<i>D. Hulse</i>) 11:50 New Products (<i>M. Petazzoni</i>) 12:20 Sliding Humeral Osteotomy, my experience with Fixin (<i>B. Verdonck</i>) 12:40 Discussion |
| 1:00 pm | Lunch break and exhibition | | |
| 2:00 pm | 2:30 Current treatments (conventional and biological) for equine joint disease | Biomarkers and clinical trials 2:00 Serum biomarkers (<i>K. Hayashi</i>) 2:30 Gene microarray biomarkers for OA (<i>J. Cook</i>) 3:00 Metabolomics and osteoarthritis (<i>P. Clegg</i>) 3:30 Clinical trial design, statistical issues and sample size estimates (<i>F. Brock</i>) | 2:00 TPLO using the FIXIN plate (<i>B. Beale</i>) 2:20 CrCL repair technique (TTO) (<i>R. Properzi</i>) 2:40 cTTA (circular Tibial Tuberosity Advancement) (<i>M. Petazzoni</i>) 3:00 TPLO in small dogs (<i>A. Vezzoni</i>) 3:20 DPO and bilateral DPO (<i>A. Vezzoni</i>) 3:40 Discussion |
| 4:00 pm | Coffee break and exhibition | | |
| 4:30 pm | 4:30 Equioxx® pain management symposium with the participation of Wayne McIlwraith by Merial/Equality At the end Merial will be pleased to offer a cocktail to the delegates of the Symposium | Disease management 4:30 Alternative (adjunctive) analgesics for canine OA: evidence based approach (<i>D. Lascelles</i>) 5:00 Stem cells – fact or fiction (<i>M. Conzemius</i>) 5:30 Discussion | 4:30 Non-Union Mal-Union (<i>U. Reif</i>) 4:50 Implant removal (<i>U. Reif</i>) 5:10 Corrective Osteotomies (<i>M. Petazzoni</i>) 5:30 Discussion |
| 6:00 pm | Adjourn | | |

| Indaco SPORTS MEDICINE SEMINAR  | Magenta TTA DRYLAB  | Gialla SA HYBRID EXTERNAL FIXATION DRYLAB  | Verde TTO DRYLAB  |
|---|--|--|---|
| Chair: J. Houlton 9:00 Injuries in working sheep-dogs (<i>S. Butterworth</i>) 9:30 Injuries in working dogs in the southern hemisphere (<i>R. Eaton-Wells</i>) 10:00 Gundog injuries (<i>J. Houlton</i>) 10:30 Carpal injuries - can we extrapolate greyhound information? (<i>K. Johnson</i>) | Chair: S. Tepic Biomechanics of TTA (<i>S. Tepic</i>) TTA Instruments & Implants (<i>S. Tepic</i>) Preoperative planning (<i>R. Boudrieau</i>) Surgical Technique (<i>A. Vezzoni</i>) | Chair: G. Rovesti Instruments for use in small animals Old and new concepts in linear (LEF) and circular external fixation (CEF) for fracture stabilization Use of the hybrid external fixation (HEF) for radius-ulna and tibia stabilization Use of HEF for humerus and femoral fracture | Chair: G. Robins Faculty: G. Robins, M. Owen, J. Lapiš Concept of TTO Decision making Pre-operative planning |
| Coffee break and exhibition | | | |
| 11:30 Cruciate injuries - are performance dogs different? (<i>E. Comerford</i>) 12:00 Shoulder injuries - is treatment a realistic option? (<i>J. Cook</i>) 12:30 Feeding for performance (<i>D. Morgan</i>) | Practical Exercise: planning Practical Exercise on Plastic Bones | Drylab: Preassembling of the frame and basic techniques for fracture reduction Drylab: Frame application to the radius-ulna and tibia | TTO Instrumentation TTO Step by Step Aftercare and outcomes |
| Lunch break and exhibition | | | |
| 2:00 Exercise associated collapse - metabolic causes (<i>M. Herrtage</i>) 2:45 Exercise induced collapse (EIC) in labrador retrievers (<i>L. Ferasin</i>) 3:15 Physiotherapy (<i>M. Conzemius</i>) | Video of TTA Surgery with commentary Results and complications (<i>A. Vezzoni</i>) | New hybrid configurations and new materials Destabilization and dynamization Drylab: Frame application to the humerus | Video presentation Practical exercise on plastic bones |
| Coffee break and exhibition | | | |
| 4:30 Management of various tendon/ligament injuries in working/sporting dogs (<i>J. Dee</i>) 5:10 Discussion | Clinical Experience, TTA vs. TPLO (<i>R. Boudrieau</i>) Patient selection for TTA (<i>A. Vezzoni</i>) Meniscal release Clinical Performance - Feedback and Financial Matters (<i>S. Tepic</i>) | Drylab; Frame application to the humerus Interactive evaluation of clinical cases Course debriefing 6:00 pm - End of the course | Complications Tips and tricks Discussion |
| Adjourn | | | |

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 IN-DEPTH

 FREE COMMUNICATION

Pre-Congress: Thursday,

September 16th, 2010 - Morning

| Room/ Time | Bianca EQUINE Interactive Advanced Equine Lameness and Imaging, Panel: Meeting with M. Martinelli (USA) | Indaco Seminar NEW STRATEGIES IN PAIN CONTROL | Italia Seminar SA ARTHROSCOPY WORKING GROUP |
|---------------|---|---|--|
| 9:00 am | Chair: M. Schramme 9:00 Interactive lameness cases 1-5 Presentation and interactive discussion of interesting lameness and imaging cases (<i>Dr. Mark Martinelli and panel</i>) | Chair: D. Lascelles 9:00 Long-acting and tissue targeting NSAIDs: a pharmacokinetic and pharmacodynamic view (<i>P. Lees</i>) 9:30 Dose reduction or dose maintenance for NSAIDs administered to dogs with DJD- associated pain? (<i>D. Lascelles</i>) 10:00 Long-term NSAID use for canine OA: is it more effective? (<i>J. Innes</i>) 10:30 NSAIDs for feline DJD: new developments (<i>D. Lascelles</i>) | Chair: B. Van Ryssen and J.F. Bardet 9:00 Welcome Medial compartment disease 9:10 Definition and occurrence of MCD (<i>B. Van Ryssen</i>) 9:20 Can we prevent MCD: personal experiences with ulnar and humeral osteotomy (<i>J.F. Bardet - C. Grubendorf</i>) 10:00 The role of arthroscopy in the treatment of cartilage erosions (<i>J. Cook</i>) 10:15 How would I treat MCD (<i>J. Cook , M. Olivieri - N. Fitzpatrick</i>) |
| 11:00 am | Coffee break and exhibition | | |
| 11:30 am | 11:30 Interactive lameness cases 6-10 Presentation and interactive discussion of interesting lameness and imaging cases (<i>Dr. Mark Martinelli and panel</i>) | 11:30 Neural ablation in control of pain (<i>R. Wiley</i>) 12:00 Forelimb blocks in orthopaedics: what is the evidence and what is new? (<i>L. Novello</i>) 12:30 Pros and cons of epidurals with local for orthopaedic surgery (<i>L. Novello</i>) | Clinical cases & studies 11:30 What went wrong? Diagnostic failures, bad outcome Special cases: diagnostic challenges, unusual findings <i>Yves Samoy (1 case report), Hannes Krieglleder (2 case reports), Massimo Olivieri (clinical study on shoulder OCD failure), José Real (2), Gian Luca Rovesti (2 case reports)</i> |
| 1:00 pm | Lunch break and exhibition | | |

| Rossa IEWG WORKSHOP  | Gialla LOCKING PLATES DRYLAB  | Verde SOP DRYLAB  |
|---|--|---|
| Chair: H. Hazewinkel 9:00 Welcome to the International Elbow Working Group (<i>H. Hazewinkel</i>) 9:10 Clinical and Radiological investigation of the dog with elbow lameness (<i>R. Palmer & M. Flückiger</i>) 9:30 Arthroscopic and surgical treatment of FCP/OCD (<i>R. Palmer</i>) | Chair: B. Peirone Mike Kowaleski (US), Alessandro Piras (Ir), Bruno Peirone (I) Introduction to LCP Pre-operative planning with LCP Clinical applications of LCP | Chair: M. Ness SOP - Design concept and rationale Range of application and clinical experiences Biomechanics, modes of failure. SOP-SOP 1:4 Intro to saw bones session |
| Coffee break and exhibition | | |
| 11:30 Treatment of elbow incongruity and UAP (<i>B. Beale</i>) 12:00 Radiological screening according to IEWG - new insights (<i>B. Tellhelm</i>) 12:30 Osteoarthritis treatment in dogs (<i>B. Peirone</i>) | Laboratory Tibia proximal long oblique fracture with envelope: fixation with 2 lag screws and a 3.5 LCP as a neutralization plate in MIPO fashion Humerus distal comminuted intra-articular fracture: fixation with trans-condylar lag screw and 2 LCPs as a bridging plate | Sawbones practical exercises SOP-TPLO - Design rationale and application |
| Lunch break and exhibition | | |

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 FREE COMMUNICATION

Congress: Thursday,

September 16th, 2010 - Afternoon

| Room/ Time | Gialla LA MAIN PROGRAM SUBCHONDRAL BONE INJURY | Italia SA MAIN PROGRAM | Magenta SA MAIN PROGRAM |
|---------------|--|--|--|
| 2:00 pm | Chair: C. Riggs 2:00 Subchondral bone necrosis in the human knee and hip joints (<i>B. Eyes</i>) 2:30 Palmar Osteochondral Disease (POD) in the fetlock: definition, pathophysiology and diagnosis (<i>C. Riggs</i>) 3:00 Palmar Osteochondral Disease (POD): epidemiology, prevention and treatment (<i>P. Clegg</i>) 3:30 MRI features of subchondral bone injury in the metacarpophalangeal and metatarsophalangeal joints in horses (<i>M. Schramme</i>) 4:00 Current standards of treatment for subchondral cyst-like lesions (<i>A. Nixon</i>) | SA COMPLICATIONS Chair: T. Turner 2:00 Multi-resistant bacteria: current status including management (<i>D. Lloyd</i>) 2:30 Implant-associated infections (<i>N. Ehrhart</i>) 3:00 Implant (surgeon???) failure (<i>R. Boudrieau</i>) 3:30 Nosocomial (surgical) infections (<i>D. Lloyd</i>) 4:00 Negligence claims: can you reduce them? (<i>J. Houlton</i>) | THE STIFLE 1 Chair: R. Vannini 2:00 Tibial epiphysiodesis: results (<i>A. Vezzoni</i>) 2:15 Triple Tibial Osteotomy (TTO): results (<i>G. Robins</i>) 2:30 Tightrope: results (<i>J. Cook</i>) 2:45 Tibial epiphysiodesis: complications (<i>A. Vezzoni</i>) 3:00 Complication of the TTO operation (<i>G. Robins</i>) 3:15 Tightrope: complications (<i>J. Cook</i>) 3:35 Biomechanics of osteotomies and meniscal surgery (<i>A. Pozzi</i>) 3:55 Managing cruciate disease - Where are we now? (<i>R. Boudrieau</i>) 4:15 Discussion |
| | 4:30 pm Coffee break and exhibition | | |
| | 5:00 pm Opening Ceremony - Room Europa | | |
| | 5:30 pm STATE OF THE ART LECTURE - ROOM EUROPA Stem cell therapy for tissue repair: the stem cell-host interaction (<i>Professor Frank Barry</i>) Chair: O. Lepage | | |
| | 6:30 pm Adjourn | | |

| Rossa IEWG WORKSHOP | Bianca IN-DEPTH SEMINARS | Indaco IN-DEPTH SEMINARS |
|--|--|---|
| cont. Free communications: 2:00 Evaluation of incongruities in the canine elbow with FCP by a standardised X ray method in dogs (<i>I. Pfeil</i>) 2:30 Compartmental Bone Induction Stimulus (COBIS) for early treatment of Osteochondral disease (Coronoid disease, OCD) (<i>P. Kramers</i>) 3:00 Film reading session: training how to score according to IEWG [simultaneous translation in Italian] (<i>M. Flückiger, E. Auriemma</i>) 3:30 Results of screening programmes in relevant breeds (<i>B. Tellhelm</i>) 4:00 Closing remarks | IN-DEPTH SEMINAR ON CHALLENGING FRACTURES Chair: R. Palmer 2:00 Challenging acetabular (and pelvic) fractures (<i>R. Boudrieau</i>) 2:30 Challenging elbow fractures (<i>N. Fitzpatrick</i>) 3:00 Challenging juxta-articular fractures (<i>A. Piras</i>) 3:30 Challenging polytrauma cases (<i>R. Palmer</i>) 4:00 Challenging feline fractures including the patella (<i>S. Langely-Hobbs</i>) | IN-DEPTH SEMINAR ON LIMB DEFORMITIES Chair: J. Tomlinson 2:00 CORA method of planning corrective osteotomies as applied to veterinary orthopaedics (<i>D. Fox</i>) 2:40 Normal bone angles and malalignment (<i>J. Tomlinson</i>) 3:20 Oblique plane closing wedge osteotomy of the radius and ulna (<i>D. Fox</i>) 4:00 Rear limb deformities (<i>J. Tomlinson</i>) |
| 4:30 pm Coffee break and exhibition | | |
| 5:00 pm Opening Ceremony - Room Europa | | |
| 5:30 pm STATE OF THE ART LECTURE - ROOM EUROPA Stem cell therapy for tissue repair: the stem cell-host interaction (<i>Professor Frank Barry</i>) Chair: O. Lepage | | |
| 6:30 pm Adjourn | | |

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 FREE COMMUNICATION

Congress: Friday,

September 17th, 2010 - Morning

| Room/ Time | Europa SCIVAC/SIOVET SATELLITE SYMPOSIUM New trends in canine and feline orthopaedics | Gialla LA MAIN PROGRAM ADVANCED IMAGING | Italia SA MAIN PROGRAM FACIAL TRAUMA |
|---------------|---|--|---|
| 9:00 am | <p>Chair: M. Petazzoni</p> <p>9:00 Elbow dysplasia - what are the new surgical options and are they successful? (B. Beale)</p> <p>9:30 Partial tears of the cranial cruciate ligament - is it really that controversial? (B. Beale)</p> <p>10:00 How to improve meniscal visualization (A. Pozzi)</p> <p>10:30 Pearls and pitfalls of tibial osteotomy techniques (A. Pozzi)</p> | <p>Chair: M. Schramme</p> <p>9:00 Pre purchase MRI of professional football players - what have we learnt? (B. Eyes)</p> <p>9:30 Prepurchase MRI of horses - definition and clinical implications (T. Schulze)</p> <p>10:00 Contrast enhanced MRI in the horse (C. Judy)</p> <p>10:30 Low field MRI aspects of palmar/plantar metacarpal/metatarsal pain syndrome (S. Powell)</p> | <p>Chair: N. Ehrhart</p> <p>9:00 Imaging facial trauma (A. Brühshwein)</p> <p>9:30 Mandibular and maxillofacial fracture repair (R. Boudrieau)</p> <p>10:00 Skull fractures (T. Turner)</p> <p>10:30 Treatment of large mandibular defects (R. Boudrieau)</p> |
| 11:00 am | Coffee break and exhibition | | |
| 11:30 am | <p>Chair: M. Petazzoni</p> <p>11:30 How to succeed in repairing medial patellar luxations in small dogs and cats (B. Beale)</p> <p>12:00 Managing MPL and CCL rupture in small and large breed dogs (A. Pozzi)</p> <p>12:30 Pearls and pitfalls of extracapsular techniques (A. Pozzi)</p> | <p>ADVANCED IMAGING CONT.</p> <p>11:30 MRI of the equine stifle in a clinical setting (C. Judy)</p> <p>12:00 MRI case presentations and round table (B. Eyes, S. Powell, M. Schramme, T. Schulze and C. Judy)</p> | <p>ELBOW</p> <p>Chair: J. Cook</p> <p>11:30 Correlation of the biceps/brachialis complex and microfracture/fragmentation of the medial coronoid (D. Hulse)</p> <p>11:50 Sliding Humeral Osteotomy: current status and complications (N. Fitzpatrick)</p> <p>12:20 Fragment removal: what's the evidence? (B. van Ryssen)</p> <p>12:40 Scoring canine Elbow Dysplasia (ED) update recommendations of the International Elbow Working Group (IEWG) (M. Flückiger)</p> |
| 1:00 pm | Lunch break and exhibition | | |

| Magenta SA MAIN PROGRAM HIP TRAUMA | Bianca IN-DEPTH SEMINARS | Verde LA FREE COMM ON FRACTURES | Rossa SA FREE COMM |
|--|--|--|---|
| <p>Chair: J. Innes</p> <p>9:00 Fractures of the femoral head and neck (U. Matis)</p> <p>9:30 Acetabular fractures (L. Pluhar)</p> <p>10:00 Traumatic hip luxation in cats (U. Matis)</p> <p>10:30 Traumatic hip luxation in dogs (R. Whitelock)</p> | <p>IN-DEPTH SEMINAR ON JUVENILE HD</p> <p>Chair: T. Dueland</p> <p>9:00 Early diagnosis of CHD and case selection (A. Vezzoni)</p> <p>9:25 CHD treated by JPS: median 7.6 year results (T. Dueland)</p> <p>9:50 Double Pelvic Osteotomy: mechanisms of action (D. Fox)</p> <p>10:15 DPO: clinical results (A. Vezzoni)</p> <p>10:40 Mechanical comparison of locked and non-locked plate fixation applied to rotational osteotomies in cadaveric canine ilia (R. Palmer)</p> | <p>Chair: W. Back</p> <p>9:00 Multiple Rib Fracture Repair in a Standardbred Foal (R. Rinnovati)</p> <p>9:20 Clinical Management of Fractured Tibia in a Bull with the Use of Interlocking Nail without Reaming (R. Pandey)</p> <p>9:40 Evaluation of Biomarkers of Bone Formation and Serum Minerals Variations for Prediction of Fracture Healing Versus Non-Union Process in Sheep as a Model for Orthopedic Research (I. Dias)</p> <p>9:50 Development of First Phalanx Osseous Cyst-Like Lesion after Fracture Repair: Two Cases (F. Beccati)</p> <p>10:20 Use of Hydroxyapatite Pin Coating for the Prevention of Transfixation Pin Loosening in Horses (T. Lescun)</p> <p>10:40 Evaluation of the Antibacterial Effect of Platelet Concentrates and other Equine Blood Components against Methicillin Resistant Staphylococcus Aureus (J.U. Carmona)</p> | <p>Chair: J. Houlton</p> <p>9:00 Clinical and biomechanical evaluations after radial shockwave therapy in 8 dogs presenting a severe hip osteoarthritis (S-G. Sawaya)</p> <p>9:15 Effect of extracorporeal shock wave therapy on elbow osteoarthritis in dogs (D. Millis)</p> <p>9:30 Kinematic analysis of stair and decline slope walking of the pelvic limb in healthy dogs (D. Millis)</p> <p>9:45 Novel modular limb salvage endoprosthesis for treatment of primary appendicular tumors in dogs: short term outcome (N. Fitzpatrick)</p> <p>10:00 Constrained Total Knee Replacement, a novel prosthesis for salvage arthroplasty in the dog and cat (N. Fitzpatrick)</p> <p>10:15 Treatment of radius-ulna and tibia fractures using by circular external skeletal fixation system in 9 cats (S. Ullsari)</p> <p>10:30 Treatment of distal radius and ulna fracture in toy breed dogs by means of circular external skeletal fixation: a retrospective study (L.A. Piras)</p> |
| Coffee break and exhibition | | | |
| <p>REVISIONS</p> <p>Chair: M. Conzemius</p> <p>11:30 Revisions lecture stream - "Failed tendon repair" (J. Dee)</p> <p>12:00 Failed humeral condylar fracture fixation (T. Turner)</p> <p>12:30 Failed lateral extracapsular suture stabilization (B. Beale)</p> | <p>IN-DEPTH SEMINAR ON BIOMEDTRIX: CURRENT CONCEPTS IN TOTAL JOINT REPLACEMENT</p> <p>11:30 Total Hip Replacement (M. Kowaleski)</p> <p>11:50 Hip Replacement in Small Patients (B. Liska)</p> <p>12:20 Total Knee Replacement (B. Liska)</p> <p>12:40 TATE elbow development (R. Acker)</p> | <p>LA FREE COMM ON TENDONS</p> <p>Chair: O. Lepage</p> <p>11:30 Single Injection of Autologous Platelet Rich Plasma (PRP) in Suspensory Ligament Lesions in Horses: A Clinical Trial (A. Spadari)</p> <p>11:45 Histopathological Evaluation of Treatment of Superficial Digital Flexor Tendinitis with Autologous Mesenchymal Stem Cells in Horses (M.M. Dehghan)</p> <p>12:00 Use of Bone Marrow Mesenchymal Stem Cells in Case of Excision of Superficial Flexor Tendon in the Horse: a Case Report (E. Iacono)</p> <p>12:15 Treatment of tibia fractures with half-circular external fixator in sheep (Z. Adamiak)</p> <p>12:30 Radial Shock Wave Therapy for Tendon Healing and Tendon Adhesion Prevention: Characterisation of Surgically Induced Goat Model of Tendinitis (A. Kavaguchi De Grandis)</p> <p>12:45 A Conservative Treatment Technique for Gastrocnemius Muscles Rupture in Young Calves (7 Cases) (A. Bertuglia)</p> | <p>SA FREE COMM</p> <p>Chair: J. Houlton</p> <p>11:30 Deformity reduction device (DRD JIG): a new device for deformity corrections (E. Panichi)</p> <p>11:45 Surgical correction of antebrachial deformity in a dog by means of a deformity reduction device (F. Cappellari)</p> <p>12:00 Pantarsal arthrodesis in 11 cats using a novel dorsal plate: technique and complications (B. Stapley)</p> <p>12:15 The effect of titanium mesh in the management of segmental long bone defect: an experimental study in a canine model (S. Zoi)</p> <p>12:30 Treatment of significant bone defects with distraction and compression using autogenous cortico-cancellous bone graft in a dynamized external fixator construct in 4 dogs and 1 cat (T. Sparrow)</p> <p>12:45 Minimally invasive plate osteosynthesis using two perpendicular oriented plates for the treatment of tibial fractures in 23 cats (K. Ash)</p> |
| Lunch break and exhibition | | | |

SMALL ANIMAL

EQUINE

SCIVAC

SIVE


IN-DEPTH

FREE COMMUNICATION

Congress: Friday,

September 17th, 2010 - Afternoon

| Room/ Time | Europa SCIVAC/SIOVET SATELLITE SYMPOSIUM New trends in canine and feline orthopaedics | Giulla LA MAIN PROGRAM Biologic Therapeutics in Equine orthopaedics - A critical review of the evidence | Magenta SA MAIN PROGRAM |
|---------------|--|---|---|
| 2:00 pm | Chair: F.M. Martini | Chair: A. Stewart | TOOLS TO MEASURE CLINICAL SUCCESS |
| | 2:00 Feline hind limb lameness - what if it's not a fracture or an abscess? (S. Langley-Hobbs) | 2:00 Critical review of the clinical use of autologous conditioned serum (ACS) also known as IRAP® (W. McIlwraith) | Chair: K. Johnson |
| | 2:30 Feline forelimb lameness - what if it's not a fracture or an abscess? (S. Langley-Hobbs) | 2:20 Critical review of the clinical use of PRP and BMAC (A. Nixon) | 2:00 Limitations of force platform gait analysis (M. Conzemius) |
| | 3:00 Cat fracture quiz (S. Langley-Hobbs) | 2:40 Critical review of the clinical use of Tiludronate in horses (O. Lepage) | 2:30 Validating subjective clinical outcome measures (D. Lascelles) |
| | 3:45 Discussion | 3:00 Critical review of Regenerative Cell Therapy: fat-derived, tendon derived, synovial-derived cells (A. Stewart) | 2:55 Pressure mats (E. Viguier) |
| | | 3:20 Results of treatment of bone marrow derived mesenchymal stem cell therapy (R. Smith) | 3:20 Instrumented treadmill analysis (S. Steigmeier) |
| | | 3:40 Indications and results for intra-articular use of stem cells (W. McIlwraith) | |
| 3:45 pm | Coffee break and exhibition | | |
| 4:15 pm | STATE OF THE ART LECTURE - ROOM EUROPA The injured joint and post-traumatic osteoarthritis - What happens, what can we do for our patients? (Professor Stefan Lohmander) Chair: A. Vezzoni | | |
| 5:00 pm | POSTER SESSION (Chair O. Lepage) and WINE AND CHEESE | | |
| 6:30 pm | Adjourn | | |

| Italia SA MAIN PROGRAM | Celeste IN-DEPTH SEMINARS | Verde IN-DEPTH SEMINARS  | Rossa SA FREE COMM |
|--|--|--|--|
| HOT TOPICS | IN-DEPTH SEMINAR ON PHYSIOTHERAPY | IN-DEPTH SEMINAR ON KYON NEWS | Chair: J. Houlton |
| Chair: R. Vannini | Chair: D. Marcellin-Little | Chair: I. Pfeil | 2:15 Risk for a dog to have simultaneous phenotypic expression of both hip and elbow dysplasia. A study based on 1411 radiographic examinations of both joints sent for official screening (T. Cachon) |
| 2:00 TPLO in the cat (U. Matis) | 2:00 Companion animal rehabilitation - Were are we? An evidence-based review (D. Marcellin-Little) | 2:00 Various osteotomies for treatment of elbow dysplasia (S. Tepic) | 2:30 Assessment of the osteoinductive properties of freeze-dried canine demineralized bone matrix (DBM) (J. Innes) |
| 2:10 Concomitant medial patellar luxation and cranial cruciate ligament disease (M. Kowaleski) | 3:00 Rehabilitation Engineering - What is it and how does it apply to companion animal rehabilitation? (D. Marcellin-Little) | 2:35 Elbow incongruency measurements with X-Ray and correction by plated proximal ulnaosteotomy: clinical experience in 46 dogs (I. Pfeil) | 2:45 Determination of the platelets and TGF-beta1 concentration in the plasma rich in growth factors of the canine species (I. Serra) |
| 2:20 The partially torn CrCl - to debride or not (K. Bruecker) | | 3:10 Practical exercise on elbow | 3:00 Effect of Glupamid (N-palmitoyl-D-glucosamine) on knee osteoarthritis pain (B. Costa) |
| 2:30 Cranial Closing Wedge Osteotomy - When to do? (B. Beale) | | | 3:15 Evaluation of the effect of bovine demineralized bone matrix and coralline hydroxyapatite on radial fracture healing in rabbits (A. Aliabadi) |
| 2:40 CORA based leveling osteotomy for treatment of the CCL deficient stifle (D. Hulse) | | | 3:30 Implantation of autologous bone marrow mononuclear cells as a minimal invasive therapy of legg-Calvé-Perthes' disease in the dog (A. Crovace) |
| 2:50 Ulnar osteotomies: when, where, why, how? (L. Pluhar) | | | 3:45 Genejammer enhances adenoviral BMP-2 gene delivery to canine bone marrow-derived mesenchymal stem cells (T. Smith) |
| 3:00 Medial coronoid process fragmentation in small dogs (J-F. Bardet) | | | |
| 3:10 Old dog FCP (B. Van Ryssen) | | | |
| 3:20 Acute FCP with normal elbow (B. Beale) | | | |
| 3:30 Discussion | | | |
| Coffee break and exhibition | | | |
| STATE OF THE ART LECTURE - ROOM EUROPA The injured joint and post-traumatic osteoarthritis - What happens, what can we do for our patients? (Professor Stefan Lohmander) Chair: A. Vezzoni | | | |
| POSTER SESSION (Chair O. Lepage) and WINE AND CHEESE | | | |
| Adjourn | | | |

 SMALL ANIMAL

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 FREE COMMUNICATION

Congress: Saturday,

September 18th, 2010 - Morning

| Room/ Time | Europa SCIVAC/SIOVET SATELLITE SYMPOSIUM New trends in canine and feline orthopaedics | Gialla LA MAIN PROGRAM Lameness Diagnosis and treatment - Recent progress | Magenta SA MAIN PROGRAM | Italia SA MAIN PROGRAM |
|---------------|--|--|---|--|
| 9:00 am | <p>Chair: C.M. Mortellaro</p> <p>9:00 The orthopedic examination - tips and tricks to a successful diagnosis (<i>R. Vannini</i>)</p> <p>9:30 Conservative management and external coaptation of fractures (<i>S. Langley-Hobbs</i>)</p> <p>10:00 Arthrodesis principles (<i>S. Langley-Hobbs</i>)</p> <p>10:30 Complications of tarsal and carpal arthrodesis (<i>R. Vannini</i>)</p> | <p>Chair: R. Smith</p> <p>9:00 How subjective is the detection of lameness and nerve block results in horses? (<i>R. Smith</i>)</p> <p>9:30 Analysis of gait patterns in sound and lame horses (<i>K. Keegan</i>)</p> <p>10:00 Lameness diagnosis with the aid of ground reaction force analysis (<i>M. Weishaupt</i>)</p> <p>10:30 The Lameness Locator (<i>K. Keegan</i>)</p> | <p>DISTAL LIMB TRAUMA</p> <p>Chair: B. Peirone</p> <p>9:00 Imaging the foot (<i>A. Brühshwein</i>)</p> <p>9:30 Limb salvage procedures for trauma: where are we now? (<i>N. Ehrhart</i>)</p> <p>10:00 Digital amputation in performance dogs (<i>R. Eaton-Wells</i>)</p> <p>10:30 Digits injuries (<i>A. Piras</i>)</p> | <p>ELBOW 2</p> <p>Chair: B. van Ryssen</p> <p>9:00 Iowa State TER: results and complications (<i>M. Conzemius</i>)</p> <p>9:30 TATE™ Total Elbow Replacement: Results and Complications (<i>L. Déjardin</i>)</p> <p>10:00 Incomplete ossification of the humeral condyle: outcomes and complications (<i>R. Whitlock</i>)</p> <p>10:30 Radio-ulnar incongruity in dogs with medial compartment disease (<i>D. Griffon</i>)</p> |
| 11:00 am | Coffee break and exhibition | | | |
| 11:30 am | <p>Chair: C.M. Mortellaro</p> <p>11:30 Fracture planning in cats (<i>R. Vannini</i>)</p> <p>12:00 Management of cruciate Ligament Rupture in small breed dogs and cats (<i>R. Vannini</i>)</p> <p>12:30 Distal radial fractures in toy breed dogs (<i>R. Vannini</i>)</p> | <p>11:30 Mechanics of orthopaedic shoeing in horses - what is the evidence? (<i>E. Eliashar</i>)</p> <p>12:00 The "ice shoe" to prevent and treat equine laminitis (<i>L. D'Arpe</i>)</p> | <p>PATELLAR LUXATION</p> <p>Chair: A. Vezzoni</p> <p>11:30 CT and decision-making (<i>D. Griffon</i>)</p> <p>11:50 Corrective osteotomy for patellar luxation: outcomes and complications (<i>M. Kowaleski</i>)</p> <p>12:10 Complications of patellar luxation surgery (<i>S. Langley-Hobbs</i>)</p> | <p>LEGISLATION</p> <p>Chair: M. Ness</p> <p>11:30 EU legislation: what clinicians need to know and how to stay out of trouble (<i>S. Houlton</i>)</p> <p>11:50 Clinical studies and practice: ethical and legal perspectives (<i>J. Cook</i>)</p> <p>12:10 Discussion</p> |
| 12:30 am | ESVOT General Meeting - Room Italia | | | |
| 1:00 pm | Lunch break and exhibition | | | |

| Celeste IN-DEPTH SEMINARS | Bianca IN-DEPTH SEMINARS | Verde LA FREE COMM ON JOINTS | Rossa SA FREE COMM |
|---|---|---|---|
| <p>IN-DEPTH SEMINAR ON CASE BASED ULTRASOUND-ARTHROSCOPY CORRELATION</p> <p>Chair: J. Cook</p> <p>9:00 Ultrasound joint evaluation (<i>C. Cook</i>)</p> <p>10:00 Arthroscopy joint evaluation (<i>C. Cook</i>)</p> | <p>IN-DEPTH-SEMINAR ON SURGICAL REVISIONS IN THR</p> <p>Chair: A. Vezzoni</p> <p>9:00 Revision of the cemented THR (<i>B. Liska</i>)</p> <p>9:30 Revision of BFX™ Total Hip Replacement (<i>M. Kowaleski</i>)</p> <p>10:00 Revisions of Kyon THR (<i>A. Vezzoni</i>)</p> <p>10:30 Round Table Discussion</p> | <p>Chair: A. Spadari</p> <p>9:00 Cytotoxicity of Contrast Media Iohexol for Arthrography on Bovine Chondrocytes (<i>J. Park</i>)</p> <p>9:20 The Regulation of Superficial Zone Protein/Lubricin Expression in Equine Articular Chondrocytes (<i>M. Stewart</i>)</p> <p>9:40 Ovine Anterior Cruciate Ligament (ACL) Reconstruction With a New Bioactive Device: In-Vivo Study (<i>V. Viateau</i>)</p> <p>10:00 TLR Expression and Activities in Articular Chondrocytes (<i>M. Stewart</i>)</p> <p>10:20 The Use of Xylazine Hydrochloride (Rompun®) in the Analgesic Protocol for Claw Treatment in Lateral Recumbency on a Surgical Tipping Table in Lame Dairy Cows (<i>A. Rizk</i>)</p> <p>10:40 Biochemical characteristics of the equine autologous conditioned plasma (ACPTM) (<i>J-C. Ionita</i>)</p> | <p>Chair: J. Houlton</p> <p>9:00 Orthogonal evaluation of changes in tibial plateau angles after TPLO in the cranial cruciate deficient stifle in dogs. A ten-year review (<i>N. Vecchio</i>)</p> <p>9:15 Palpation and dorsal acetabular rim radiographic view for early detection of canine hip dysplasia: a prospective study (<i>M. Gatineau</i>)</p> <p>9:30 The use of canine scrotum as a mesh graft to cover skin defects (<i>V. Grigoropoulou</i>)</p> <p>9:45 Tibial tuberosity fracture as a complication of tibial tuberosity advancement. Risk factors and management (<i>I. Calvo</i>)</p> <p>10:00 Prospective evaluation of the leipzig stifle distractor in 64 cases - A multicentric study (<i>P. Winkels</i>)</p> <p>10:15 Ostrich tendon (New xenogenic) transplantation in rabbits model (<i>G.A. Kojouri</i>)</p> <p>10:30 Study of the effect of hydroxyapatite on fracture healing of diabetic rats (<i>H. Z. Moslemi</i>)</p> <p>10:45 Discussion</p> |
| Coffee break and exhibition | | | |
| <p>IN DEPTH-SEMINAR ARTHREX NEWS</p> <p>Chair: B. Beale</p> <p>11:30 Use of ACP in dogs (<i>J. Cook</i>)</p> <p>11:40 Canine Unicompartmental Elbow (CUE) arthroplasty in dogs (<i>J. Cook</i>)</p> <p>11:50 Clinical update on meniscal repair (<i>A. Pozzi</i>)</p> <p>12:00 A biomechanical perspective to current extracapsular stabilization techniques (<i>A. Pozzi</i>)</p> <p>12:10 Isometric suture placement for stabilization of the CCL deficient stifle (<i>D. Hulse</i>)</p> <p>12:20 Arthrex swivel lock suture anchor for CrCL and MCL repair (<i>B. Beale</i>)</p> | <p>IN-DEPTH SEMINAR ON PATHOGENESIS OF CRUCIATE DISEASE</p> <p>Chair: M. Conzemius</p> <p>11:30 Pathogenesis of cranial cruciate ligament disease in the dog - genetics and anatomy (<i>M. Conzemius</i>)</p> <p>11:50 Update on canine cruciate ligament disease: hormones, immunology and trauma (<i>E. Comerford</i>)</p> <p>12:15 Inflammation and Bacteria (<i>K. Hayashi</i>)</p> | | <p>Chair: J. Houlton</p> <p>11:00 Long term follow-up of lumbosacral distraction-fusion using combined dorsal and ventral fixation including a novel intervertebral spacer device (23 dogs) (<i>N. Fitzpatrick</i>)</p> <p>11:20 Geometric change of the humeroradial and humeroulnar articulation following dynamic proximal ulna osteotomy in dogs affected by radioulnar incongruence (<i>H. Werner</i>)</p> <p>11:40 Computerized measurements of radiographic anatomical parameters of the elbow joint of Bernese mountain dogs (<i>S. Stein</i>)</p> <p>12:00 Effect of articular design on rotational constraint of two unlinked canine total elbow prosthesis (<i>L. Déjardin</i>)</p> <p>12:20 Discussion</p> |
| ESVOT General Meeting - Room Italia | | | |
| Lunch break and exhibition | | | |

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Congress Chairman

J. Houlton

Small Animal Program Chairman

J. Innes

Large Animal Program Chairman

M. Schramme

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