Welcome to Lisbon – welcome to Portugal!

Dear Friends,

We would like to give you a warm welcome to Lisbon and Portugal! We are very pleased to be hosting the 25th ECVS Annual Scientific Meeting in Lisbon where the twenty fifth anniversary of our college will be celebrated! This is a time and a great place to do it.

We are excited to be able to host this meeting at the Belém Cultural Centre (CCB), which is an impressive modern building and the main culture hub of the city. Belém is by the river and in the heart of Lisbon where a diversity of touristic and cultural attractions are located. It is also the home of the Portuguese School of Equestrian Art where you can see Lusitano horses performing daily.

The Scientific programme has been carefully tailored to match the occasion with a great mix of invited speakers and an exciting variety of free communication and poster sessions which will make this a real meeting of friends and science.

Lisbon is a fascinating and beautiful city! The international airport is located near the city centre; public transportation is excellent and taxis are affordable and will easily take you everywhere. You will have time to visit the city monuments, explore the different “bairros”, relax by the river or take the train to the beach!! We strongly recommend you make a short holiday out of this trip before or after the meeting.

The closing dinner and party will be within the cloisters of the old royal palace in Terreiro do Paço where you will be able to enjoy the best of Portuguese food and wine as well as an ECVS performance especially put together for the occasion…..(you will need to attend to discover more but we can assure you, it will not disappoint).

We have also prepared a diverse and interesting partners’ programme for those interested to explore two main cultural sites near Lisbon: Sintra village is a UNESCO world heritage site and forms one of the most spectacular cultural sceneries in Europe full of castles and palaces that are so enchanting that they all seem to come straight from fantasy books. A visit to the coastal village of Cascais or a morning at Guincho beach are also programed to enthuse your family or friends to join us in Lisbon.

We are very proud to host you in our city - Lisbon -, and we hope you will take home wonderful memories of this beautiful, historic and livable place!

Susana Monteiro, Luís Lamas, Ana Marques and David Vicente
Platinum Sponsors

Kyon
VetZ

Gold Sponsor

Vétoquinol
We would like to thank all our sponsors and exhibitors for their support and presence during the 25th Annual Scientific Meeting at the Centro Cultural de Belém, Lisbon, Portugal

- AOVET, Switzerland
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- Intrauma S.R.L., Italy
- Karl Storz GmbH + Co KG, Germany
- K-Laser, USA
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- VIN, USA
General Information

Meeting venue

Centro Cultural de Belém, Lisbon Portugal

During the meeting you may reach the ECVS office as follows: mobile: +41 (0)79 645 83 00 or by email info@ecvs.org

ECVS 25th Annual Scientific Meeting at the Centro Cultural de Belém, Lisbon, Portugal

<table>
<thead>
<tr>
<th>Category</th>
<th>before May 31</th>
<th>after May 31</th>
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<tbody>
<tr>
<td>ECVS/ACVS Diplomate</td>
<td>€ 510.–</td>
<td>€ 610.–</td>
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<tr>
<td>Non member</td>
<td>€ 600.–</td>
<td>€ 700.–</td>
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<tr>
<td>ECVS Resident/Trainee/Examinee</td>
<td>€ 380.–</td>
<td>€ 480.–</td>
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<tr>
<td>Post graduate/PhD students</td>
<td>€ 430.–</td>
<td>€ 530.–</td>
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<tr>
<td>Meet the expert / lunch sessions</td>
<td>€ 75.–</td>
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<tr>
<td>Saturday evening – Farewell Get together – ticket for spouse / children up to 11 years</td>
<td>€ 110.– / € 60.–</td>
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For registration on site we will charge an additional € 30.–

The registration fee to the Annual Scientific Meeting includes for one person:

- Admission to the 25th Annual Scientific Meeting of the ECVS
- Scientific proceedings - available online
- Certificate of attendance
- Coffee/tea breaks
- Lunch during meeting (2)
- Thursday evening – Welcome cocktail at the CCB – please confirm your presence
- Friday evening – Boat cruise and free evening to explore Lisbon - confirm your presence for the cruise on the Tejo
- Saturday evening – Farewell Party – please confirm your presence
Small animal – Pre congress activites – Thursday July 7

<table>
<thead>
<tr>
<th>Wet lab</th>
<th>before May 31</th>
<th>after May 31</th>
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<tbody>
<tr>
<td>• Storz – laparoscopy</td>
<td>€ 750.–</td>
<td>€ 820.–</td>
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<tr>
<th>Dry labs</th>
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<tr>
<td>• Infiniti Medical – Tracheal and urethral stenting</td>
<td>€ 250.–</td>
<td>€ 300.–</td>
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<tr>
<td>• Infiniti Medical – Stapling and NPWT (Negative pressure wound therapy)</td>
<td>€ 200.–</td>
<td>€ 250.–</td>
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<tr>
<th>Resident training session</th>
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<tr>
<td>• ECVS Examination - what to expect?</td>
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<tr>
<td>• Case discussion - orthopaedic and soft tissue cases on Thursday</td>
<td>€ 50.–</td>
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</table>
Large animals – Pre congress activities – Wednesday July 6 and Thursday July 7

Wet labs - Wednesday

- Equine arthroscopy, bursoscopy and tenoscopy € 750.– € 820.–
- Equine upper respiratory endoscopy and laser surgery € 750.– € 820.–

Resident training session - Thursday

- ECVS Examination - what to expect?
- Case discussion - orthopaedic and soft tissue cases € 50.–

For detailed information please refer to www.ecvs.org and make your reservation and payment online!
Payment

Registration is valid when fees are paid! We accept payment by: Master - and Visa Card (€) or by Bank transfer in € (Euro) to the following account:

– European College of Veterinary Surgeons at Union Bank of Switzerland UBS, 8050 Zurich – Oerlikon, Switzerland
– Euro account IBAN (International bank account number): CH07 0026 9269 8001 3802 M | BIC/SWIFT Code: UBSWCHZH80A

Registration fees are quoted in Euro


For any information or queries please contact:

ECVS office, c/o Vetsuisse Faculty University Zurich, Winterthurerstrasse 260, CH–8057 Zurich, Switzerland, phone: +41–44–635 8408 / fax: +41–44–313 03 84

General regulations

Accreditation: Accreditation varies from country to country.

Intellectual property: Congress materials, presentations, and case studies are the intellectual property of the presenting authors. All rights are reserved.

Recording, photographing, or copying of lectures is absolutely forbidden. Participants violating intellectual property will be dismissed.

The ECVS 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 ECVS assumes participants agree that these recorded materials may be used for ECVS marketing and other purposes, and made available to the public.

Security: Wearing of a name tag is compulsory to enter the CCB and the lecture halls.

No insurance. The ECVS 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 lectures. Please be considerate of others by turning off your mobile phone.

Dress code: Casual
Programme for partners

(please make your reservation directly online, for information please contact - Judith Huettl: jhuettl-hohl@vetclinics.uzh.ch)

Friday | 8th July | Sintra Tour (9h00-15h30)   min 15 Persons       70€

Sintra is one of Portugal’s most beautiful destinations. You will take the bus directly to the stunning Pena Palace and get to know the luxurious gardens and the extravagant mixture of colors and stone carvings of this XIX century monument. Our trip will take you then to the lovely city center of Sintra for lunch and the visit of the National Palace of Sintra. Lunch, transportation, monuments entrance and guide are included.

Saturday | 9th July | Lisbon Coast Tour (9h00-15h30)   min 15 Persons       20€

Cascais is a charming old fishing village that has become a sophisticated town. There are small museums, cool gardens and a beautiful marina. Its golden beaches attracts sun-worshipping holidaymakers that will come to splash in the ocean so don’t expect to get much sand to yourself at the weekend. Instead, if you want to taste the ocean breeze and the massive atlantic waves you will love Guincho beach, situated on the westward facing side of the Lisbon coastline. This will provide a remote and wild setting. Transportation and guide are included; lunch is optional (20€).
FRIDAY EVENING - BOAT TRANSFER

Transfer will take around 30 minutes - please note the first boat will leave at 19.15h
SATURDAY EVENING – FAREWELL PARTY – 20.30

N.º 711 | 714 | 728 | 732 | 735 | 736 | 759 | 760 | 781 | 782 | 794

Terreiro do Paço (Blue Line) | Baixa-Chiado (Green Line)

N.º 15 | 28
Small animal programme
25th Annual Scientific Meeting
July 7–9, 2016
# Thursday, 7 July

## Pre-congress labs
**UNIVERSITY OF LISBON**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00–12:00</td>
<td>Tracheal, urethral &amp; ureteral stenting lab - dry lab supported by Infiniti Medical</td>
<td>B. Culp</td>
</tr>
<tr>
<td>13:00–15:30</td>
<td>Technologies in negative pressure wound therapy (NPWT) &amp; surgical stapling - dry lab supported by Infiniti Medical</td>
<td>B. Culp</td>
</tr>
<tr>
<td>08:00–16:00</td>
<td>Small animal laparascopy - wet lab supported by Karl Storz GmbH &amp; Co. KG</td>
<td>B. van Goethem, M. Jimenez Pelaez</td>
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</tbody>
</table>

## Resident sessions
**CENTRO CULTURAL DE BELÊM – ALMADA NEGREIROS**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>13:00–14:00</td>
<td>ECVS Examination: What to expect?</td>
<td>R. Whitelock and G. Chanoit</td>
</tr>
<tr>
<td>14:00–15:00</td>
<td>Soft tissue case discussion</td>
<td>G. Chanoit</td>
</tr>
<tr>
<td>15:00–16:00</td>
<td>Orthopaedic case discussion</td>
<td>R. Whitelock</td>
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</table>
Thursday, 7 July

Start of the main programme

CENTRO CULTURAL DE BELÉM - FOYER EUGÉNIO DE ANDRADE

15:00-16:45 Registration

Opening Session – State of the art

GRANDE AUDÍTORIO

Chair: A. Martens

16:45-17:45 Current challenges in orthopedic surgery
Dr. Jacinto Monteiro

Resident Forum Orthopaedic

GRANDE AUDÍTORIO

Chair: M. Owen

18:00-18:15 Discrepancy between the desired radiographic advancement and 
true advancement required for patellar tendon-tibial plateau 
angle reduction to the ideal 90° using the modified Maquet 
technique in dogs
F.A. Pillard Discussant: M. Ness

18:15-18:30 Improving the accuracy of drilling for transcondylar screw 
placement in the treatment of canine humeral intercondylar 
fissure using a custom guide: an experimental study
A. Murdoch Discussant: A. Moores

Resident Forum Soft tissue

ALMADA NEGREIROS

Chair: V. Lipscomb

18:00-18:15 Comparison of antibacterial efficacy of standard negative 
pressure wound therapy (NPWT) and negative pressure wound 
therapy with instillation (NPWTi) in the dog.
M.C. Nolff Discussant: H. Brissot

18:15-18:30 Negative pressure wound therapy using polyvinyl alcohol foam to 
support full-thickness mesh skin grafts in dogs
M. Or Discussant: C. Poncet
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Discussant</th>
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<tbody>
<tr>
<td>18:30-18:45</td>
<td>Evaluation of the effect of an intra-articular injection of mesenchymal stem cells on the musculoskeletal status of dogs operated by tibial plateau leveling osteotomy for a cranial cruciate ligament rupture</td>
<td>Q. Cabon (D. Spreng)</td>
</tr>
<tr>
<td>18:45-19:00</td>
<td>Evaluation of intra- and inter-observer variability of a radiographic stifle osteo-arthritis scoring system in dogs</td>
<td>M. Wessely (A. Fischer)</td>
</tr>
<tr>
<td>19:00-19:15</td>
<td>Plate-rod constructs for tibial fractures in cats: an anatomical study</td>
<td>S. Vincenti (K. Voss)</td>
</tr>
<tr>
<td>19:15-19:30</td>
<td>Safety and accuracy of arthroscopic medial glenohumeral ligament and subscapularis tendon repair using knotless anchors: a cadaveric study in dogs</td>
<td>A. Penelas (P. Winkels)</td>
</tr>
<tr>
<td>19:30-19:45</td>
<td>Patellar ligament load following tibial tuberosity distalization and femoral ostectomy: A canine ex vivo study</td>
<td>J. Drew (R. Boudrieau)</td>
</tr>
<tr>
<td>19:45-20:00</td>
<td>Coloured indicator undergoes increase the detection of glove perforations by surgeons during small animal orthopaedic surgery</td>
<td>L. Maekin (I. Jopp)</td>
</tr>
<tr>
<td>18:30-18:45</td>
<td>Feline ureterolithiasis: comparison between double pigtail ureteral stent and subcutaneous ureteral bypass device in 50 cats</td>
<td>C. Deroy (Z. Halfacree)</td>
</tr>
<tr>
<td>18:45-19:00</td>
<td>Comparison of use of Ligasure versus a standard technique for tonsillectomy in brachycephalic obstructive airway syndrome</td>
<td>A. Belch (G. Dupré)</td>
</tr>
<tr>
<td>19:00-19:15</td>
<td>Influence of Veress needle types and implantation sites on peritoneal tenting: A comparative study in cadaveric dogs</td>
<td>K. Leschnik (M. Jimenez Pelaez)</td>
</tr>
<tr>
<td>19:15-19:30</td>
<td>Cordless SonicisionTM ultrasonic dissector versus LigasureTM bipolar vessel sealer for laparoscopic ovariectomy in dogs.</td>
<td>A. Spillebeen (S. Baines)</td>
</tr>
<tr>
<td>19:30-19:45</td>
<td>The effect of abdominal lavage solution temperature on core body temperature in cats and dogs of up to 10kg mass undergoing coeliotomy</td>
<td>D.C. Barnes (C. Shales)</td>
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<tr>
<td>19:45-20:00</td>
<td>Histological analysis of thermal damage caused by vessel sealing during open ovariectomy in dogs</td>
<td>N. Devriendt (G. Chanoit)</td>
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<tr>
<td>20:00-20:15</td>
<td>Biomechanical comparison of feline coeliotomy closure</td>
<td>F. Reina (L. Findji)</td>
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**Welcome get together**

**CENTRO CULTURAL DE BELÉM**

20:15-23:00 **Welcome get together at the Centro Cultural de Belém CCB - Restaurant and Terrace Vitorino Nemésio**
### Friday, 8 July

#### Orthopaedic surgery

**GRANDE AUDITÓRIO**

**Injury and disease in working and performance dogs – part I**

**Chair:** A. Pozzi

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 08:30-09:00 | Injuries to the distal skeleton in sporting dogs - carpus  
A. Piras |
| 09:00-09:30 | Injuries to the distal skeleton in sporting dogs - tarsus  
A. Piras |
| 09:30-10:00 | Is there a role for arthroscopy in performance/working dogs?  
P. Winkels |
| 10:00-10:30 | Discussion |

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<tr>
<th>Time</th>
<th>COFFEE BREAK</th>
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<tr>
<td>10:30-11:00</td>
<td>COFFEE BREAK</td>
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**Injury and disease in working and performance dogs – part II**

**Chair:** M. Owen

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<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 11:00-11:30 | Humeral condylar fissure  
A. Moores |
| 11:30-12:00 | Early intervention for elbow dysplasia if changes are detected upon screening  
A. Vezzoni |

#### Trauma and critical care

**SOPHIA DE MELLO BREYNER**

**Trauma management**

**Chair:** V. Lipscomb

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 08:30-09:00 | The future of critical care medicine and trauma management in small animals  
D. Chan |
| 09:00-09:30 | Polytrauma cases - when to cut and when to wait  
D. Chan |
| 09:30-10:15 | How to learn from my mistakes... major skin trauma reconstruction disasters!  
D. Holt |
| 10:15-10:30 | Discussion and questions |
| 10:30-11:00 | COFFEE BREAK |

**Chair:** V. Lipscomb

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 11:00-11:45 | Abdominal trauma: intra:operative decisions and options for reconstruction  
D. Holt |
| 11:45-12:30 | Thoracic trauma: penetrating injuries and thoracic bite wounds  
Z. Halfacree |
| 12:30-13:00 | Nutritional support and decision making for the post-op trauma patient  
D. Chan |

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<td>10:30-11:00</td>
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#### Soft tissue surgery – ECVS & VSSO

**ALMADA NEGREIROS**

**Surgical margins**

**Chair:** N. Bacon

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<tr>
<th>Time</th>
<th>Session</th>
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| 08:30-9:00 | Tumour margins: a pathologist’s perspective  
T. Scase |
| 09:00-9:30 | Tumour margins: a veterinary perspective  
P. Buracco |
| 09:30-10:00 | Tumour margins: a medical and radiation perspective  
P. Zandvliet |
| 10:00-10:30 | Round table discussion  
N. Bacon, T. Scase, P. Buracco, M. Zandvliet |

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**Lower urinary tract neoplasia**

**Chair:** H. L’Eplattenier

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<th>Time</th>
<th>Session</th>
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</table>
| 11:00-11:45 | Lower urinary tract cancer: minimally-invasive image-guided interventions  
B. Culp |
| 11:45-12:30 | Lower urinary tract cancer: maximally invasive therapies  
G. Romanelli |

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### Friday, 8 July (cont.)

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>12:00-12:30</td>
<td><strong>Influence of joint disease on the performance of gundogs</strong></td>
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<td>J. Houlton</td>
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<tr>
<td>12:30-13:00</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>12:30-13:15</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>13:00-14:15</td>
<td><strong>LUNCH BREAK</strong></td>
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**COTTINELLI TELMO**

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<th>Time</th>
<th>Session</th>
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<tr>
<td>13:15-14:00</td>
<td><strong>Meet the expert – Problem solving in Zurich total hip replacement</strong></td>
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<td>A. Vezzoni</td>
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**DACIANO DA COSTA**

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<th>Session</th>
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<tr>
<td>13:15-14:00</td>
<td><strong>Meet the expert – Ureteral obstructions: Evaluation of current available image-guided techniques (stents and SUBs)</strong></td>
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<td>B. Culp</td>
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**GRANDE AUDITÓRIO**

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<tr>
<td>13:20-13:50</td>
<td><strong>Information session for residents and supervisors: credentials / grants / exam</strong></td>
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**12:30-13:15**  
**Lower urinary tract cancer: adjuvant therapies**  
M. Zandvliet
Friday, 8 July (cont.)

**Orthopaedic**

**GRANDE AUDITÓRIO**

**Injury and disease in working and performance dogs – part III**

Chair: P. Winkels

**14:15-14:45** Muscle injuries and their consequence (Pathophysiology)
C. Zink

**Muscle injuries of the forelimb** (infraspinatus, triceps..)  
I. Calvo - presented by P. Lafuente

**Muscle injuries of the hindlimb** (insertion gastronemius, iliopsoas, ..)  
R. Whitelock

**15:15-16:00** Discussion

**16:00-16:30 COFFEE BREAK**

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**Trauma and critical care**

**SOPHIA DE MELLO BREYNER**

**Traumatology and orthopaedics I**

Chair: E. Schnabl-Feichter

**14:30-14:55** High velocity injuries to the appendicular skeleton  
L. Guiot

**14:55-15:20** Spinal trauma repair strategies for orthopaedic surgeons  
M. Ness

**15:20-15:45** TEP as a possibility for fracture repair  
A. Vezzoni

**15:45-16:00** Discussion

**16:00-16:30 COFFEE BREAK**

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**Traumatology and orthopaedics II**

Chair: M. Owen

**16:30-17:15** Disaster round – fracture repair I  
K. Zahn

**17:15-18:00** Disaster round – fracture repair II  
L. Guiot

**18:00-18:15** Discussion

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**Soft tissue surgery**

**ALMADA NEGREIROS**

**VSSO consensus update: The big 3**

Chair: J. Kirpensteijn

**14:30-15:00** Osteosarcoma  
N. Bacon

**15:00-15:30** Mast cell tumour  
B. Culp

**15:30-16:00** Melanoma  
J. Kirpensteijn

**16:00-16:30 COFFEE BREAK**
Friday, 8 July (cont.)

**Short communications orthopaedics**

**GRANDE AUDITÓRIO**

Chair: E. Comerford

16:30-16:45 Agreement between radiographic and anatomic patellar tendon-tibial plateau angles for tuberosity advancement determination and cage size recommendation in dogs
F.A. Pillard

16:45-17:00 Metallic ion release from corrosion of cast stainless steel TPLO implants is implicated in osteosarcoma development in dogs: a focal electrochemical analysis
R. Boudrieau

17:00-17:15 Tibial plateau levelling osteotomy and lateral fabellotibial suture for cranial internal rotational stability of the tibia
R. Ben-Amoz

17:15-17:30 Effect of stabilisation method on postoperative complication rates and outcome after treatment of concomitant cranial cruciate ligament disease and medial patellar luxation
K.L. Perry

17:30-17:45 Inflammatory pattern of the infrapatellar fat pad in dogs with cruciate ligament disease
S. Forterre

**Short communications soft tissue**

**ALMADA NEGREIROS**

Chair: M. Cariou

16:30-16:45 Nano-encapsulated bilirubin protects murine pancreatic islet cells exposed to hypoxic stress
B.A. Fullagar - “Winner of best Residents’ Forum presentation ACVS 2015”

16:45-17:00 Does the result of mitral valve repair depend on the severity of mitral valve disease?
M. Uechi

17:00-17:15 Treatment of canine sinonasal aspergillosis by sinusosal and nasal depot therapy with clotrimazole under endoscopic guidance
B. Vedrine

17:15-17:30 Relationship between nasopharyngeal dimensions and middle ear effusion in brachycephalic breeds: A computed tomographic comparison of pugs and French bulldogs
D. Heidenreich

17:30-17:45 Owner satisfaction following radical otectomy in cats
C. Ragetly-Imbs

17:45-18:00 Comparison of long term outcome in cats with and without clinical inner ear disease undergoing ventral bulla osteotomy
V. Ortiz
**Resident presentation**

**ALMADA NEGREIROS**

18:15-19:10  Pathology for surgeons and Surgery residents  
T. Scase

---

**ECVS Annual Business Meeting for ECVS Diplomates mandatory**

**GRANDE AUDITÓRIO**

18:15-19:15  ECVS Annual Business Meeting for ECVS Diplomates mandatory

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**Boat transfer on the Tejo from Belém to the City Center - free evening to explore Lisbon – first transfer 19.15**
**Orthopaedics**

**GRANDE AUDIUTORIO**

### Tendon and ligament disease

**Chair:** R. Whitelock

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>Tendon pathophysiology: Current knowledge and future clinical therapies</td>
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<tr>
<td></td>
<td>C. Zink</td>
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<tr>
<td>09:00-09:30</td>
<td>Achilles tendon rupture: what have we learnt so far?</td>
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<tr>
<td></td>
<td>S. Corr</td>
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<tr>
<td>09:30-10:00</td>
<td>Stenosing tenosynovitis</td>
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<tr>
<td></td>
<td>J. Pink</td>
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<tr>
<td>10:00-10:30</td>
<td>How I manage carpal hyperextension injuries?</td>
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<td>P. Mich</td>
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<tr>
<td>10:30-10:45</td>
<td>Discussion</td>
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**10:45-11:15 COFFEE BREAK**

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:15-11:45</td>
<td>Collateral ligament- repair or not?</td>
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<td></td>
<td>M. Ness</td>
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<tr>
<td>11:45-12:15</td>
<td>Pathophysiology of ligament degeneration, targets for future therapy??</td>
</tr>
<tr>
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<td>E. Comerford</td>
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</tbody>
</table>

### Lasers, Sports- and Regenerative Medicine

**SOPHIA DE MELLO BREYNER**

#### Lasers in soft tissue surgery

**Chair:** S. Bureau

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:30-09:15</td>
<td>Evidence base for therapeutic laser use in veterinary medicine</td>
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<tr>
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<td>M. Suarez</td>
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<tr>
<td>09:15-09:45</td>
<td>Use of therapeutic lasers in soft tissue surgery cases</td>
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<tr>
<td></td>
<td>M. Suarez</td>
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<tr>
<td>09:45-10:15</td>
<td>Use and applications of diode laser in soft tissue surgery</td>
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<td>J. Ladlow</td>
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<tr>
<td>10:15-10:30</td>
<td>Discussion</td>
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</table>

**J. Ladlow / M. Suarez**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:30-11:00</td>
<td>COFFEE BREAK</td>
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</table>

### Cellular therapies (Orthopaedics)

**Chair:** T. Sissener

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
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<tbody>
<tr>
<td>11:00-11:25</td>
<td>Historical and legal aspects of regenerative medicine</td>
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<td>W. Brehm</td>
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<tr>
<td>11:25-11:50</td>
<td>Regenerative medicine- what can we learn from our equine surgeon colleagues</td>
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<td>M. Schramme</td>
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</table>

### Soft tissue

**ALMADA NEGREIROS**

### Upper respiratory tract disease

**Chair:** G. ter Haar

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>Epiglottic retroversion</td>
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<td>R. Doyle</td>
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<tr>
<td>09:00-09:30</td>
<td>Nasopharyngeal stenosis</td>
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<td>B. Culp</td>
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<tr>
<td>09:30-10:00</td>
<td>Laryngeal resection in dogs and cats</td>
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<tr>
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<td>L. Findji</td>
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<tr>
<td>10:00-10:30</td>
<td>Indications and use of peri-op mechanical ventilation for animals undergoing respiratory surgery</td>
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<td>D. Chan</td>
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</tbody>
</table>

**10:30-11:00 Discussion**

**11:00-11:30 COFFEE BREAK**

### Intrahepatic shunts

**Chair:** S. Baines

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:30-12:15</td>
<td>Intrahepatic shunts: Treatment options and critical evaluation of coil embolization</td>
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<tr>
<td></td>
<td>B. Culp</td>
</tr>
<tr>
<td>12:15-13:00</td>
<td>Intrahepatic shunts: maximally invasive surgery</td>
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<td>M. Tivers</td>
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</tbody>
</table>
12:15-12:45 Strategies in rehabilitation of tendons, ligaments and muscles  
C. Zink

12:45-13:15 How I manage ‘Achilles complex’ tendinopathy  
P. Mich

13:15-14:45 LUNCH BREAK

11:50-12:15 Stem cells and ligament repair: Translational aspects in dogs and humans.  
D. Spreng

12:15-12:45 Platelet therapy for musculoskeletal disease  
A. Gines

12:45-13:00 Discussion

13:00-14.45 LUNCH BREAK

COTINELLI TELMO

13:30-14:15 Meet the expert – Intra-operative near-infrared imaging of cancer  
D. Holt

DACIANO DA COSTA

03:00-14:15 Meet the expert – Strategies for challenging articular fractures  
L. Guiot

SOPHIA DE MELLO BREYNER

13:30-14:15 AVSTS research forum lunchtime meeting at ECVS 2016
14:45-15:00  Oxidative stress results in increased expression of osteoarthitis genes in canine chondrocytes  
K. Pollock

15:00-15:15  Needle arthroscopy (NA) for elbow joint exploration in dogs. A cadaveric study  
V. Viateau

15:15-15:30  Influence of plates in fracture healing and re-fracture in small breed dogs with distal radioulnar fractures: a multicentre retrospective study  
K. Edamura

15:30-15:45  “Bottom-hung window“ trauma in cats: neurological evaluation and outcome  
G. Gradner

15:45-16:00  Associations between thoracic vertebral anomalies or environmental parameters, with thoraco-lumbar myelopathies in a cohort of 658 French Bulldogs  
P. Moissonnier
Saturday, 9 July (cont.)

16:00-16:30 **COFFEE BREAK**

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**Poster session - soft tissue & orthopaedic combined**

**GRANDE AUDITÓRIO**

16:30-17:30

Chair: S. Bureau and E. Schnabl-Feichter

During Friday 4 soft tissue- and 4 orthopaedic posters of the two lists below will be selected for presentation:

### Posters - orthopaedic

- Polypropylene mesh augmentation of canine common calcaneal tendon lacerations: laboratory analysis and clinical experience in eight cases  
  W. McCartney
- Increased synovial fluid concentration of hyaluronic acid after oral administration in dogs with anterior cruciate ligament injury.  
  I. Serra Aguado
- Video assisted removal of lead pellet fragments from the vertebral canal following gunshot injury and long term outcome in a cat.  
  L. Matres Lorenzo
- Surgical treatment of thoracic hemivertebra in dogs: surgical description and preliminary reports on 4 dogs  
  Q. Cabon
- Electrocautery technique for proximal tibial epiphysiodesis in Labrador puppies  
  L. Muzzi

### Posters - soft tissue

- Comparison of antibacterial efficiency of polyhexanid cold atmospheric argon plasma and saline in treatment of canine bite wounds.  
  M. Nolff
- Abdominal sarcoma secondary to gossypiboma in a cat  
  J.R. Marques Ribeiro
- Aberrant conjunctival overgrowth in rabbit – case report  
  J.R. Marques Ribeiro
- Concurrent cranial and caudal sartorius muscle flaps for reconstruction of an abdominal wall defect after resection of a high grade rhabdomyosarcoma in a dog  
  C. Rubiños Alonso
- Pharmacokinetic comparison of 2 buprenorphine formulations after oral transmucosal administration in cats  
  B. Gulledge
- Clinical topographical anatomy of the gastroesophageal junction in the cat  
  A. Voutsinou
Caudal cruciate ligament rupture associated with negative tibial plateau angle: Correction using a CORA-based cranial tibial opening wedge.
S. Vincenti

Practical use of weight-bearing standing radiography in dogs with rupture of the cranial cruciate ligament
K. Edamura

Surgical treatment of lumbosacral discospondylitis with gentamicin-impregnated PMMA cement and omentalization through a ventral approach - a case report
M. Manou

Treatment of an aneurysmal bone cyst with combined bone grafting and a synthetic biomaterial in a dog - A case report
M. Manou

Does plasma rich platelet have a role in the treatment of dogs with osteoarthritis? The effect of matrix metalloproteinases 2 9 and cytokines profiles
M. Ancan

Gastric dilation volvulus and focal splenomegaly in a pet Guinea pig with urethral calculus
R. Schuenemann

Temporary abdominal packing for management of persistent hemorrhage from hepatic tumor resection sites in 3 dogs
R. Hardie

Persistent urachus and paired umbilical arteries with septic peritonitis in a 6-month-old Boxer
R. Schuenemann

3D-reconstructed computed tomography and surgical treatment of aberrant right subclavian artery in two kittens
P. Cinti

Seasonal influence on the presentation of cats with urethral obstruction in the northern United States
J. Sumner

Evaluation of suture length to wound length (SL:WL) ratio in an in vitro abdominal closure model
B. Degasperi

Smooth muscle actin and interstitial collagen following variable periods of renal ischemia in cats.
C. Schmiedt

Dissecting intramyocardial hematoma after mitral valve repair in five dogs.
M. Uechi
Closing Session – State of the art – Jörg Auer lecture

GRANDE AUDITÓRIO

Chair: H. L'Eplattenier

17:45-18:30 What can veterinary surgeons learn from human laparoscopic techniques?
Dr. Novo de Matos

18:30-19:00 Awards and closing remarks

Farewell

20:30-02:00 Farewell Party - dinner with fingerfood at the Pátio da Galé
Large animal programme
25th Annual Scientific Meeting
July 7–9, 2016
**Wednesday, 6 July**

**Pre-congress wet-labs**

**University of Lisbon**

**08:00-17:30**  
**Equine arthroscopy, bursoscopy and tenoscopy**  
C. Kawcak, M. Smith, O. Simon, D. Richardson  
supported by Karl Storz GmbH & Co. KG

**08:00-17:30**  
**Equine upper respiratory endoscopy and laser surgery**  
B. Woodie, J. Perkins, L. Vlaminck, A. Fürst  
supported by Karl Storz GmbH & Co. KG

**Thursday, 7 July**

**Resident sessions**

**Centro Cultural de Belém - Luis de Freitas Branco**

**13:00-14:00**  
**ECVS Examination: What to expect?**  
C. Tessier and P. Clegg

**14:00-16:00**  
**Bovine cases - presentation and discussion**  
K. Nuss, L. Vlaminck
Thursday, 7 July (cont.)

**Start of the main programme**

CENTRO CULTURAL DE BELÉM - FOYER EUGÉNIO DE ANDRADE

15:00-16:45  **Registration**

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**Opening Session – State of the art**

GRANDE AUDITÓRIO

Chair: A. Martens

16:45-17:45  **Current challenges in orthopedic surgery**

Dr. Jacinto Monteiro

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**Resident Forum**

PEQUENO AUDITÓRIO

Chair: A. Martens

18:00-18:15  **Trans-endoscopic laser fenestration of ventral and dorsal concha using a contralateral nostril approach and J-maneouvre**

F. Kolos  Discussant: J. Perkins

18:15-18:30  **Anatomical description of the boundary of the proximal equine esophagus and its surgical implications on prosthetic laryngoplasty in horses**

O. Brandenberger  Discussant: T. Greet

18:30-18:45  **SAA aids diagnosis of equine synovial sepsis**

C. Robinson  Discussant: F. Pille
Thursday, 7 July (cont.)

18:45-19:00  **Haematogenous septic arthritis in foals: short- and long-term outcome and analysis of factors affecting prognosis**  
L. Wright  
Discussant: M. Schramme

19:00-19:15  **The importance of mineralisation within equine tendons and ligaments**  
E. O’Brien  
Discussant: P. Clegg

19:15-19:30  **Laparoscopic evaluation of umbilical disorders in calves: description of the technique and comparison with ultrasonography and laparotomy**  
M. Robert  
Discussant: K. Nuss

19:30-19:45  **Duration of action of mepivicaine and lidocaine in equine palmar digital perineural blocks in an experimental lameness model**  
M. Hoerdemann  
Discussant: R. van Weeren

19:45-20:00  **Treatment and outcome of luxations of the superficial digital flexor tendon from the calcaneal tuber**  
M. Federici  
Discussant: C. Kawcak

20:00-20:15  **Applicability and effect of vacuum-assisted closure after median laparotomy in horses**  
M. Gaus  
Discussant: D. Verwilghen

20:15-20:30  **Structure and innervation of the equine supraspinous ligaments**  
A. Ehrle  
Discussant: J. Kidd

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**Welcome get together**

**CENTRO CULTURAL DE BELÉM**

20:30-23:00  **Welcome get together at the Centro Cultural de Belém CCB - Restaurant and Terrace Vitorino Nemésio**
In depth - the equine neck

PEQUENO AUDITÓRIO

Chair: D. Loyd

08:30-08:50 Ultrasonography of the neck
F. David

08:50-09:20 Experiences with computed tomographic imaging of neck pathology
M. Kristoffersen

09:20-09:55 Historical evolution, experience and expected outcomes of cervical vertebral stenotic myelopathy surgery
J. Walmsley

09:55-10:20 Plate fixation in neck surgery: the way forward?
F. Rossignol

10:20-10:30 Discussion

10.30-11.00 COFFEE BREAK

Short communications - general

PEQUENO AUDITÓRIO

Chair: S. Monteiro

11:00-11:15 Treatment of mandibular brachygnavhia by corrective osteotomy using 2 short locking compression plates
T. Spoormakers

11:15-11:30 What do we know about naso-frontal suture periostitis? A review of cases from a multicentre study
D. Verwilghen
Friday, 8 July (cont.)

11:30-11:45  Clinical and ultrasound monitoring protocol of intestinal motility in healthy horses after systemic morphine administration
C. Tessier

11:45-12:00  The influence of negative pressure wound therapy on second intention wound healing in the equine distal limb: a randomized controlled experimental study
L. Van Hecke

12:00-12:15  Modified nerve transplantation technique for treatment of recurrent laryngeal neuropathy in horses by tunneling the first or second cervical nerve through the crico-arytenoideus dorsalis muscle
F. Rossignol

12:15-12:30  Racing performance of Thoroughbred racehorses following treatment of medial deviation of the aryepiglottic fold by transendoscopic laser resection.
T. Barnett

12:30-14:00  LUNCH BREAK

GLICINIA QUARTIM

13:00-13:45  Meet the expert – The role of subchondral bone in joint pain, and treatment
C. Kawcak

GRANDE AUDITÓRIO

13:20-13:50  Information session for residents and supervisors: credentials / grants / exam
In depth: Urogenital

PEQUENO AUDÍTORIO

Chair: T. Spoormakers

14:00-14:25 Penile amputations: multitude of choices but how to choose and perform properly
B. Woodie

14:25-14:50 The most common procedure: castration. Primary closure or second intention healing? -Debate
H. O'Neil and F. Theiss

14:50-15:20 Ovario-hysterectomies: techniques and outcomes
B. Woodie

15:20-15:45 Surgical approaches to bladder stones
F. Rossignol

15:45-16:00 Discussion

16:00-16:30 COFFEE BREAK

Short communications

LUIS DE FREITAS BRANCO

Chair: F. David

14:00-14:15 Racing performance of Standardbred trotting horses undergoing surgery of the carpal canal compared to age- and sex-matched controls.
J. Carmalt

14:15-14:30 Clinical and tenoscopic findings in the carpal flexor sheath of 242 horses
S. Zetterström

14:30-14:45 Trivalent streptococcal exotoxin vaccine prevents oligofructose induced laminitis
D. Wilson / presented by J. Carmalt

14:45-15:00 Magnetic resonance imaging of equine tarsal disorders - 34 clinical cases
M. Waselau

15:00-15:15 In vivo effects of a single intra-articular injection of 2% lidocaine or mepivicaine in healthy horses
D.M.T. Adler

15:15-15:30 Evaluation of the pharmacokinetic properties of a combination of penicillin and amikacin administered by regional limb perfusion to standing horses
R.D. Dahan

15:30-15:45 Heritability and prevalence of selected osteochondrosis lesions in Thoroughbred horses
J.W. Russell

15:45-16:00 The effect of acupuncture on objective and subjective gait parameters in horses
D. Bolt

16:00-16:30 COFFEE BREAK
Friday, 8 July (cont.)

**Short Communications**

**PEQUENO AUDITÓRIO**

Chair: L. Lamas

16:30-16:45  **Standing lumborosacral epiduroscopy in horses**
B.D. Shrauner - *Winner of best Residents’ Forum presentation ACVS 2015*"  

16:45-17:00  **The stability of local anaesthetics used for lameness evaluation in horses**
D.M.T. Adler  

17:00-17:15  **Ultrasound guided, tendon sparing, lateral navicular bursocentesis in 26 standing horses**
K. Nottrott  

17:15-17:30  **The influence of perfusate volume on amikacin concentration in the metacarpophalangeal joint following cephalic regional limb perfusion in standing horses**
G. Kelmer  

17:30-17:45  **Cytokine and microRNA changes within equine autologous conditioned serum; comparison of two commercially available products**
S. Taylor  

17:45-18:00  **Inertial motion units to assess the distribution of gait kinematics in healthy Icelandic horses: a portable option for gait analysis in the field**
A. Cruz  

**Resident presentation**

**PEQUENO AUDITÓRIO**

18:15-19:00  **Urogenital surgeries**
B. Woodie  

**ECVS Annual Business Meeting for ECVS Diplomates mandatory**

**GRANDE AUDITÓRIO**

18:15-19:15  **ECVS Annual Business Meeting for ECVS Diplomates mandatory**  

**Boat transfer on the Tejo from Belém to the City Center - free evening to explore Lisbon - first transfer 19.15**
### Saturday, 9 July

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<tr>
<td>08:30-08:45</td>
<td>The antimicrobial activity of local anaesthetics against equine bacterial isolates</td>
<td>D.M.T. Adler</td>
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<tr>
<td>08:45-09:00</td>
<td>Early tenogenic differentiation in an in vitro tendon regeneration model</td>
<td>J. Burk</td>
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<tr>
<td>09:00-09:15</td>
<td>Outcome of ventral fusion of 2 or 3 cervical vertebrae with a locking compression plate in 8 horses</td>
<td>C. Kühnle</td>
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<tr>
<td>09:15-09:30</td>
<td>Profiling long-term consequences of interference injuries to the palmar aspect of the fore limbs in Standardbred racehorses in training</td>
<td>I. Dabbene</td>
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<tr>
<td>09:30-09:45</td>
<td>Rehabilitative legwear for flexor apparatus injuries - skin marker derived kinematics</td>
<td>B.R. Pugliese</td>
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<td>09:45-10:15</td>
<td>COFFEE BREAK</td>
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Saturday, 9 July (cont.)

**In depth: Use of CT in orthopaedic surgery**

**PEQUENO AUDITÓRIO**

10:15-10:40 **How advances in intraoperative imaging techniques allowed improvement in fracture fixation**
D. Richardson

10:40-11:05 **CT guided repair of fractures of the proximal phalanx and metacarpal/metatarsal condyles in TB racehorses**
M. Smith

11:05-11:25 **Bone cyst surgery: how can CT help**
M. Jackson

11:25-11:45 **Technique and results of CT guided repair of fractures within the hoof capsule**
D. Richardson

11:45-12:05 **Current and future applications of CT in equine orthopaedics**
C. Kawcak

12:05-12:30 **Discussion**

**LUNCH**

12:30-14:00 **Meet the expert – Tricks and pitfalls in urogenital surgery**
B. Woodie

13:00-13:45 **Meet the expert – Tricks and pitfalls in arthroscopic guided fracture repair**
D. Richardson

10:15-10:40 **Dynamic laryngeal collapse - an obscure disorder in an obscure breed?**
C. Fjordbakk

10:40-11:05 **Overground endoscopy findings following prosthetic laryngoplasty for management of RLN**
S. Barakzai

11:05-11:30 **Longitudinal overground endoscopy findings for conservative management of DDSP**
P. Pollock

11:30-11:55 **Overground endoscopy findings following laryngeal tie-forward for management of DDSP**
T. Barnett

11:55-12:30 **Discussion panel: Upper airway disorders - surgery or not - What to do?**
B. Woodie, C. Fjordbakk, S. Barakzai, P. Pollock, T. Barnett
### In depth: Strategies for post surgical rehabilitation

**PEQUENO AUDITÓRIO**

**Chair:** F. Pille

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<tr>
<td>14:00-14:25</td>
<td><strong>Translational rehabilitation from human to horse: strategies for tendon rehabilitation</strong></td>
<td>P. Clegg</td>
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<tr>
<td>14:25-14:50</td>
<td><strong>Rehabilitation of equine tendon injuries</strong></td>
<td>R. Smith</td>
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<td>14:50-15:10</td>
<td><strong>Tendon mechanobiology and further research opportunities.</strong></td>
<td>C. Thorpe</td>
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<td>15:10-15:35</td>
<td><strong>Equine rehabilitation centers: a step too far?</strong></td>
<td>C. Kawcak</td>
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<td>15:35-16:00</td>
<td><strong>Discussion - What do I advise and why?</strong></td>
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<td>- Tendon rehabilitation - P. Clegg</td>
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<td>- Fracture rehabilitation - D. Richardson</td>
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<td>- Post arthroscopy rehabilitation - H.O’Neil</td>
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<td>- Soft tissue surgery rehabilitation - B. Woodie</td>
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**16:00-16:30 COFFEE BREAK**

### Short communication

**LUIS DE FREITAS BRANCO**

**Chair:** J. Perkins

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<td><strong>Nasal septum resection performed with the horse standing - 9 horses</strong></td>
<td>P. Brink</td>
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<td>14:15-14:30</td>
<td><strong>Effect of viral proteins on equine dermal fibroblasts</strong></td>
<td>C. Théoret</td>
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<tr>
<td>14:30-14:45</td>
<td><strong>Laparoscopic assisted surgery for treatment of „extended“ septic funiculitis in the horse</strong></td>
<td>M. Röcken</td>
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<tr>
<td>14:45-15:00</td>
<td><strong>Topical acyclovir treatment of occult equine sarcoids: an in vitro and in vivo study</strong></td>
<td>M. Haspeslagh</td>
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<tr>
<td>15:00-15:15</td>
<td><strong>Environmental enrichment in hospitalised horses reduces stereotypic behaviour and reactivity associated with manipulation and treatments</strong></td>
<td>C. Mespoulhes-Rivière</td>
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<tr>
<td>15:15-15:30</td>
<td><strong>A comparison of a modified laparoscopic technique for cryptorchidectomy and conventional open cryptorchidectomy in horses</strong></td>
<td>P. Ruzickova</td>
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<tr>
<td>15:30-15:45</td>
<td><strong>Can the hoof be shod without limiting the hoof mechanism</strong></td>
<td>J. Brunsting</td>
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<td>15:45-16:00</td>
<td><strong>Glycocalyx degradation after intestinal resection surgery in horses</strong></td>
<td>G. Marañon</td>
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**16:00-16:30 COFFEE BREAK**
Saturday, 9 July (cont.)

**Poster Session**

**PEQUENO AUDITÓRIO**

16:30-17:30  D. Verwilghen and M. Smith

**During Friday 8 of the following posters will be selected for presentation:**

- **How magnetic resonance imaging changed treatment of equine fetlock pathology**  
  M. Waselau

- **Mesenchymal stem cells colonize platelet rich fibrin, a mix for bio-scaffold applications**  
  G. Cuevas Ramos

- **Surgical treatment of a fibrous dysplasia in a maxillary sinus of a horse**  
  L.J. Ezquerra Calvo

- **Relationship between biomarkers of cartilage in serum and degenerative joint disease in Lusitano horses**  
  S. Monteiro

- **Persistence of fungal hyphae within nerves as a possible cause for treatment failure in a horse with gutteral pouch mycosis**  
  U. Delling

- **Risk factors and incidence of catastrophic musculoskeletal injuries in Spanish Thoroughbred horses**  
  J. Lopez-Sanroman

- **Ultrasonographic features of pedunculated lipomas in two horses**  
  J. Lopez-Sanroman

- **Two-phase minimally invasive ovariohysterectomy in the mare**  
  F. David

- **Standing laparoscopic partial closure of the inguinal canal in stallions**  
  A. Vitoria
Saturday, 9 July (cont.)

Successful treatment of a large third degree perineal laceration using self-inflating tissue expanders
C. Tessier

Scintigraphy as a predictor of stifle pathology - correlation of scintigraphic and arthroscopic findings in 29 horses
T. Gudehus

Enucleation in equids with and without the use of an orbital meshwork implant: a retrospective study of 37 cases
K. Nottrott

Application and reliability of the composite orthopaedic pain scale in horses with induced orthopaedic pain
C. Gittel

L. Smith

Treatment of MRI diagnosed bone edema / fissure lines by drilling and translesional lag screw fixation - 18 cases
M. Diekstall

Experimental evaluation of cortical screw placement into the third phalanx of healthy, standing, sedated horses
S. Izing

Modified technique for common carotid artery transposition in standing horses
H.A. Tapio
Saturday, 9 July (cont.)

**Closing Session – State of the art – Jörg Auer lecture**

GRANDE AUDITORIÓ

Chair: H. L'Eplattenier

17:45-18:30  **What can veterinary surgeons learn from human laparoscopic techniques?**
Dr. Novo de Matos

18:30-19:00  **Awards and closing remarks**

**Farewell**

20:30-02:00  **Farewell Party - dinner with fingerfood at the Pátio da Galé**
26th Annual Scientific Meeting
July 13–15, 2017
Edinburgh International Conference Centre EICC, Scotland

The deadline for abstract submission is November 15, 2016 - 12:00 – noon GMT
please follow the instructions carefully!
(www.ecvs.org)

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