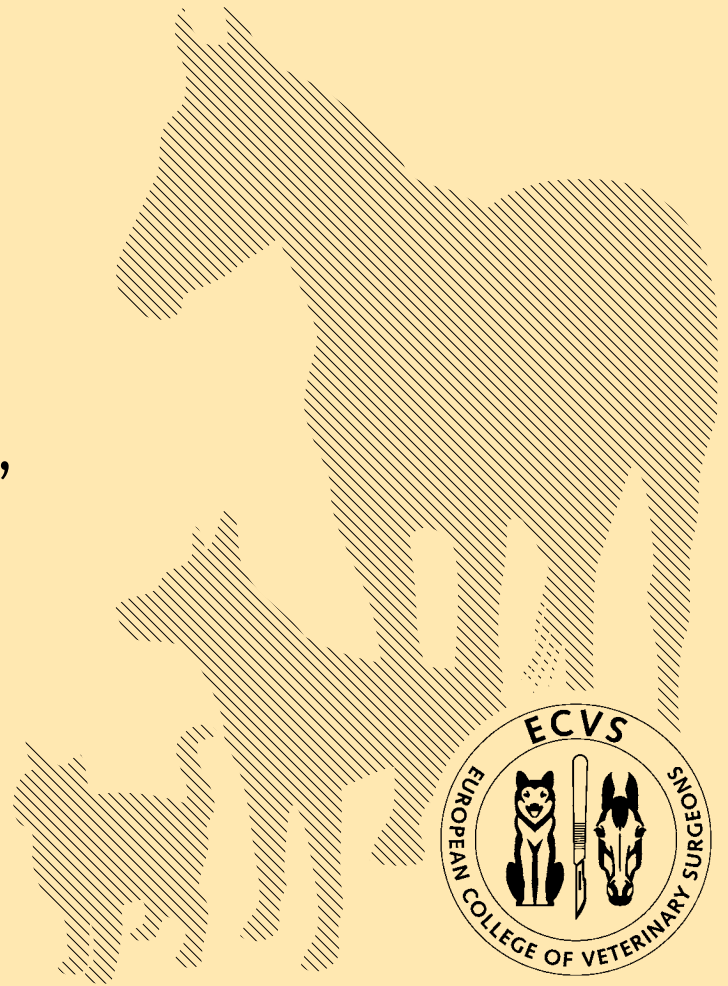


# 25th Annual Scientific Meeting

July 7–9, 2016

Centro Cultural de Belém,  
Lisbon, Portugal

European College of Veterinary Surgeons





# 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

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## Gold Sponsor

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**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**

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# General Information

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## Meeting venue

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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](mailto:info@ecvs.org)

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

	before May 31	after May 31
ECVS/ACVS Diplomate	€ 510.–	€610.–
Non member	€ 600.–	€700.–
ECVS Resident /Trainee/Examinee	€ 380.–	€480.–
Post graduate / PhD students	€ 430.–	€530.–
Meet the expert / lunch sessions	€ 75.–	
Saturday evening – Farewell Get together – ticket for spouse / children up to 11 years	€ 110.– / € 60.–	
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 activities – Thursday July 7

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### Wet lab

	before May 31	after May 31
• Storz – laparoscopy	€ 750.–	€ 820.–

### Dry labs

• Infiniti Medical – Tracheal and urethral stenting	€ 250.–	€ 300.–
• Infiniti Medical – Stapling and NPWT (Negative pressure wound therapy)	€ 200.–	€ 250.–

### Resident training session

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

## Large animals – Pre congress activities – Wednesday July 6 and Thursday July 7

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### 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](http://www.ecvs.org) and make your reservation and payment online!



## Payment

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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

**Cancellation** – reimbursement of fees: 50% until June 15, 2016 / 0% after June 15, 2016.

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

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**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

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

AVENIDA DA ÍNDIA

Acesso Terraço

Acesso Terraço

Pequeno Auditório  
(Entrada Piso 0)

large animals



Restaurante  
A Commenda

S3

Jorge de Sena



Praça CCB

ENTRADA

exhibition  
breaks  
level 1



VIN  
Internet Cafe

S2

Eugénio  
de Andrade



S.Apoio  
S2

Sala Apoio  
S1

office / registration

Foyer

posters



Recepção

ENTRADA  
PRINCIPAL

Grande Auditório

Joint sessions  
& small animals

S1

Luis de Freitas  
Branco

large animals

RUA BARTOLOMEU DIAS

AVENIDA DA ÍNDIA

meet the expert LA

**S14**  
Lopes Graça

WC

Terraço

**exhibition  
breaks**  
level 2

**exhibition  
breaks**  
level 2

**Grande Auditório**  
**Joint sessions  
& small animals**

WC

**S13**  
Amália Rodrigues

**S15**  
Carlos Paredes

WC

**Speaker ready  
room**  
**meet the expert SA**

**S9**  
Amadeo de  
Souza-Cardozo

**S16**  
Vianna  
da Motta

**S17**  
Cottinelli  
Telmo

**S18**  
Daciano  
da Costa

WC

Sala  
Apoio

**S7**

**S7**  
Sophia de Mello  
Breyner  
**small animals**

Cozinha

**S5**  
Fernando Pessoa

Gabinete

Glicínia  
Quartim

meet the expert LA

**S6**  
Almada Negreiros  
**small animals**

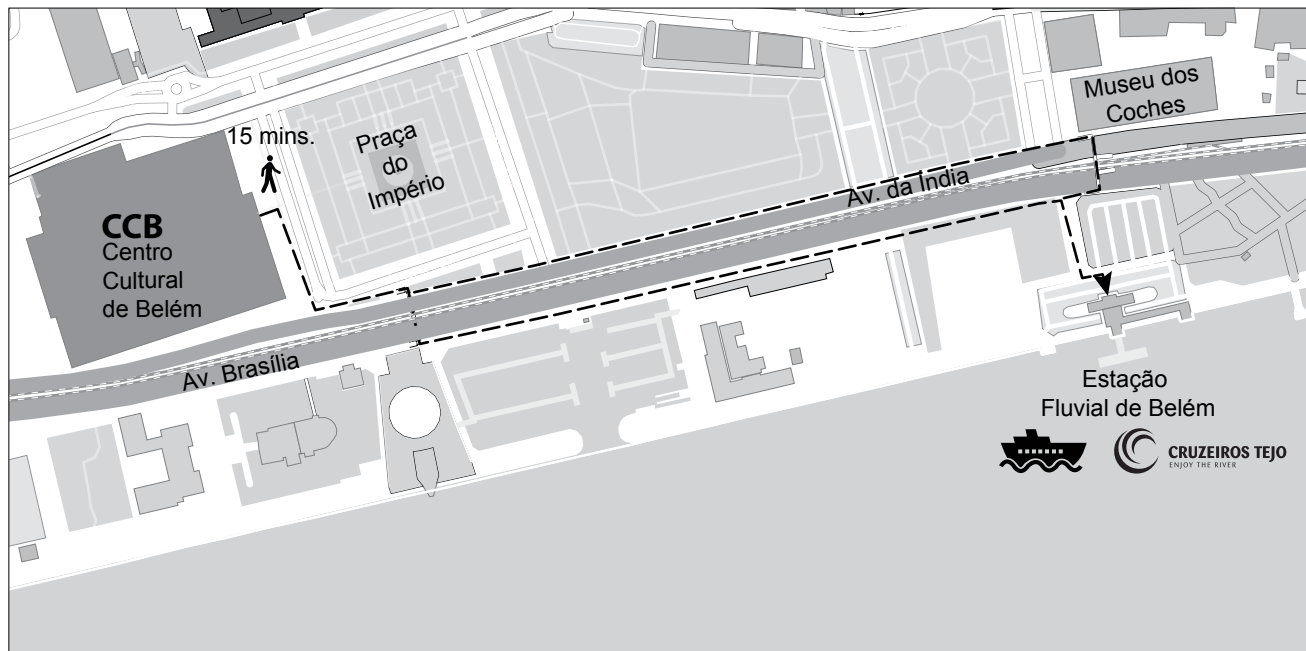
Sala  
Apoio

**S6**

RUA BARTOLOMEU DIAS

## FRIDAY EVENING - BOAT TRANSFER

Transfer will take around 30 minutes - please note the first boat will leave at 19.15 h



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.º15 | 28



## **Small animal programme**

25th Annual Scientific Meeting

July 7–9, 2016





# Thursday, 7 July

## Pre-congress labs

UNIVERSITY OF LISBON

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- 08:00-12:00 **Tracheal, urethral & ureteral stenting lab - dry lab supported by Infiniti Medical**  
B. Culp
- 13:00-15:30 **Technologies in negative pressure wound therapy (NPWT) & surgical stapling - dry lab supported by Infiniti Medical**  
B. Culp
- 08:00-16:00 **Small animal laparoscopy - wet lab supported by Karl Storz GmbH & Co. KG**  
B. van Goethem, M. Jimenez Pelaez

## Resident sessions

CENTRO CULTURAL DE BELÉM – ALMADA NEGREIROS

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- 13:00-14:00 **ECVS Examination: What to expect?**  
R. Whitelock and G. Chanoit
- 14:00-15:00 **Soft tissue case discussion**  
G. Chanoit
- 15:00-16:00 **Orthopaedic case discussion**  
R. Whitelock

# 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 AUDITÓRIO

Chair: A. Martens

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

Dr. Jacinto Monteiro

## Resident Forum Orthopaedic

GRANDE AUDITÓRIO

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 efficiency 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 pressurewound therapy using polyvinyl alcohol foam to support full-thickness mesh skin grafts in dogs**

M. Or

Discussant: C. Poncet

- 18:30-18:45 **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**  
Q. Cabon                      Discussant: D. Spreng
- 18:45-19:00 **Evaluation of intra- and inter-observer variability of a radiographic stifle osteo-arthritis scoring system in dogs**  
M. Wessely                      Discussant: A. Fischer
- 19:00-19:15 **Plate-rod constructs for tibial fractures in cats: an anatomical study**  
S. Vincenti                      Discussant: K. Voss
- 19:15-19:30 **Safety and accuracy of arthroscopic medial glenohumeral ligament and subscapularis tendon repair using knotless anchors: a cadaveric study in dogs**  
A. Penelas                      Discussant: P. Winkels
- 19:30-19:45 **Patellar ligament load following tibial tuberosity distalization and femoral ostectomy: A canine *ex vivo* study**  
J. Drew                      Discussant: R. Boudrieau
- 19:45-20:00 **Coloured indicator undergloves increase the detection of glove perforations by surgeons during small animal orthopaedic surgery**  
L. Maekin                      Discussant: I. Jopp

- 18:30-18:45 **Feline ureterolithiasis: comparison between double pigtail ureteral stent and subcutaneous ureteral bypass device in 50 cats**  
C. Deroy                      Discussant: Z. Halfacree
- 18:45-19:00 **Comparison of use of Ligasure versus a standard technique for tonsillectomy in brachycephalic obstructive airway syndrome**  
A. Belch                      Discussant: G. Dupré
- 19:00-19:15 **Influence of Veress needle types and implantation sites on peritoneal tenting: A comparative study in cadaveric dogs**  
K. Leschnik                      Discussant: M. Jimenez Pelaez
- 19:15-19:30 **Cordless Sonicision™ ultrasonic dissector versus Ligasure™ bipolar vessel sealer for laparoscopic ovariectomy in dogs.**  
A. Spillebeen                      Discussant: S. Baines
- 19:30-19:45 **The effect of abdominal lavage solution temperature on core body temperature in cats and dogs of up to 10kg mass undergoing coeliotomy**  
D.C. Barnes                      Discussant: C. Shales
- 19:45-20:00 **Histological analysis of thermal damage caused by vessel sealing during open ovariectomy in dogs**  
N. Devriendt                      Discussant: G. Chanoit
- 20:00-20:15 **Biomechanical comparison of feline coeliotomy closure**  
F. Reina                      Discussant: L. Findji

**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

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

10:30-11:00 **COFFEE BREAK**

### Injury and disease in working and performance dogs – part II

Chair: M. Owen

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

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

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

## Soft tissue surgery – ECVS & VSSO

ALMADA NEGREIROS

### Surgical margins

Chair: N. Bacon

8:30-9:00 Tumour margins: a pathologist's perspective

T. Scase

9:00-9:30 Tumour margins: a veterinary perspective

P. Buracco

9:30-10:00 Tumour margins: a medical and radiation perspective

M. Zandvliet

10:00-10:30 Round table discussion

N. Bacon, T. Scase, P. Buracco, M. Zandvliet

10:30-11:00 **COFFEE BREAK**

### Lower urinary tract neoplasia

Chair: H. L'Eplattenier

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



## Friday, 8 July (cont.)

12:00–12:30 **Influence of joint disease on the performance of gundogs**

J. Houlton

12:30–13:00 **Discussion**

13:00–13:15 **Discussion**

13:15–14:30 **LUNCH BREAK**

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12:30–13:15 **Lower urinary tract cancer: adjuvant therapies**

M. Zandvliet

13:15–14:30 **LUNCH BREAK**

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13:00–14:15 **LUNCH BREAK**

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### COTTINELLI TELMO

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13:15–14:00 **Meet the expert – Problem solving in *Zurich* total hip replacement**

A. Vezzoni

### DACIANO DA COSTA

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13:15–14:00 **Meet the expert – Ureteral obstructions: Evaluation of current available image-guided techniques (stents and SUBs)**

B. Culp

### GRANDE AUDITÓRIO

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13:20–13:50 **Information session for residents and supervisors: credentials / grants / exam**



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

14:45-15:15 **Muscle injuries of the forelimb (infraspinatus, tricipes..)**

I. Calvo - presented by P. Lafuente

15:15-15:45 **Muscle injuries of the hindlimb (insertion gastronemius, iliopsoas, ..)**

R. Whitelock

15:45-16:00 Discussion

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

## 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**

### 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**

## 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 anterior 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 sinus 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

Friday, 8 July (cont.)

## Resident presentation

ALMADA NEGREIROS

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

T. Scase

## ECVS Annual Business Meeting for ECVS Diplomates mandatory

GRANDE AUDITÓRIO

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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**

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# Saturday, 9 July

## Orthopaedics

GRANDE AUDITÓRIO

### Tendon and ligament disease

Chair: R. Whitelock

08:30-09:00 **Tendon pathophysiology: Current knowledge and future clinical therapies**

C. Zink

09:00-9:30 **Achilles tendon rupture: what have we learnt so far?**

S. Corr

09:30-10:00 **„Stenosing tenosynovitis“**

J. Pink

10:00-10:30 **How I manage carpal hyperextension injuries?**

P. Mich

10:30-10:45 **Discussion**

10:45-11:15 **COFFEE BREAK**

Chair: S. Corr

11:15-11:45 **Collateral ligament- repair or not?**

M. Ness

11:45-12:15 **Pathophysiology of ligament degeneration, targets for future therapy??**

E. Comerford

## Lasers, Sports- and Regenerative Medicine

SOPHIA DE MELLO BREYNER

### Lasers in soft tissue surgery

Chair: S. Bureau

08:30-09:15 **Evidence base for therapeutic laser use in veterinary medicine**

M. Suarez

09:15-09:45 **Use of therapeutic lasers in soft tissue surgery cases**

M. Suarez

09:45-10:15 **Use and applications of diode laser in soft tissue surgery**

J. Ladlow

10:15-10:30 **Discussion**

J. Ladlow / M. Suarez

10:30-11:00 **COFFEE BREAK**

### Cellular therapies (Orthopaedics)

Chair: T. Sissener

11:00-11:25 **Historical and legal aspects of regenerative medicine**

W. Brehm

11:25-11:50 **Regenerative medicine- what can we learn from our equine surgeon colleagues**

M. Schramme

## Soft tissue

ALMADA NEGREIROS

### Upper respiratory tract disease

Chair: G. ter Haar

08:30-09:00 **Epiglottic retroversion**

R. Doyle

09:00-09:30 **Nasopharyngeal stenosis**

B. Culp

09:30-10:00 **Laryngeal resection in dogs and cats**

L. Findji

10:00-10:30 **Indications and use of peri-op mechanical ventilation for animals undergoing respiratory surgery**

D. Chan

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

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

### Intrahepatic shunts

Chair: S. Baines

11:30-12:15 **Intrahepatic shunts: Treatment options and critical evaluation of coil embolization**

B. Culp

12:15-13:00 **Intrahepatic shunts: maximally invasive surgery**

M. Tivers

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**

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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**

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13:00-14:30 **LUNCH BREAK**

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COTINELLI TELMO

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

D.Holt

DACIANO DA COSTA

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13:30-14:15 **Meet the expert – Strategies for challenging articular fractures**

L. Guiot

SOPHIA DE MELLO BREYNER

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13:30-14:15 **AVSTS research forum lunchtime meeting at ECVS 2016**



Saturday, 9 July (cont.)

### Short communications – neuro & ortho

GRANDE AUDITÓRIO

Chair: P. Lafuente

- 14:45-15:00 **Oxidative stress results in increased expression of osteoarthritis 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

### Short communications – Laparoscopy

SOPHIA DE MELLO BREYNER

Chair: E. Viguier

- 14:45-15:00 **Electrosurgery reduces blood loss and post-operative discharge compared to scalpel alone for midline coeliotomy**  
L. Meakin
- 15:00-15:15 **The pressure-volume curve during capnoperitoneum in dogs**  
M. Dorn
- 15:15-15:30 **Ligation of the mesovarium in dogs with a self-locking resorbable implant – feasibility and comparison to suture ligation**  
O.V. Höglund

### Short communications – soft tissue

ALMADA NEGREIROS

Chair: M. Cariou

- 14:30-14:45 **Grading of small animal surgical complications using a modified Clavien-Dindo classification system – an association for veterinary soft tissue surgery (AVSTS) research cooperative (ARC) study**  
I. Nicholson
- 14:45-15:00 **Evaluation of risk factors for retained surgical sponges: A survey of veterinary practitioners**  
F. Reina
- 15:00-15:15 **Effect of surgical approach on complications progression free interval and overall survival in cats with feline mammary adenocarcinoma**  
F. Gemignani
- 15:15-15:30 **Global gene expression analysis of canine cutaneous mast cell tumours: Identification of novel biomarkers predictive of metastasis**  
K.L. Blacklock Bowlt
- 15:30-15:45 **Altered hepatic gene expression in cats with congenital portosystemic shunts**  
M. Tivers
- 15:45-16:00 **Effects of thiopentone propofol and alfaxalone on laryngeal motion during oral laryngoscopy in healthy dogs**  
T. Smalle

Saturday, 9 July (cont.)

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

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## Poster session - soft tissue & orthopaedic combined

GRANDE AUDITÓRIO

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16:30-17:30

Chair: S. Bureau and E. Schnabl-Feichter

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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. Nollf

**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. Gullledge

**Clinical topographical anatomy of the gastroesophageal junction in the cat**

A. Voutsinou

Saturday, 9 July (cont.)

### Posters - orthopaedic (cont.)

**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

### Posters - soft tissue (cont.)

**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. Degasperis

**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



Saturday, 9 July (cont.)

## 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

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

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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

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# Thursday, 7 July

## Resident sessions

CENTRO CULTURAL DE BELÉM - LUIS DE FREITAS BRANCO

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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

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15:00-16:45 Registration

## Opening Session – State of the art

GRANDE AUDITÓRIO

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Chair: A. Martens

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

Dr. Jacinto Monteiro

## Resident Forum

PEQUENO AUDITÓRIO

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Chair: A. Martens

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

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 mepivacaine 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

**Welcome get together**

CENTRO CULTURAL DE BELÉM

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

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# Friday, 8 July

## In depth - the equine neck

PEQUENO AUDITÓRIO

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Chair: D. Loyd

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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**

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## Short communications - general

PEQUENO AUDITÓRIO

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Chair: S. Monteiro

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11:00-11:15 **Treatment of mandibular brachygnathia 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 transplantaion 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**

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### GLICINIA QUARTIM

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

C. Kawcak

### GRANDE AUDITÓRIO

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13:20-13:50 **Information session for residents and supervisors: credentials / grants / exam**



Friday, 8 July (cont.)

## In depth: Urogenital

PEQUENO AUDITÓRIO

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Chair: T. Spoormakers

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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**

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## Short communications

LUIS DE FREITAS BRANCO

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Chair: F. David

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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 mepivacaine 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**

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Friday, 8 July (cont.)

## Short Communications

### PEQUENO AUDITÓRIO

Chair: L. Lamas

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16:30-16:45 **Standing lumbosacral 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**

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# Saturday, 9 July

## Short communications - orthopaedic

### PEQUENO AUDITÓRIO

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Chair: M. Wilke

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08:30-08:45 **The antimicrobial activity of local anaesthetics against equine bacterial isolates**

D.M.T. Adler

08:45-09:00 **Early tenogenic differentiation in an in vitro tendon regeneration model**

J. Burk

09:00-09:15 **Outcome of ventral fusion of 2 or 3 cervical vertebrae with a locking compression plate in 8 horses**

C. Kühnle

09:15-09:30 **Profiling long-term consequences of interference injuries to the palmar aspect of the fore limbs in Standardbred racehorses in training**

I. Dabbene

09:30-09:45 **Rehabilitative legwear for flexor apparatus injuries - skin marker derived kinematics**

B.R. Pugliese

09:45-10:15 **COFFEE BREAK**

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Saturday, 9 July (cont.)

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

PEQUENO AUDITÓRIO

Chair: A. Fürst

- 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**

12:30-14:00 **LUNCH**

GLICINIA QUARTIM

- 13:00-13:45 **Meet the expert – Tricks and pitfalls in urogenital surgery**  
B. Woodie

AMADEO DE SOUZA-CARDOZO

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

### In depth: Challenges in upper airway surgery

LUIS DE FREITAS BRANCO

Chair: T. Greet

- 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

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Chair: F. Pille

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14:00-14:25 **Translational rehabilitation from human to horse: strategies for tendon rehabilitation**

P. Clegg

14:25-14:50 **Rehabilitation of equine tendon injuries**

R. Smith

14:50-15:10 **Tendon mechanobiology and further research opportunities.**

C. Thorpe

15:10-15:35 **Equine rehabilitation centers: a step too far?**

C. Kawcak

15:35-16:00 **Discussion - What do I advise and why?**

- Tendon rehabilitation - P. Clegg
- Fracture rehabilitation - D. Richardson
- Post arthroscopy rehabilitation - H.O'Neil
- Soft tissue surgery rehabilitation - B. Woodie

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

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## Short communication

LUIS DE FREITAS BRANCO

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Chair: J. Perkins

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14:00-14:15 **Nasal septum resection performed with the horse standing - 9 horses**

P. Brink

14:15-14:30 **Effect of viral proteins on equine dermal fibroblasts**

C. Théoret

14:30-14:45 **Laparoscopic assisted surgery for treatment of „extended“ septic funiculitis in the horse**

M. Röcken

14:45-15:00 **Topical acyclovir treatment of occult equine sarcoids: an *in vitro* and *in vivo* study**

M. Haspeslagh

15:00-15:15 **Environmental enrichment in hospitalised horses reduces stereotypic behaviour and reactivity associated with manipulation and treatments**

C. Mespoules-Rivière

15:15-15:30 **A comparison of a modified laparoscopic technique for cryptorchidectomy and conventional open cryptorchidectomy in horses**

P. Ruzickova

15:30-15:45 **Can the hoof be shod without limiting the hoof mechanism**

J. Brunsting

15:45-16:00 **Glycocalyx degradation after intestinal resection surgery in horses**

G. Marañón

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

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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. Ezquerro 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 guttural 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

**Overground endoscopy, 378 examinations in 319 fald Thoroughbred racehorses: analysis of diagnosis, treatment and racing performance, 2010-2015**

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 AUDITÓRIO

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Chair: H. L'Eplattenier

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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](http://www.ecvs.org))

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