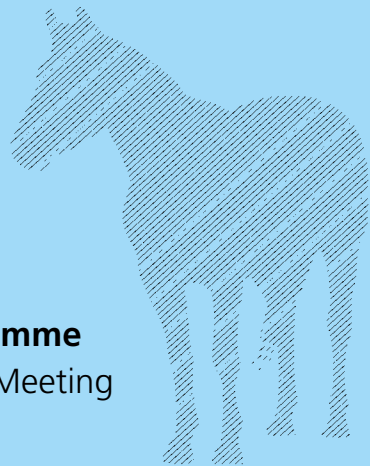


Large Animal Programme
28th Annual Scientific Meeting
July 4-6, 2019



Wednesday, 3 July

Thursday, 4 July

Pre-Congress Labs

UNIVERSITY LARGE ANIMAL CAMPUS

08:00-17:00 **Wound reconstructions and grafting techniques**
J. Wilmink, D. Gorvy, D. Hendrickson

BCC: LISZT II-III

09:00-16:45 **Intra-operative imaging guided techniques**
J. Kümmerle, M. Smith, F. Geburek, B. Bladon

BCC: MOZART I-II

08:00-13:00 **Getting the best out of you and your surgical team**
C. Crowe, C. Oxtoby

Resident Session

BCC: PATRIA HALL

13:00-13:40 **ECVS Exam - what to expect**
J. Kümmerle, L. Theyse

BCC: BARTOK I-II

13:40-15:40 **Clinical case-based exam expectations**
J. Kümmerle



Thursday, 4 July

Main Programme

BUDAPEST CONGRESS CENTRE (BCC)

15:00-16:30 **Registration**

Opening Session - State of the Art

BCC: PATRIA HALL

Chair: D. Brockman

16:30-17:30 **New methods in elective orthopaedic musculoskeletal surgery**

G. Szöke

Resident Forum

BCC: BARTOK I-II

Chair: R. Smith

17:45-18:00 **Ex vivo Modelling of the Airflow Dynamics and Two- and Three-dimensional Biomechanics of Prosthetic Laryngoplasty Suture Placements in the Equine Larynx**

N. Lynch

Discussant: O. Brandenberger

18:00-18:15 **Evaluation of Four Techniques for Injection of the Proximal Interphalangeal Joint (PIPJ) in Horses**

M. Mereu

Discussant: M. Oosterlinck

18:15-18:30 **The occurrence of radiocarpal joint perforation during carpal sheath tenoscopy using two different tenoscopic approaches**

S. Skov Hansen

Discussant: M. Smith

18:30-18:45 **Neurovascular variations in the proximal plantar metatarsal region of the horse**

P. Milner

Discussant: A. Bathe

18:45-19:00 **Serum amyloid A and plasma fibrinogen concentrations in horses following emergency exploratory celiotomy.**

MJ De Cozar

Discussant: S. Jacobsen

Look outside the box: The Programme Committee recommends the following lectures from the Small Animal Resident Forum:

Are postoperative antimicrobials necessary to maintain an acceptable SSI rate in canine clean orthopedic and neurosurgeries?

K. Piirainen, 17:45-18:00, Liszt I-III

Comparison of the different supports used in veterinary medicine for pressure sore prevention and the identification of the most affected anatomical zones

J. Caraty, 18:00-18:15, Gallery Corridor



Friday, 5 July

In-depth: Equine Laparoscopy

BCC: BARTOK I-II

Chair: D. Verwilghen

08:30-08:55 **Updates on techniques and equipment for equine laparoscopy anno 2019**

D. Hendrickson

08:55-09:15 **Closure of normal and abnormal abdominal openings part I: inguinal and nephrosplenics**

H. Wilderjans

09:15-09:35 **Closure of normal and abnormal abdominal openings part II: epiploic foramen and mesenteric rents**

Th. Van Bergen

09:35-09:50 **Hand assisted laparoscopic techniques - is there any benefit?**

M. Roecken

09:50-10:20 **Out of the box and top tips for challenging laparoscopic procedures**

D. Hendrickson

10:20-10:30 **Discussion**

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

Orthopaedic Short Communications

BCC: BARTOK I-II

Chair: M. Schramme

11:00-11:15 **Arthroscopic articular cartilage resurfacing with self-attaching in-situ forming conjugated hydrogels; an in-vitro research model development in the horse.**

N. Vos

11:15-11:30 **Neutrophil Gelatinase-Associated Lipocalin (NGAL) for Detection of Septic and Aseptic Joint Inflammation**

S. Jacobsen

Treating weight-bearing joint cartilage, is it feasible?

BCC: LEHAR I-III

Chair: Sh. Laverty

08:30-08:55 **Grading osteoarthritis and decision making in cartilage repair - Cell therapy in OA**

M. Hurtig

08:55-09:20 **Trauma and training in the development of osteoarthritis**

M. Hurtig

09:20-09:45 **Joint resurfacing in humans: what is done and what are we working on**

L. Hangody

09:45-10:05 **Resurfacement of the weight-bearing surface in horses: What are the possibilities and outcomes in 2019?**

G. Bodó

10:05-10:20 **Joint injections in Humans. Evidence and Experience with steroids, HA and other preperates**

G. Vászrhelyi

10:20-10:35 **Joint injections in Horses. Evidence and Experience with steroids, HA and other preparations**

L. Smith

10:35-10:45 **Discussion**

10:45-11:00 **COFFEE BREAK**

Look outside the box: The Programme Committee recommends the following lectures from today's Small Animal programme:

Video-assisted thoracic surgery: principles

08:30-10:30, Liszt I-III



Friday, 5 July (cont'd)

Orthopaedic Short Communications (cont'd)

- 11:30-11:45 **Fibromodulin neo-epitope assay is a sensitive indicator of joint disease in horses**
P. Brink
- 11:45-12:00 **Tibial Fracture Repair Using an Angle-Stable Interlocking Nail in Two Calves**
L. Déjardin
- 12:00-12:15 **Osteochondral fragmentation of the cervical articular process joints in a population of horses with cervical pain and/or ataxia.**
RA Parker
- 12:15-12:30 **A Simplified Arthroscopic Approach to the Caudal Pouches of the Equine Lateral Femorotibial Joint**
BM Bladon
- 12:30-14:00 **LUNCH BREAK**

Lunch time sessions

BCC: FORTUNA (1ST FLOOR)

- 12:45-13:45 **Meet the Expert: Intra-Articular joint injections pharmaceutical and biological treatments**
M. Hurtig, L. Smith

BCC: PATRIA HALL

- 13:15-14:15 **Information session for Residents and Supervisors: Credentials and the new submission platform**
E. Comerford, S. Etchepareborde, M. Wilke

Optimising Imaging

BCC: LEHAR I-III

- Chair: A. Fiske-Jackson
- 11:00-11:15 **Optimising radiation safety in surgery**
V. Busoni
- 11:15-11:30 **Technical aspects of CT assisted surgery**
J. Kümmerle
- 11:30-11:45 **Update on radiating imaging equipment current and future perspectives**
V. Busoni
- 11:45-12:00 **Update on ultrasonographic imaging techniques**
F. Geburek
- 12:00-12:30 **Think horse be prepared for zebra: image reading and cognitive bias**
V. Busoni
- 12:30-12:45 **Challenging Xray readings**
V. Busoni
- 12:45-13:00 **Discussion**
- 13:00-14:00 **LUNCH BREAK**

BCC: BRAHMS I-II

- 13:00-14:00 **Panel discussion: My infection rate is high: what should I do?**
S. Weese, D. Verwilghen, W. Brehm



Friday, 5 July (cont'd)

Advances in enhancing orthopaedic healing

BCC: BARTOK I-II

Chair: J. Kümmerle

14:00-14:20 **Update on orthopaedic implants: what's on the horizon?**

Ch. Lischer

14:20-14:40 **Neck fractures and fusions: what to use?**

F. Rossignol

14:40-15:00 **Osseous cyst: fill, drill or screw?**

A. Fürst

15:00-15:20 **Managing manica flexoria injuries**

A. Fiske-Jackson

15:20-15:40 **Fracture fixations and arthrodesis in the shoulder region**

AM Cruz

15:40-16:00 **Discussion**

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

Look outside the box: The Programme Committee recommends the following lectures from today's Small Animal programme:

Orofacial Trauma Surgery

14:30-16:15, Patria Hall

Sentinel lymph node: where are we? State of the art presentation

H. Brissot

15:30-16:00, Gallery Corridor



Short Communications Soft Tissue

BCC: LEHAR I-III

Chair: D. Archer

14:00-14:15

Topical skin adhesive and knotless barbed absorbable material for ventral equine abdominoplasty: a comparative clinical study

O. Lepage

14:15-14:30

Bidirectional knotless barbed versus conventional smooth suture for closure of surgical wounds in inguinal castration in horses

DM Top Adler

14:30-14:45

Incisional complication in post-celiotomy horse patients: Can ultrasonography aid an early diagnosis?

C. Pressanto

14:45-15:00

Monitoring of routine hygiene management in an equine hospital

St. Speck

15:00-15:15

Evaluation of two surgical hand disinfection procedures in a university equine hospital

T. Rocktäschel

15:15-15:30

High multi-drug resistance in catheter-related infections, surgical site infections and skin wounds from horses.

CM Isgren

15:30-15:45

Recurrent Nephrosplenic Entrapment : Comparison of short-term and long-term outcome of laparoscopic nephrosplenic space closure with barbed knotless suture in horses with (6) or without (6) nephrosplenic entrapment at the time of surgery.

T. de Beauregard

15:45-16:00

Minimal invasive technique to resolve impactions of the small colon.

LP Lamas

16:00-16:30

COFFEE BREAK

General Short Communications

BCC: BARTOK I-II

Chair: C. Tessier

16:30-16:45 **Preliminary assessment of risk factors for post anaesthetic pulmonary oedema in adult horses**

G. Kelmer

16:45-17:00 **Use of Positive Contrast Radiography to Assess for Synovial Infection in Horses with Limb Wounds**

DM Bolt



Friday, 5 July (cont'd)

General Short Communications (cont'd)

- 17:00-17:15 **Arthrodesis of the Equine Proximal Interphalangeal Joint: A Biomechanical Comparison of Two Different Systems Containing an Axial Locking Compression Plate and Two Abaxial Transarticular Cortical Screws**
A. Vidovic
- 17:15-17:30 **Usefulness of a short magnetic resonance imaging protocol as a surgical planning tool for dental and sinonasal diseases in the horse**
FJ López-Sanromán
- 17:30-17:45 **In-vitro evaluation of adjustable prosthesis with stress reducing washers for arytenoid cartilage abduction in horses**
P. Espinosa-Mur
- 17:45-18:00 **Evaluation of the significance of arthropathy of the cervical facet joints in horses**
J. Koenig

ECVS Annual Business Meeting (mandatory for Diplomates)

BCC: PATRIA HALL

- 18:10-19:30 **ECVS Annual Business Meeting**
D. Brockman

Orthopaedic Short Communications

BCC: LEHAR I-III

- Chair: L. Rubio-Martinez
- 16:30-16:45 **Bilateral change in pressure distribution in horses with unilateral forelimb lameness before and after positive diagnostic anaesthesia – a case study**
J. Hoffmann
- 16:45-17:00 **Comparison of two different techniques for analgesia of the deep branch of the lateral plantar nerve in horses**
F. Cantatore
- 17:00-17:15 **Tearing of the palmar aspect of the intersesamoidean ligament as primary pathology of the digital tendon sheath: an endoscopic diagnosis in two horses**
A. Bathe
- 17:15-17:30 **Do Locally Administered Antibiotics Reach Growth Cartilage Canals?**
B. Wormstrand
- 17:30-17:45 **Inter-evaluator and intra-evaluator reliability of kinematic variables obtained by an extremity-mounted inertial measurement unit system in sound horses at the trot under soft and hard ground conditions and treadmill exercise**
AM Cruz
- 17:45-18:00 **Subjective scoring of equine back mobility: the inter-rater reliability.**
TJP Spoomakers

Residents' Talk & Discussion

BCC: LEHAR I-III

- 18:10-19:30 **Get the most out of imaging: 50 shades of grey for surgical residents**
V. Busoni

FREE EVENING



Orthopaedic Short Communications

BCC: BARTOK I-II

Chair: L. Lamas

- 08:30-08:45 **ACVS RESIDENT AWARD: Effects of Screw Size & Approach in Simulated Medial Condylar Fractures**
C. Sandow
- 08:45-09:00 **MRI-Findings in Relation to Diagnostic Anesthesia – Observations in 88 Cases of Distal Limbs Pathology**
M. Waselau
- 09:00-09:15 **18F-Sodium Fluoride Positron Emission Tomography findings of the equine tarsal and proximal metatarsal regions**
P. Espinosa-Mur
- 09:15-09:30 **The use of an aiming device and computed tomography for treatment of articular pedal bone fractures in horses**
MA Jackson
- 09:30-09:45 **Computed tomographic assessment of 110 fractures of the distal condyles of the third metacarpal/metatarsal bones (condylar fractures) in a clinical setting in 103 Thoroughbred racehorses**
W. Barker
- 09:45-10:00 **A comparative study of the ultrasonographic examination, magnetic resonance imaging and histology of the equine meniscus - preliminary findings**
J. Dubuc
- 10:00-10:30 **COFFEE BREAK**

Vascular Surgery

BCC: LEHAR I-III

Chair: A. Martens

- 08:30-08:50 **Translating interventional vascular surgery from human to equine.**
Z. Szeberin
- 08:50-09:10 **Embolization under fluoroscopy**
O. Lepage
- 09:10-09:30 **Femoral artery thrombectomy**
A. Rijkenhuizen
- 09:30-09:50 **State of the Art Hamostasis and vascular anastomoses**
Z. Szeberin
- 09:50-10:00 **Discussion**
- 10:00-10:30 **COFFEE BREAK**

Look outside the box: The Programme Committee recommends the following lectures from today's Small Animal programme:

Meniscal repair: Is it feasible?

A. Pozzi

11:15-11:45, Patria Hall



Traumatic Wounds

BCC: BARTOK I-II

Chair: O. Lepage

- 10:30-10:45 **Hydro-surgical debridement tools: worth the investment?**
D. Gorvy
- 10:45-11:00 **How can we use tension relief techniques to aid primary intention healing?**
D. Gorvy
- 11:00-11:15 **Reconstructive flaps in equine traumatology**
D. Hendrickson
- 11:15-11:35 **Promoting second intention wound healing: dressings, novel physical methods. What's the evidence?**
S. Jacobsen
- 11:35-11:55 **The Modified Meek Technique – where are we now?**
J. Wilmink
- 11:55-12:15 **Antimicrobial use in traumatic wounds: local and/or systemic?**
C. Isgren
- 12:15-12:30 **Discussion**
- 12:30-14:00 **LUNCH BREAK**

Lunch time sessions

BCC: LISZT I-III

- 13:00-13:30 **For supervisors: Managing my generation X Residents**
C. Crowe
- 13:30-14:00 **For residents: Performing under pressure: how to give yourself the best chance to pass the exam**
C. Crowe

Microbiology - Surgical Hygiene

BCC: LEHAR I-III

Chair: W. Brehm

- 10:30-10:40 **Surgical Site Infection Definitions: why are they important?**
D. Verwilghen
- 10:40-11:10 **Surgical infections: sampling and sampling results, what do they mean?**
S. Weese
- 11:10-11:25 **Maximizing identification of bacteria in equine synovial and other body fluid samples**
F. Pille
- 11:25-12:05 **Emergent and endemic multidrug resistant bacteria in equine surgical patients**
S. Weese
- 12:05-12:25 **Patient preparation protocols - can they be improved?**
D. Verwilghen
- 12:25-12:40 **Discussion**
- 12:40-14:00 **LUNCH BREAK**

BCC: FORTUNA (1ST FLOOR)

- 12:45-13:45 **Meet the Expert: Laparoscopy: avoiding and managing complications**
D. Hendrickson

BCC: BARTOK I-II

- 13:00-14:00 **Publishing in Veterinary Surgery: Updates and tips**
D. Griffon



The Navicular Region

BCC: BARTOK I-II

Chair: R. Bell

14:00-14:20 **A clinical approach to the diagnostic puzzle of misleading foot cases**

M. Oosterlinck

14:20-14:35 **Atypical and hindlimb navicular problems**

F. Pille

14:35-14:50 **Radiographic assessment of the navicular bone and its relation to prognosis**

M. Schramme

14:50-15:30 **Imaging the navicular region in the lame horse**

V. Busoni

15:30-15:45 **Managing navicular bone fractures**

J. Kümmerle

15:45-16:00 **Treating navicular disease**

M. Oosterlinck

16:00-16:10 **Discussion**

16:10-16:30 **COFFEE BREAK**

Look outside the box: The Programme Committee recommends the following lectures from today's Small Animal programme:

Comparison of different suture needle, type and pattern on initial intestinal leakage pressure after enterotomy closure: An experimental study in pigs

A. Fournet

16:30-16:45, Liszt I-III



Clinical Evidence Topics: What is the Evidence for?

BCC: LEHAR I-III

Chair: S. Jacobsen

14:00-14:20 **Polymixin B: what is the evidence for its use in the surgical colic patient?**

D. Archer

14:20-14:40 **Type of surgical drapes**

D. Verwilghen

14:40-15:00 **Is there evidence for oral faecal trans-faunation in the management of post operative colics?**

L. Lamas

15:00-15:20 **IVRP: does it really fight infection?**

L. Rubio-Martinez

15:20-15:40 **What's the evidence to support intra/periarticular facet joint injections of the neck and back?**

S. Boys-Smith

15:40-16:00 **Discussion**

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



Poster Session

BCC: BARTOK I-II

POSTERS ON DISPLAY THURSDAY THROUGH SATURDAY

Chair: D. Verwilghen, L. Lamas

16:30-17:30

During Friday, 8 posters will be selected for presentation.

All authors should stand by their poster during the Friday morning and afternoon coffee breaks. The authors will be informed on Friday by email whether their poster has been selected for presentation. Additionally, these posters will be marked with an **Accepted for presentation** sticker.

For the poster presentation, authors should prepare **4 slides** with the headings 1) title and objectives, 2) materials and methods, 3) results, and 4) discussion.

Investigation of the load distribution pattern in laminitic horses using Hoof™ System

M. Al Naem

The use of computer-assisted equine locomotor assessment in breed-related differences in clinical presentation of proximal suspensory desmitis

W. Back

Development of a standardized and repeatable protocol to obtain highly concentrated platelet rich plasma for horses

G. Cuevas Ramos

Prognosis and Complications after Autologous Implantation as a treatment for Aggressive Equine Sarcoids (35 horses) - Three cases of Sarcoid Growth at Implantation site

T. de Beauregard

Partial aneurysmectomy and autologous patch venoplasty of the jugular vein in a horse

E. De Clercq

Subluxation of the elbow joint in cattle - a case series

D. Devaux

Diagnostic and surgical approach for metallic foreign bodies in the tongue of horses

J. Ensink

Ear canal stenosis in a foal: CT evaluation and Zepp surgery

LJ Ezquerria Calvo

Accumulation of amikacin in synovial fluid when given in combination with dexamethasone in intravenous regional limb perfusion in standing horses

K. Gustafsson

Accumulation of Metronidazole in Synovial Fluid Following Regional Limb Perfusion in Standing Horses

K. Gustafsson

The use of medical grade honey as a prophylactic local antimicrobial in equine long bone fracture repair

K. Gustafsson

Successful repair of diaphragmatic hernia with simultaneously performed thoracotomy and median laparotomy in a horse

S. Izing

Postoperative fever in horses How to know if it is piroplasmosis?

LP Lamas

Locomotor pattern of horses after a constant rate infusion of medetomidine alone or combined with morphine and/or ketamine for standing procedures

FJ López-Sanromán

Conservative treatment of comminuted fracture of fourth carpal bone in a yearling Arabian mare

B. Obrochta

Equine PRP: Quality assessment after storage and different methods of activation on growth factors bioavailability

C. Saban



Saturday, 6 July (cont'd)

Posters (cont'd)

**Anatomical variation of the occipital crest in young Dutch Warmblood horses:
A radiographic study.**

CJ Scheffer

**Comparison of the length and width of the linea alba in the standing and dorsal
recumbent horse**

M. Verkade

**Creation of a standard lesion in the articular cartilage of the rabbit by
arthroscopic approach; introduction an operating cradle to standardise the
procedure**

N. Vos

Patellar Ligament Desmopathy in Sports Horse Hind-limb Push-off Lameness

L. Wright

**Carbon-nanotube-chitosan-hydroxyapatite composite enriched or not with
mesenchymal stem cells for potential use in bone defects - Experimental study**

A. Zoppa

Closing Session - State of the Art - Jörg Auer Lecture

BCC: PATRIA HALL

Chair: M. Schramme

17:45-18:30

Jörg Auer Lecture: Why EQ trumps ego

C. Crowe

18:30-19:00

Awards and Closing Remarks

M. Schramme

Farewell

EUROPA BOAT

19:30-02:00

Farewell reception

