

Large Animal Programme
27th Annual Scientific Meeting
July 5-7, 2018



Wednesday, 4 July

Thursday, 5 July

Pre-Congress Labs

HORSERACES SA EQUINE VETERINARY CLINIC

08:00-17:30 **Management of specific fractures in foals**
C. Lischer, A. Fürst, M. Smith, A. Ruggles

HORSERACES SA EQUINE VETERINARY CLINIC

08:00-13:00 **Refresher course on intestinal anastomosis for Diplomates**
D. Freeman

ATHENAEUM INTERCONTINENTAL, YPSILON 3 (-1 LEVEL)

08:00-12:00 /
13:00-16:00 **Veterinary Practice Business Management** - lecture sponsored
by Oculus Insights
R. Kieboom, J. Loomans

Thursday, 5 July

Resident Session

ATHENAEUM BALLROOM I (CASE-BASED EXAM EXPECTATIONS: OMIKRON, -1 LEVEL)

13:00-13:40 **ECVS Exam - what to expect**
T. Witte, L. Theyse

13:40-15:40 **Clinical case-based exam expectations**
Exam Committee

Main Programme

-1 LOBBY

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



Thursday, 5 July

Opening Session - State of the Art

ATHENAEUM BALLROOM II+III (-2 LEVEL)

Chair: R. Smith

16:30-17:30

History of the Art of Surgery

J. Auer

Resident Forum

ATHENAEUM BALLROOM I (-2 LEVEL)

Chair: M. Schramme

17:45-18:00

Surgical Enlargement of the Nasomaxillary Aperture and Transnasal Conchotomy of the Ventral Conchal Sinus: Combining two surgical techniques to improve sinus drainage in 6 equine cadaver specimens

F. Bach

Discussant: D. Verwilghen

18:00-18:15

In Vitro Evaluation of the Mechanical and Physical Properties of the Forwarder Knot Exposed to Fluid Media Using Large Gauge Suture

L. McGlinchey

Discussant: J. Kümmerle

18:15-18:30

Axial Skeleton/Pelvic Osteomyelitis in Foals: Diagnostic Utility of CT, Treatment and Outcome: 6 cases

L. Wright

Discussant: M. Smith

18:30-18:45

Thoracotomy with rib resection for experimental access to the heart in horses

D.M. Top Adler

Discussant: A. Rijkenhuizen

18:45-19:00

Metabolite profiling of synovial fluid as an early predictor for palmar osteochondral disease in the Thoroughbred racehorse

R. Graham

Discussant: P. Clegg

19:00-19:15

Comparison of morphological changes and tactile sensitivity of the pharynx and larynx between four standing sedative and analgesic protocols in 8 adult healthy horses

G. Manneveau

Discussant: F. Rossignol

19:15-19:30

Radiographic and arthroscopic features of third carpal bone slab fractures and the impact on racing performance following arthroscopic repair in a population of racing Thoroughbreds in the UK

Ch. Baldwin

Discussant: J. Kidd



Friday, 6 July

Advances in Clinical Arthrology

ATHENAEUM BALLROOM I (-2 LEVEL)

Chair: B. Bladon

08:30-08:55 **Current and future role of CT for diagnosis of joint disease**

C. Kawcak

08:55-09:20 **MRI of the equine stifle - technique and usefulness**

M. Waselau

09:20-09:35 **Optimising your arthroscopic procedure by positioning and approaches**

O. Crowe

09:35-10:00 **Arthroscopy in camelids**

D. Anderson

10:00-10:20 **Cartilage defect resurfacing: something we should consider?**

C. Kawcak

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

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

Orthopaedic Short Communications

ATHENAEUM BALLROOM I (-2 LEVEL)

Chair: P. Clegg

11:00-11:15 **Cytokine and growth factor release from normal equine suspensory ligament explants cultured with platelet-rich gel supernatants**

C. Castillo Franz

11:15-11:30 **Evaluation of dynamic serum amyloid A changes in equine septic synovitis**

A. Florczyk

Short Communications

OMIKRON (-1 LEVEL)

Chair: A. Rijkenhuizen

08:30-08:45 **Descriptive study of the use of teletherapy in non-cutaneous tumours**

A. Gillen

08:45-09:00 **Histological examination of the interspinous ligament in horses with overriding dorsal spinous processes**

A. Ehrle

09:00-09:15 **MAPK activation can modulate the glycocalyx injury secondary to intestinal ischemia/reperfusion**

G. Marañón

09:15-09:30 **A comparison of two skin closure techniques on the prevalence of incisional complications following emergency abdominal surgery in horses**

G. Oreff

09:30-09:45 **Description of the Anatomical Appearances of Infundibula in Maxillary Cheek Teeth using Computed Tomography Compared with Oral Examination in Different Age Groups of Horses**

D.C. Vemming

09:45-10:00 **Choanal atresia treated with membranous ablation and septal removal in 9 horses**

P. Brink

10:00-10:15 **Retrospective analysis of 145 Epiploic Foramen Entrapment colic surgeries in a referral hospital on the European continent (2008-2016)**

Th. van Bergen

10:15-10:30 **Functional assessment of combined laryngeal reinnervation and pacing for unilateral vocal fold paralysis in naturally affected horses - a long term study**

C.I. Mespoulhès-Rivière

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

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

What's wrong with my bulldog? – Ethical and quality of life issues concerning brachycephalic dogs

P. Sandøe

(08:30-09:00, Athenaeum Ballroom II)



Friday, 6 July (cont'd)

- 11:30-11:45 **Arthrocentesis and arthroscopic exploration of the dorsal aspect of the radiocarpal and intercarpal joints in the Dromedary Camel**
M. Schambourg
- 11:45-12:00 **Standing MRI for surgical planning of equine fracture repair**
M. Genton
- 12:00-12:15 **Development of a linear diode array and x-ray fan beam to acquire standing images of the equine pelvic region with volumetric imaging potential**
A. Biedrzycki
- 12:15-12:30 **The problem of pin breakage in equine transfixation pin casting: biomechanical ex vivo testing of four different pins**
J.M. Kümmerle
- 12:30-14:00 **LUNCH BREAK**
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The Pre- and Post-Operative Care of the Patient

OMIKRON (-1 LEVEL)

- Chair: D. Verwilghen
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- 11:00-11:15 **Pre-operative medical evaluation: Heart, kidneys and liver. Key points and recent advances.**
B. Dunkel
- 11:15-11:30 **Post-Operative Acute Kidney Injury: Is it an issue?**
G. van Galen
- 11:30-11:50 **The use of colloids in surgery and anesthesia**
G. van Galen
- 11:50-12:10 **Early detection of post-operative complications: infection and endotoxaemia: What's new?**
B. Dunkel
- 12:10-12:35 **Use of NSAIDs and steroids in the critically ill patient**
G. van Galen
- 12:35-12:50 **Discussion**
- 12:50-14:00 **LUNCH BREAK**
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Lunch time sessions

ATHENAEUM BALLROOM III (-2 LEVEL)

- 13:15-13:45 **Information session for Residents and Supervisors: Credentials / Grants / Exam**
M. Wilke

SIGMA (-2 LEVEL)

- 13:00-14:00 **Meet the Expert: How diagnostic techniques can guide medication for joint disease**
C. Kawczak



Friday, 6 July (cont'd)

Gastro-Intestinal

ATHENAEUM BALLROOM I (-2 LEVEL)

Chair: S. Grulke

- 14:00-14:15 **Imaging the abdomen in pre and post op situation**
G. van Galen
- 14:15-14:35 **Relaparatomy: when is it indicated and how does it affect outcome**
D. Freeman
- 14:35-15:05 **Minimising complications during GI surgery**
D. Freeman
- 15:05-15:25 **Closing the abdominal wound: a metanalysis**
D. Archer
- 15:25-15:45 **Critical care of the sick horse following surgery for colic**
B. Dunkel
- 15:45-16:00 **Discussion**
- 16:00-16:30 **COFFEE BREAK**

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

How can human oncology help pets?

N. Bacon

How can veterinary oncology help people?

W. Eward

Overview and discussion

J. Kirpensteijn

(14:30-16:30, Ypsilon, -1 level)



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

New medical treatment strategies in osteoarthritis

E. Comerford

Joint resurfacing - where are we now? J. Innes

E. Eberspächer-Schweda

(14:30-16:00, Athenaeum Ballroom III, -2 level)



Short Communications

OMIKRON (-1 LEVEL)

Chair: C. Lischer

- 14:00-14:15 **High multi-drug resistance in third generation cephalosporin resistant E. coli isolated from horses at five equine hospitals in the UK**
C.M. Isgren
- 14:15-14:30 **Clinical diagnosis of equine sarcoids: accuracy assessment against histopathology and the development of a diagnostic protocol**
M. Haspeslagh
- 14:30-14:45 **Management of Equine Ataxia Caused by Cervical Vertebral Stenotic Myelopathy – A European Perspective**
M. Waselau
- 14:45-15:00 **Racing performance following laryngeal tie-forward and soft palate thermocautery in National Hunt Thoroughbred racehorses**
M. Koskinen
- 15:00-15:15 **Does fasting reduce the risk of post-anaesthetic colic in horses?**
R.M.A. Haralambus
- 15:15-15:30 **Randomized Control Trial Comparing Flunixin Meglumine and Firocoxib in Equine Small Intestinal Strangulating Obstruction**
A. Blikslager
- 15:30-16.00 **COFFEE BREAK**



Friday, 6 July (cont'd)

General Short Communications

ATHENAEUM BALLROOM I (-2 LEVEL)

Chair: L. Lamas

- 16:30-17:15 **Surgical management of lameness in camelids**
D. Anderson
- 17:15-17:30 **Arthroscopic Approach and Intra-Articular Anatomy of the Equine Atlantooccipital Joint**
L. Wright
- 17:30-17:45 **Surgical management of foreign body obstruction of the small and large colons in 29 equids (2004-2016)**
G. Oreff
- 17:45-18:00 **Leucocyte-Rich and Leucocyte-Poor Platelet Concentrates for the Treatment of Equine Intra-Synovial Pathology – a Clinical Follow-Up of 70 Cases**
A.P. Bathe

ECVS Annual Business Meeting (mandatory for Diplomates)

ATHENAEUM BALLROOM III (-2 LEVEL)

- 18:10-19:30 **ECVS Annual Business Meeting**
R. Smith

Residents' Talk & Discussion

OMIKRON (-1 LEVEL)

- 18:10-19:30 **Setting Expectations in Equine Sports Medicine Practice**
C. Kawcak

FREE EVENING



Saturday, 7 July

Orthopaedic Short Communications

ATHENAEUM BALLROOM I (-2 LEVEL)

Chair: A. Fürst

08:30-08:45

Septic Arthritis/Osteomyelitis in Foals May Lead to Osteochondral lesions

B. Wormstrand

08:45-09:00

Use of a non-resorbable bi-layered implant for joint resurfacing in the treatment of deep osteochondral defects

H. Brommer

09:00-09:15

ACVS RESIDENT AWARD: Evaluation of the Effect of Water Temperature on Fiberglass Cast Strength

M. Perez Nogues

09:15-09:30

Humeral fracture intramedullary, interlocking nail and plate fixation in 15 horses less than 1 year of age (1999-2013)

K. Glass

09:30-09:45

Neurectomy of the Deep Branch of the Lateral Palmar Nerve As a Treatment for Chronic Equine Forelimb Proximal Suspensory Desmitis: 23 Cases

A.P. Bathe

09:45-10:00

Detection of synovial sepsis in horses with a novel hand-held fast enzyme assay

R.M.A. Haralambus

10:00-10:30

COFFEE BREAK

Essential Science for the Greedy

YPSILON (-1 LEVEL)

How can reflecting on our work improve our practice?

Chair: M. Cariou

08:30-09:00

Auditing medicine - the human perspective

W. Eward

09:00-09:30

Auditing medicine - the veterinary perspective

M. Brennan

09:30-10:00

Checklists in use - experience before and after implementation

M. Dimopoulou

10:00-10:30

Ethical limits to surgery - Dilemmas in advanced surgical practice

P: Sandøe

10:30-11:00

COFFEE BREAK

Study Design and Statistics Made Simple

Chair: S. Corr

11:00-11:30

Evidence-based veterinary medicine - putting research into practice

M. Brennan

11:30-12:00

Statistics made simple

M. Brennan

12:00-12:30

Biomechanics made easy for the orthopaedic surgeon

P. Lafuente

12:30-13:00

Discussion

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

Update on the use of PRP

S. Bureau

Update on suture anchors

S. Jauernig

Update on 3D printing and surgical planning

B. Oxley

(08:30-10:15, Athenaeum Ballroom III, -2 level)



Ruminant Surgery

OMIKRON (-1 LEVEL)

Chair: T. Spoormakers

08:30-08:50

Surgery of the bovine digit

K. Nuss

08:50-09:10

Fracture treatment in calves

A. Steiner

09:10-09:30

Fracture repair in young camelids

D. Anderson

09:30-09:50

Fracture repair in adult camelids

D. Anderson

09:50-10:00

Discussion

10:00-10:30

COFFEE BREAK



Saturday, 7 July (cont'd)

All About the Foal

ATHENAEUM BALLROOM I (-2 LEVEL)

Chair: J. Boswell

- 10:30-10:50 **Foal fractures - current state of treatment**
A. Ruggles
- 10:50-11:10 **Computed tomographic assesment of septic arthritis and osteomyelitis**
C. Lindegaard
- 11:10-11:30 **Diagnosis and management of physeal infections in foals**
A. Ruggles
- 11:30-11:50 **Dynamics of Developmental Orthopedic Disease: what makes the stifle different and which are the practical consequences?**
R. van Weeren
- 11:50-12:15 **Current views and experiences on the managment of angular limb deformaties**
A. Ruggles
- 12:15-12:30 **Discussion**
- 12:30-14:00 **LUNCH BREAK**

Lunch time sessions

SIGMA & DELTA (-1 LEVEL)

- 12:45-13:45 **Panel Discussion: Optimizing care for colic patients. What can we do better**
D. Freeman, D. Archer, G. van Galen, B. Dunkel

OMIKRON (-1 LEVEL)

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

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

General vascular and microvascular surgery: principles and equipment

G. Chanoit

Microvascular free tissue transfer: clinical applications

A. Jackson

Flap reconstruction: complications and mistakes

A. Jackson

(08:30-10:45, Athenaeum Ballroom I, -2 level)



Saturday, 7 July (cont'd)

Injury Prevention and Biological Therapies

ATHENAEUM BALLROOM I (-2 LEVEL)

Chair: A. Cruz

- 14:00-14:25 **Adaptive training in the prevention of injuries: a human learning curve**
U. Hartmann
- 14:25-14:50 **Stem cell treatment - how can we influence efficacy and direction of cell based therapy**
C Kawcak
- 14:50-15:10 **Routes of administration of stem cells: intralesional, intraarticular, vascular routes; does it make any difference?**
C. Kawcak
- 15:10-15:25 **What can we learn from fetal regeneration**
F. Jenner
- 15:25-15:45 **Regenerative medicine in orthopaedic practice - what have we learned from clinical cases?**
R. Smith
- 15:45-16:00 **Discussion**
- 16:00-16:30 **COFFEE BREAK**
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Clinical Evidence Topics: What is the Evidence for?

OMIKRON (-1 LEVEL)

Chair: M. Schramme

- 14:00-14:20 **The use of antibiotics in equine laparotomies**
D. Archer
- 14:20-14:40 **The use of intra-abdominal carboxymethylcellulosis**
S. Grulke
- 14:40-15:00 **Caps and Masks in the surgical theater**
D. Verwilghen
- 15:00-15:20 **Biphosphonates in equine orthopaedics**
M. Jackson
- 15:20-15:40 **LCP or DCP for long bone fracture**
A. Fürst
- 15:40-16:00 **General discussion**
- 16:00-16:30 **COFFEE BREAK**
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Saturday, 7 July (cont'd)

Poster Session

ATHENAEUM BALLROOM I (-2 LEVEL)

POSTERS ON DISPLAY IN OMEGA / LAMDA / VIP (-2) THURSDAY THROUGH SATURDAY

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.

In vitro effect of platelet-rich plasma on histology characteristics of the suspensory ligament of horses

C.A. Castillo Franz

Case series of 10 horses diagnosed with monorchidism based on clinical findings from exploratory laparotomy or standing laparoscopy

P. Clements

Complete resection of the alar folds in the standing horse

F. David

Caudal maxillary sinusitis associated with supernumerary cheek teeth in three horses

C. de Fourmesttraux

Mycotic rhinitis and paranasal sinusitis in six horses (2013-2017)

C. de Fourmesttraux

Surgical treatment of a depressed, comminuted zygomatic arch fracture in a Thoroughbred colt foal using a locking compression plate

A. Derham

Nosocomial infections with multi-resistant bacteria in colic patients

A. Florczyk

Increased regional limb perfusion volume improves antibiotic concentrations in synovial and interstitial fluid

J. Godfrey

Successful culture of equine intestinal stem cells following delayed sample storage

L. Gonzalez

Periosteal rotational flaps in primary repair of equine sinofacial fractures: A report on 7 cases

K. Gustafsson

Clinical findings and management of 7 cases with subtendinous bursitis of the long digital extensor tendon in the fetlock

M. Iglesias Garcia

Comparison of a clamped with a non-clamped drill guide for drilling equine 3rd metacarpal/tarsal condyles

O. James

Concentration of dipotassium ethylenediaminetetraacetic acid but not lithium heparin affects total protein determination in equine synovial fluid

P. Jimenez Rihuete

The search for an immune privileged allogeneic mesenchymal stem cell for use in equine medicine

L. Kamm

What are the factors associated with surgical site infection in horses? A prospective study: 2011-2013

G. Kelmer

Efficacy of faecal microbiota transplantation for treating acute colitis in horses following colic surgery

L.P. Lamas



Saturday, 7 July (cont'd)

Posters (cont'd)

Arthroscopic ultrasound technique for qualitative assessment of ligaments, meniscus, cartilage and subchondral bone in the cranial compartment of the medial femorotibial joint in 6 healthy adult horses

G. Manneveau

Recurrence of a paranasal osteoma following surgical removal in a 6-month-old Warmblood filly

L. McGlinchey

Single intra-articular injection of high concentrated hyaluronic acid - a pilot study in horses

S. Monteiro

Guillotine vs. pull-through technique for palmar digital neurectomy: A retrospective study on 40 horses

M. Oosterlinck

Investigation of blood serum amyloid A concentrations in horses to differentiate synovial sepsis from inflammation and determine prognosis and response to treatment

M. Sinovich

Successful treatment of equine Lyme borreliosis causing polyarthritis, uveitis and hyperesthesia

S. Sommerauer

Rheological characterization in synovial fluid of Thoroughbred and Warmblood horses with osteoarthritis

P. Tyrnenopoulou

Ultrasonographic evaluation of the normal equine linea alba

M. Verkade

Pressure algometry as a technique to quantify abdominal wall sensitivity in horses after ventral midline celiotomy

E.M.S. Visser

Closing Session - State of the Art - Jörg Auer Lecture

ATHENAEUM BALLROOM II+III (-2 LEVEL)

Chair: D. Brockman

17:45-18:30

Jörg Auer Lecture: The Transit of Hermes

D. Wewetzer

18:30-19:00

Awards and Closing Remarks

D. Brockman

Farewell

20:00-02:00

Farewell reception at Septem Privé



