



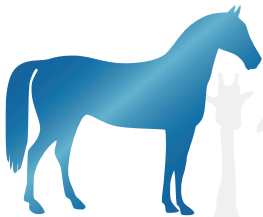
4th International

Equine Congress

Friday Freitag, 16.10.20 | 08:30 - 17:15

Saturday Samstag, 17.10.20 | 08:30 - 18:00

Estrel Saal A & B



Topic: Medicine of Sports Horses

Thema: Sportferdemedizin

an Event of the DVG-Subgroup Equine Medicine

eine Veranstaltung der DVG-FG Pferdekrankheiten

DVG

Vet-Congress Berlin 2020



4th International

Equine Congress

Scientific Chairs Wissenschaftliche Leitung

Prof. Dr. Michael Röcken michael.roecken@vetmed.uni-giessen.de

JLU Gießen | Klinikum Veterinärmedizin | Klinik für Pferde | Chirurgie & Orthopädie

Prof. Dr. Heidrun Gehlen heidrun.gehlen@fu-berlin.de

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Financial Support Unterstützung Stand Juni 2020



Speaker & Chairpersons ReferentInnen & Vorsitzende

A Dr. Mohamad Al Naem, Gießen

B Dr. Ann-Kristin Barton, Berlin | Matthias Bojer, Köln |
Prof. Dr. Walter Brehm, Leipzig | Prof. Dr. Janina Burk, Gießen

C Prof. Peter Clegg, Liverpool (UK)

D Dr. Uta Delling, Hannover | Dr. Anja Dörrzapf, Erding



Estrel Saal A & B

Friday Freitag - Saturday Samstag



Speaker & Chairpersons ReferentInnen & Vorsitzende

- F** Leonie Fingerhut, Hannover
- G** Prof. Dr. Heidrun Gehlen, Berlin
- H** Alina Hagen, Gießen | PD Dr. Rainer Hospes, Gießen
- K** Lena Kirmse, Berlin | Dr. Katharina Kirsch, Warendorf |
Dr. Carmen Claudia Klein, Bad Langensalza
- L** Dr. Henrike Lagershausen, Warendorf |
Prof. Dr. Jean-Pierre Lavoie, Montréal (CA)
- M** Dr. Marc Machnik, Köln | Dr. Gerit Matthesen, Grävenwiesbach |
Michaela Melzer, Gießen | Svenja Moeller, Bad Kissingen |
Malcolm Morley, Vajle (DK)
- P** Dr. Uwe Petermann, Melle
- R** Dr. Stephan Recknagel, Leipzig | Dr. Mark Revenaugh, Mulino, OR (USA) |
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Dordia Anindita Rotinsulu, Gießen
- S** Ann-Kathrin Schieder, Bad Kissingen | Sarah Schleich, Linsengericht |
Dr. Bianca Schwarz, Saarlouis | Prof. Dr. Harald Sieme, Hannover |
Dr. Jan Spaas, Gent (B) | Dr. Sabita Diana Stöckle, Berlin
- T** Dr. Irene Tosi, Liège (B) | Dr. Dagmar Trachsel, Berlin | Dorothea Treß, Wedel
- U** Mette Uldahl, Vajle (DK)
- V** Nicole Verhaar, Hannover | Dr. Dominique Votion, Liège (B) |
Dr. Emmanuelle von Erck, Waterloo (B)
- W** Prof. Dr. Axel Wehrend, Gießen



4th International Equine Congress

Welcome Grußwort

Prof. Dr. M. Röcken | Prof. Dr. H. Gehlen | Prof. Dr. J. Burk

A warm welcome to the 4th International Equine Congress 2020, organized by the German Veterinary Medical Society (GVMS-DVG)!

Berlin is calling again, and we are looking forward to stimulating days with a lively dialogue between veterinary practitioners, scientists and industry representatives working in the equine field. Building on the success of the previous meetings, this international congress provides a unique platform for continuing education and fruitful discussions across disciplines, aiming to continually push forward the state of the art in equine medicine.

This year's program focuses on the central topic "Medicine of Sports Horses", with all its fascinating facets relevant to equine practice. Invited lectures and panel discussions address training and musculature, orthopedics, regenerative therapies, airway and cardiac diseases, as well as reproduction in the context of athletic activity. Renowned speakers from all over Germany, Europe and North America will share their expertise in sessions that combine updates on clinical experiences with those on scientific progress in the area. These invited lectures are complemented by poster presentations on current scientific research in the equine field, chosen based on rigorous peer-review to ensure a high quality of all contributions.

We would like to express our thanks to all who contribute to the success of this congress: the speakers who we are very happy to welcome even from far abroad, as well as the participants who will fill this meeting with life and contribute their valuable experiences to the discussions. Last but not least, we are grateful for all sponsors who make this meeting possible, and look forward to the exhibition where the companies are prepared to present their latest products and developments.



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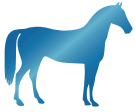


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Prof. Dr. Michael Röcken
Chair

Prof. Dr. Heidrun Gehlen
Chair

Prof. Dr. Janina Burk
Chair



Estrel Saal A & B
Friday Freitag, 16.10.20



Friday Freitag | 08:30 - 17:15
4th International Equine Congress Estrel Saal A & B



Invited Lectures: Training and performance



LIVESTREAM

- 08:30 *Congress Opening* Eröffnung
- 08:50 Examination of poor performance in sports horses *I. Tosi*
- 09:10 Exercises physiology and training success in the high performance sports horses *M. Bojer*
- 09:30 Training and performance monitoring in German elite eventing horses *K. Kirsch*
- 09:50 Fit to compete? What about the muscles? *D. Votion*
- 10:10 Exercise and immunity in sports horses *I. Tosi*
- 10:30 Discussion Diskussion
- 10:40 *Break & Industrial Exhibition* Pause & Besuch der VET-Messe

Invited Lectures: Orthopedic diseases of sports horses



- 11:10 Diagnosis and management of common orthopedic problems in western performance horses *M. Revenaugh*
- 11:40 Classical orthopedic diseases of show jumpers and event horses *P. Clegg*
- 12:10 Understanding problems of the fetlock in the competition horse *P. Clegg*
- 12:30 Discussion Diskussion
- 12:40 *Break & Industrial Exhibition* Pause & Besuch der VET-Messe



4th International Equine Congress

Friday Freitag | 08:30 - 17:15
4th International Equine Congress –
Continuation *Estrel Saal A & B*

Invited Lectures: Regenerative Therapies



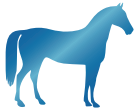
LIVESTREAM

- 14:00 Regenerative therapies in equine medicine:
overview and update *W. Brehm*
- 14:25 Mesenchymal stem cells: What they are and how they act *J. Burk*
- 14:40 Joint pathophysiology and therapeutic targets *I. Ribitsch*
- 14:55 Cell-based osteoarthritis therapies: lessons from large animal models *U. Delling*
- 15:25 Overview of regenerative therapy clinical field trials for treatment of joint disease
in horses *J. Spaas*
- 15:40 Discussion Diskussion
- 15:50 *Break & Industrial Exhibition Pause & Besuch der VET-Messe*

Invited Lectures and Panel Discussion: Regenerative Therapies



- 16:20 Orthobiologic therapies in sports horses –
current trends in the US and clinical experiences *M. Revenaugh*
- 16:50 Panel Discussion: Cell Therapies in Equine OA
- 17:15 *Closure Ende*



Estrel Saal A & B
Saturday Samstag, 17.10.20



Saturday Samstag | 08:30 - 18:00


4th International Equine Congress Estrel Saal A & B



Invited Lectures: Management of poor performance



LIVESTREAM

- 08:30 Upper airway diseases in high performance sports horses *E. v. Erck*
- 08:50 Subclinical lower airway diseases in high performance sports horses: Response to exercise and training *A.-K. Barton*
- 09:10 Rehab protocols for management of respiratory disease *E. v. Erck*
- 09:30 Arrhythmia, a real threat for horses during high performance? *D. Trachsel*
- 09:50 New approaches to equine asthma *J.-P. Lavoie* 
- 10:10 Discussion Diskussion
- 10:30 *Break & Industrial Exhibition Pause & Besuch der VET-Messe*

Invited Lectures: Reproduction and sports



- 11:00 Management von Hengsten im Sport – Was ist erlaubt/sinnvoll? *H. Sieme*
- 11:20 Rosseunterdrückung bei Sportstuten *A. Wehrend*
- 11:40 Sport und Trächtigkeit: Geht das? *R. Hospes*
- 12:00 Discussion Diskussion
- 12:20 Pre-purchase examination: how to build an examination from a European perspective *M. Uldahl / M. Morley*
- 13:05 *Break & Industrial Exhibition Pause & Besuch der VET-Messe*



4th International Equine Congress

Saturday Samstag | 08:30 - 18:00
4th International Equine Congress –
Continuation *Estrel Saal A & B*



LIVESTREAM

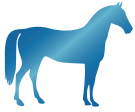
Invited Lectures: Turniertierarzt und Doping

- 14:30 Dopingregeln FN, FEI *H. Lagershausen*
- 14:50 Die moderne Dopinganalytik im Pferdesport *M. Machnik*
- 15:10 Aufgaben des Turniertierarztes *G. Matthesen*
- 15:30 Tierschutz im Pferdesport *A. Dörrzapf*
- 15:50 Discussion Diskussion
- 16:00 *Break & Industrial Exhibition* Pause & Besuch der VET-Messe
- 17:00 Posterpräsentation *Poster Presentation*
- 18:00 *Closure* Ende

In Addition **Außerdem**

Seminar "Equine Rezidivierende Uveitis"

Thursday Donnerstag, 15.10.20 | 08:15 - 17:00 |
Programme on page 47 | Programm auf S. 47.



Estrel Saal A & B
Friday Freitag - Saturday Samstag



Friday Freitag & Saturday Samstag | 08:30 - 18:00

4th International Equine Congress – Poster *Foyer Estrel Saal A & B*

Intraoperative neuromonitoring of the recurrent laryngeal nerve during thyroidectomy in three horses *M. Al Naem*

Evaluation of Matrix-Metalloproteinases (MMPs) and Tissue Inhibitors of Metalloproteinases (TIMPs) as biomarkers for sepsis and endotoxemia in equine colic *A.-K. Barton*

Neutrophil extracellular traps in the pathogenesis of equine recurrent uveitis (ERU) *L. Fingerhut*

A scalable protocol for equine platelet concentrate production *A. Hagen*

Diagnostic studies on horses with and without equine recurrent uveitis (ERU) – first results *L. Kirmse*

Detection of IgE serum antibodies to Culicoides salivary gland peptide antigens in horses with equine summer eczema *C. C. Klein*

Effect of rho/ROCK inhibition on early TGF- β -induced tenogenesis in mesenchymal stromal cells *M. Melzer*

Serum thymidine kinase as neoplastic marker – Clinical case reports *S. Moeller*

Comparison of pre- and post-treatment pain scores of twenty-one horses with laminitis treated with acupoint and topical low level impulse laser therapy *U. Petermann*

Effect of feeding on omeprazole plasma level in horses with gastric ulcers *S. Recknagel*



4th International Equine Congress

Friday Freitag & Saturday Samstag | 08:30 - 18:00
4th International Equine Congress – Poster Continuation

Foyer Estrel Saal A & B

Genetic diversity and antimicrobial resistance patterns of *Streptococcus equi* ssp. *equi* isolates from equines *D. A. Rotinsulu*

The aerobic bacterial spectrum in horses with ocular diseases *A.-K. Schieder*

Short term clinical side effects of external beam radiation therapy of periocular equine sarcoids *S. Schleich*

Pyrrrolizidine alkaloid contamination in equine herb containing nutraceuticals – is it possible to avoid? *B. Schwarz*

Comparison of two antibiotic protocols in equine diagnostic laparotomy **VPH**
S. D. Stöckle

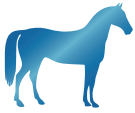
Serological follow up of a confirmed case of a West Nil virus infection with **VPH**
minimal neurological signs detected synchronously with seven subclinical cases *D. Trachsel*

Diverse treatment strategies for horses with 'kissing spines' - International survey of equine orthopaedic specialists *D. Treß*

The effect of xylazine and lidocaine on inflammation during small intestinal ischemia in horses *N. Verhaar*

Poster Presentation Posterpräsentation

Saturday Samstag, 17.10.20 | 17:00 - 18:00 | Estrel Saal A & B



Estrel Saal A & B

Friday Freitag - Saturday Samstag



Conference Information

Please find the complete Conference Information including „ATF-Stunden“ in German language on page 195.

Conference Organizer

German Veterinary Medical Society (GVMS) | DVG Service GmbH
Friedrichstr. 17 | 35392 Giessen, Germany
e-mail: info@dvf.de | Webpages: www.dvf.de | www.dvf-vet-congress.de

Conference Venue

Estrel Hotel & Congress Center Berlin | Sonnenallee 225 | 12057 Berlin, Germany
Webpage: www.estrel.com | Tel.: +49 (0)30 6831-0, Fax: +49 (0)30 6831-2345

Information / Registration

CSM, Congress & Seminar Management
Industriestr. 35 | 82194 Groebenzell, Germany
e-mail: info@esm-congress.de
Webpages: www.esm-congress.de | www.dvf-vet-congress.de | www.geva-gvms.org
tel: +49 (0) 8142 570183 | fax: +49 (0) 8142 54735

DVG-Vet-Congress and Corona

The DVG-Vet-Congress 2020 will be offered as hybrid event due the covid-19 situation. Lectures can be attended on site or watched online as livestream.

Please register online here:

www.dvf-vet-congress.de / www.geva-gvms.org !

Get tickets for your participation on site quickly!

Only a limited number of tickets available!

On-site registration won't be possible!

We suggest registering soon for the livestream as well!

For registration fees please check the online registration.

The conference is open only to veterinary professionals.



4th International Equine Congress

On-site participation in Berlin:

Health and safety of all conference delegates have a very high priority for the organizers and the Estrel Congress Center as well. Regulations regarding anti-infection protection and hygiene standards will be followed.

The "Masterkarte" allows you to switch between lectures on Friday and Saturday. However, all rooms have a limited number of participants.

If all seats are taken, you can follow the lectures online with your own device in the entire hotel, including hotel rooms, via livestream.

On-site registration won't be possible; therefore, you must register online in advance here:

www.dvg-vet-congress.de / www.geva-gvms.org

Please contribute to a safe congress and use the free corona warning app.

Livestream:

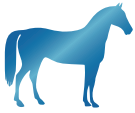
Use the livestream conveniently and safely from your veterinary practice or clinic or from home. All lectures on Friday and Saturday will be streamed and you can participate in discussions via chat. Please note that the lectures of veterinary dentistry (DGT) on Thursday and the seminars won't be offered online.

Visit the virtual industrial exhibition and get information about attractive offers.

Livestream participants will receive information on access and technical details shortly before the conference. We suggest registering early for the livestream since the number of tickets is limited.

On-site participation / Livestream:

**Please be informed that it won't be possible to switch from livestream to participation on site .
The livestream will be available online for all participants until October 31, 2020.**



Estrel Saal A & B

Friday Freitag - Saturday Samstag



Conference language

Conference language of the 4th International Equine Congress is mostly English. Lectures and workshops of the DVG-Vet-Congress are mostly in German language.

Payment

After registration, the availability of your booking will be verified. Afterwards, you will receive an invoice including information on hotel booking.

Cancellation

Please send your cancellation in written form to CSM. For cancellations received by September 6, 2020, the registration fee will be reimbursed minus a handling fee of 50 Euro. No reimbursement is possible after that date. In case you are not able to attend, you may provide a substitute participant free of charge.

Internet access

The Estrel Hotel & Congress Center offers free Wi-Fi internet access.
Network: DVG-2020 | Password: Vet-Congress

Registration Desk

Estrel Hotel & Congress Center | Sonnenallee 225 | 12057 Berlin
Tel.: +49 (0)30 6831-25301 (during opening hours)

You will receive your name badge by email before the conference. Please print it and bring it to the conference. The registration on site will be effected contactless.

Opening hours of the registration desk:

Thursday,	15 October 2020	07:30 – 18:00
Friday,	16 October 2020	07:30 – 18:30
Saturday,	17 October 2020	07:30 – 18:30



4th International

Equine Congress

Conference Proceedings / Internet Download

Abstract books will be published by the German Veterinary Medical Society. Abstract books (PDF files) are available via internet download (according to your booking).

If you register before 04 October 2020, you will receive access details by email before the conference. If you register later, you will receive them after the conference.

Printed abstract books can be ordered at extra cost during online registration. You can pick them up at the registration desk (participants on site). If you participate via livestream, printed abstracts books will be sent to you by post. Proceedings Equine Congress: € 15,00

Industrial Exhibition

Numerous exhibiting companies of all fields will present their products and services on October 16-17, 2020 (Friday and Saturday). Get your information first-hand!

List of sponsors and exhibitors: pages 178-183.

The exhibitors are present in a virtual exhibition for the users of the livestream. Enjoy an attractive online visit with live chats, events and different search options.

Conference Dinner / Congress-Meeting of the Service Clubs / Child Care / Dog-Shuttle

These events and offerings cannot be provided this year due to the current situation.

Hotel Reservation

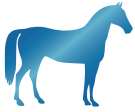
CSM has reserved hotel rooms at the Estrel hotel as well as at the Hampton by Hilton Berlin City East Side Gallery (about 15 minutes by car or 30 minutes by suburban train from the conference venue).

Hotel	Prices per room per night incl. breakfast	
	Single Room	Double Room
Estrel Hotel (Conf. venue)	148 €	178 €
Hampton by Hilton	99 €	109 €

You will receive details regarding hotel reservation with your invoice/confirmation of registration.

How to get there

From the airport Tegel with bus TXL to "Beusselstr.", then suburban train 41 to "Sonnenallee"; or with bus 109 / X9 to "Jungfernheide", then suburban train 42 to "Sonnenallee" (about 50 minutes)



Estrel Saal A & B

Friday Freitag - Saturday Samstag



From the airport Schönefeld with bus 171 to "Sonnenallee" (about 45 minutes)
From Central Station: bus M41 to "Ziegrastraße" (about 30 minutes) From "Südkreuz":
suburban train 42 to "Sonnenallee" (about 15 minutes)
From "Ostbahnhof" with the suburban train to "Ostkreuz", change to suburban train 41 to
"Sonnenallee" (about 20 minutes).
The hotel has its own underground parking offering 450 parking spaces and additional spaces
in the outdoor parking lot at Sonnenallee 228 (subject to charge).
Further information: www.estrel.com

Environment Protection

Contribute to an environmentally friendly congress and use public transportation. You can find
information regarding the event ticket of the "Deutsche Bahn" on the congress webpage:
www.dvg-vet-congress.de and on www.csm-congress.de/programme-und-anmeldungen.html

Sightseeing

Berlin offers a large variety of cultural attractions in the city center and the surroundings.
Find out more at: www.visitberlin.de/en

For further information and bookings please contact the concierge desk at the Estrel Hotel lobby.

Picture / Sound / Video Recording

The scientific lectures are subject to copyright. It is therefore prohibited to take pictures or to
make any sound or video recordings.

Participants allow the organizer and third parties to take pictures and make sound or video
recordings of them during the event and without any compensation. These recordings may be
used unrestrictedly in time, place or content in all audio-visual media; the organizer is particular-
ly allowed to copy, spread, edit, publish or send them. They may be published on the organizer's
website, social media channels or in print material. By attending this event participants agree
to recordings being made. A public display of recordings focusing on individual participants
will only be published with their explicit consent. Participants have the right to withdraw their
consent at any point in time.

By participating you agree to be recorded. Recordings in which single participants are in the
foreground will only be publicly displayed with their consent.

Participants have the right to revoke their consent from the organizer.



4th International Equine Congress

Data Protection Notice for Participants

For your registration to this congress, the collecting, saving and processing of your personal data is imperative (legal foundation: General Data Protection Regulation, GDPR Art. 6 para. 1 subsection 1 lit. b). This is done solely for the purpose of organization and completion of the event. The collected data will only be passed on to third parties, which are directly involved in the running of the congress and when the organizational procedure makes this necessary (operator, hotel). The collected data will be deleted after the event in compliance with legal retention periods. Further details see Online-Registration.

Scientific Independence and Sponsoring

The programme is set up independently of sponsors by a scientific committee. Only after the programme is completed, sponsors can choose seminars, themes or speakers for support by providing equipment, reimbursement of travel costs or honorarium.

Disclaimer

Neither the organizers nor the conference office accept any liability for material or personal damages, or for losses which may result from travel and/or attending the conference. Participants are advised to make their own arrangements for insurance. All guests participate at their own risk. The participant acknowledges by his / her registration that the organizers cannot be held responsible in case the realization of the conference or parts of it is hindered or made impossible by unforeseen political or economic events or an act of God.

Programme Changes

The programme is subject to change. Neither the organizer nor the congress office can be held responsible for any liabilities caused by programme changes. No (partial) refund of paid registration fees will be made in the case of programme changes, cancellation of lectures or replacement of speakers.

If speakers are unable to attend in Berlin, the lectures will be presented as videos.

Seminars will only be held if the minimum number of participants is reached. The number of participants of seminars is limited.