



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

July 13 <sup>th</sup> 2017		Time	Room	F/C	Session title
July 13 <sup>th</sup> 2017	<b>AM</b>	08:30			Danish Mounted Guards
		09:30			Opening of Conference by HRH Princess Benedikte
		A	Fundamental	Equine Asthma	
	10:00				
	10:00	B	Clinical	Upper Airway Diagnosis	
	<b>12:15</b>	A		<b>Lunch</b>	
	<b>12:30</b>	B		<b>Lunch</b>	
	<b>PM</b>	13:20	A	Fundamental	Laryngeal Neuropathy Fundamentals
		13:20	B	Clinical	Chronic Airway Inflammation: Diagnosis and Management
	July 14 <sup>th</sup> 2017	<b>AM</b>	07:45	Poster room	
08:30			A	Fundamental	Exercise-induced Pulmonary Hemorrhage
08:30			B	Clinical	Infectious Disease
10:30			B	Clinical	Sinuses, Guttural Pouch, Epiglottitis
<b>12:45</b>			A		<b>Lunch</b>
<b>12:35</b>		B		<b>Lunch</b>	
<b>PM</b>		13:30	A	Fundamental	Equine Asthma Fundamentals
		13:20	B	Clinical	Upper Airway: Larynx
		16:55	Poster room		Poster viewing and discussion
July 15 <sup>th</sup> 2017		<b>AM</b>	07:45	Poster room	
	08:30		A	Fundamental	Triggers to Airway Inflammation
	08:30		B	Clinical	Upper Airway: Nasopharynx
	<b>12:30</b>	B		<b>Lunch</b>	
	<b>12:45</b>	A		<b>Lunch</b>	
	<b>PM</b>	13:30	A	Fundamental	Research and Clinical Abstracts
		13:20	B	Clinical	Upper Airway: Soft Palate and Parynx



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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**July 13<sup>th</sup> 2017**

## **General Session**

- 08:30 Danish Mounted Guards
- 09:30 Opening of Conference by HRH Princess Benedikte

## **ROOM A**

**Chair + Co-chair: Jean Pierre Lavoie + Laurent Viel**

### **Equine Asthma**

	<b>Name</b>
10:00 The case for "Equine Asthma"	Jean-Pierre Lavoie
10:20 Human asthma and COPD: really different diseases?	Jim Martin
10:40 RAO/SPAOAD - severe equine asthma?	Scott Pirie
10:50 Sport horse IAD - moderate equine asthma?	Vincent Gerber
11:00 Racehorse IAD - mild equine asthma?	Laurent Couetil
11:15 Discussion	
11:30 <i>Reversibility of pulmonary artery remodeling in equine asthma</i>	<i>Serena Ceriotti</i>
11:45 <i>Epidemiological study of Respiratory conditions affecting racehorses in the southeast of Brazil</i>	<i>Mateus S. Ribeiro</i>
12:00 <i>Pharmacological manipulation of conventional primary equine bronchial epithelial cells</i>	<i>Getu Abraham</i>
<b>12:15 Lunch</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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July 13<sup>th</sup> 2017

## ROOM A

**Chair + Co-chair: Jon Cheetham + Richard Piercy**

### **Laryngeal Neuropathy Fundamentals**

	<b>Name</b>
13:20 Axonopathies	Robert Adalbert
13:40 Neuroanatomy of vagal bundle	Aitor Gallastegui
14:00 Correlation of histopathology and clinical RLN	Justin Perkins
14:20 Clues to RLN pathogenesis	Richard Piercy
14:40 Peripheral nerve repair: immune modulation	John Cheetham
15:10 Genetics of RLN	Ed Robinson
<b>15:30 Coffee break</b>	
16:00 <i>The effect of tongue-tie application on stress responses in resting horses</i>	<i>Samantha Franklin</i>
16:15 <i>An investigation of Neonatal Dysphagic Foals - Association with Environmental Chemical Exposure</i>	<i>Dorothy M. Ainsworth</i>
16:30 <i>Identification of genetic risk loci for Recurrent Laryngeal Neuropathy in the Thoroughbred horse</i>	<i>Charlotte L. McGivney</i>
16:45 <i>A Novel Adaptation of a Monopolar Electrosurgical Triangle Tip Knife for Transendoscopic Ventriculocordectomy in Horses</i>	<i>David G. Suarez Fuentes</i>
17:00 <i>Nerve stimulation-guided injection to the recurrent nerve – a potential technique for the use of stem cells in the treatment of laryngeal hemiplegia</i>	<i>Charlotte Sandersen</i>
17:15 <i>Arytenoid cartilage abduction in sports horses undergoing prosthetic laryngoplasty and its relation to post-operative inspiratory noise and performance</i>	<i>Stine Jacobsen</i>
<b>17:30 End of Session</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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**July 13<sup>th</sup> 2017**

## **General Session**

08:30 Danish Mounted Guards

09:30 Opening of Conference by HRH Princess Benedikte

## **ROOM B**

**Chair: Stine Jacobsen**

### **Upper Airway Diagnosis**

10:00 Functional Upper Airway Anatomy and Physiology

**Name**

Jon Cheetham

10:30 Endoscopic diagnosis in the upper airway

Julie Fjeldborg

11:00 Imaging of the upper airway: Ultrasonography/Radiography/CRT and MRI

Olivier Brandenberger

11:45 Discussion

12:00 *Relationship between dynamic upper airway disorders of pharynx or larynx and inflammatory airway disease in horses of different use* *Blanka Wysocka*

12:15 *Exercising upper respiratory videoendoscopic evaluation of 42 competition draft horses abnormal respiratory noise and/or poor performance* *Eileen S. Hackett*

**12:30 Lunch**



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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July 13<sup>th</sup> 2017

## ROOM B

**Chair + Co-chair: Laurent Coutil + Renaud Leguillette**

### **Chronic Airway Inflammation: Diagnosis and Management**

	<b>Name</b>
13:20 Obtaining airway cytology samples	Julie Fjeldborg
13:40 Longitudinal airway cytology results	Sanni Hansen
14:00 Endobronchial biopsy and ultrasound	Michaela Bullone
14:20 Quantifying poor performance	Renaud Leguillette
14:40 What is contained in stable dust?	Melissa Millerick-May
<b>15:00 Coffee break</b>	
15:30 Techniques for reducing the respirable challenge in hay	Meriel Moore-Colyer
16:10 Getting horse owners to change the environment	Emmanuelle van Erck
16:30 Medical management of equine asthma	Laurent Couetil
16:50 Case discussions	
17:15 <i>Seasonal variation in bronchoalveolar lavage cytology for adult clinically healthy stabled horses</i>	<i>M.L. Honore</i>
17:30 <i>Cytological profiles of equine bronchoalveolar lavage fluid: a retrospective study (2013-2015)</i>	<i>Anne Couroucé</i>
<b>17:45 End of session</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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July 14<sup>th</sup> 2017

## POSTER ROOM Chair: Eric Strand

### Upper airway abstracts

07:45 Poster viewing, discussion and breakfast

- |  |                           |
|--|---------------------------|
| <i>Evaluation of topical medication methods for the pharynx and larynx of the horse</i>                                | <i>Britta S. Leise</i>    |
| <i>Cinical outcome after surgical correction of cleft palate by laryngeal tie-forward</i>                              | <i>Irene Tosi</i>         |
| <i>Clinical outcome after tracheal resection and anastomosis for correction of a tracheal stenosis in a sport pony</i> | <i>Irene Tosi</i>         |
| <i>Ocurrence of epiglottic retroversion in one familiy of Silesian draft horses.</i>                                   | <i>Blanka Wysocka</i>     |
| <i>Neurological signs in relation to progressive ethmoidal hematoma</i>  | <i>Gaby van Galen</i>     |
| <i>Overground endoscopy in Thoroughbreds and Standardbreds to evaluate the effect of tongue ties</i>                   | <i>Ann Kristin Barton</i> |



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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July 14<sup>th</sup> 2017

## ROOM A

**Chair + Co-chair: Rikke Buhl + Modest Vengust**

### **Exercise-Induced Pulmonary Hemorrhage**

	<b>Name</b>
08:30 Current understanding of EIPH pathogenesis	Ed Robinson
08:50 Autonomic regulation of small pulmonary vessels	William Jackson
09:10 Pulmonary arterial calcification in exercising horses	Luis G. Arroyo
09:30 Pulmonary fluid exchange in exercise	Modest Vengust
09:50 Ventricular diastolic function and EIPH	Gordon Cohen
<b>10:10 Coffee break</b>	
10:30 Cardiac arrhythmias in exercising horses	Rikke Buhl
10:50 EIPH management	Warwick Bayly
11:10 Discussion	
11:30 <i>Tracheobronchoscopic EIPH score and BALF erythrocyte count in EIPH</i>	<i>Carolina Lopez</i>
11:45 <i>Prevalence of Exercise-Induced Pulmonary Hemorrhage in Barrel Racing Horses in the Pacific Northwest</i>	<i>Warwick M. Bayly</i>
12:00 <i>Is ACE activity post-race in EIPH horses influenced by Furosemide Administration?</i>	<i>Maria F. De M. Costa</i>
12:15 <i>At what speed do barrel-racing horses bleed (EIPH)</i>	<i>Luiz C.N. Mendes</i>
12:30 <i>The effect of exercise induced pulmonary hemorrhage on some performance indices in Standardbred Racehorses: Preliminary Results</i>	<i>Lucca Stucchi</i>
<b>12:45 Lunch</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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July 14th 2017

## ROOM A

Chair + Co-chair: Miia Riihimäki + Scott Pirie

### Equine Asthma Fundamentals

		Name
13:30	Airway remodeling in equine asthma	Jean-Pierre Lavoie
13:50	Epithelial/smooth muscle cross talk?	Jim Martin
14:10	Is there an allergic march in horses?	Vincent Gerber
14:30	Alveolar macrophage in equine asthma	Scott Pirie
14:50	Inflammaging in the lung	Sanni Hansen
15:10	Discussion	
<b>15:20</b>	<b>Coffee Break</b>	
15:50	<i>Asthmatic diseases as an underlying cause of dorsal displacement of the soft palate in horses</i>	<i>Kinga Joó,</i>
16:05	<i>Autologous Conditioned Serum therapy in racehorses with IAD: A clinical prospective randomized blinded study</i>	<i>Emmanuelle van Erck</i>
16:20	<i>Intra-articular triamcinolone effects on lung function of severe equine asthma horses</i>	<i>Amandine Bessonnat</i>
16:35	<i>Prevalence of Fungi in Respiratory Samples of Horses with Inflammatory Airway Disease</i>	<i>Julie Dauvillier</i>
16:55	Poster viewing in Poster Room	
<b>17:55</b>	<b>End of session</b>	





# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

July 14th 2017

## Poster viewing and discussion

16:55 -  
17:55

### Chair: Eric Richard - Epidemiology

- Exhaled breath analysis in equine medicine using Gas Chromatography-Ion Mobility Spectrometry (GC-IMS): Detection of parenteral Marbofloxacin administration* Getu Abraham
- Use of methacholine bronchoprovocation test for the diagnosis of asymptomatic severe equine asthma* Irene Tosi
- Survey of Horse Owners on Equine Asthma in Warmblood Horses* Beatrice Lehmann
- Subclinical respiratory disorders in Thoroughbred racehorses training at the Brazil Jockey Club* Natalia Reboucas Pires

### Chair: Anne Couroucé - Cytology

- Relationship of history data, clinical findings and tracheal wash culture in horses with chronic respiratory disease* Zerinka Stritof
- Cytologic evaluation of bronchoalveolar lavage fluid obtained from Vaquejada racing horses* Deborah P. M. Dias
- Cytology of bilateral bronchoalveolar lavage* Tanguy Hermange

### Chair: Renaud Leguillette - Therapy

- Evaluation of Metalloproteinases and their Inhibitors in Equine asthma under the course of CPG-odn inhalation Therapy* Ann Kristin Barton
- Interactions of Streptococcus equi and mast cells* Ida Waern
- A hydrosoluble form of curcumin (NDS27) limits morphological changes in equine neutrophils induced by ex vivo exposure to lipopolysaccharides* Dana Laizane
- The effects of WF10 in horses with recurrent airway obstruction (RAO)* Miguel Espina
- Presence and genetic variation of Streptococcus zooepidemicus in Finnish weanling horses* Piia M. Sulku
- Mast cells in the bronchoalveolar lavage fluid of 152 horses with and without respiratory signs* Heini Koskinen



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

July 14<sup>th</sup> 2017

## ROOM B

**Chair + Co-chair Gaby van Galen + Anne Cullinane**

### Infectious disease

	<b>Name</b>
08:30 Equine respiratory viruses update	Ann Cullinane
08:50 Strangles, diagnosis and carriers	Miia Riihimäki
09:10 Strangles, vaccine status	Andrew Waller
09:30 Rhodococcus	Monica Venner
09:50 Discussion	
09:55 <i>Efficacy studies of Strangvac<sup>®</sup>, a vaccine against strangles</i>	Jan-Ingmar Flock
<b>10:10 Coffee break</b>	

### **Chair + Co/chair Fabrice Rossignol + Norm Ducharme** **Sinuses, Guttural Pouch, Epiglottis**

10:30 Paranasal Sinuses	Justin Perkins
11:00 Problems of the epiglottis	Norm Ducharme
11:30 Guttural Pouch: where are we?	Keith Baptiste
11:50 <i>Evaluation of the correlation between laryngohyoid conformation and electromyographic activity of thyrohyoideus muscle in horses with intermittent dorsal displacement of the soft palate (DDSPi)</i>	Giovanni Stancari
12:05 <i>Surgical advancement of the larynx (Tie-forward) using a minimally invasive approach</i>	Henry D. O'Neill
12:20 <i>Transoral thermal cautery of the soft palate in the standing, sedated horse</i>	Henry D. O'Neill
<b>12:35 Lunch</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

---

July 14<sup>th</sup> 2017

## ROOM B

Chair + Co-chair: Eric Strand + Samantha Franklin

### Upper Airway: Larynx

		Name
13:20	Standing laryngoplasty	Norm Ducharme
13:40	Is ventriculo-cordectomy still needed with laryngoplasty	Justin Perkins
14:00	Treatment of acute laryngoplasty complications	Fabrice Rossignol
14:20	Laryngeal reinnervation-update	Fabrice Rossignol
<b>14:40</b>	<b>Coffee break</b>	
15:10	Dynamic laryngeal collapse with poll flexion –update diagnosis, pathogenesis and treatment	Eric Strand
15:40	Outbreaks of bilateral laryngeal collapse with asphyxiation	Richard Piercy
16:00	Discussion	
16:15	<i>A novel and Cost-Effective Dynamic Endoscopy Unit for Evaluation of Upper Airway Abnormalities in Horses</i>	<i>David G. Suarez-Fuentes</i>
16:30	<i>Dynamic respiratory endoscopy in the Thoroughbred racehorse. Does a more specific diagnosis lead to improved racing performance following tailored surgery?</i>	<i>Marc Collas</i>
16:55	Poster viewing in Poster Room	
<b>17:55</b>	<b>End of session</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

---

July 15<sup>th</sup> 2017

## POSTER ROOM Chair + Co-chair Dorothy Ainsworth

### Therapy

07:45 Poster viewing, discussion and breakfast

*Single dose betamethasone for lower airway inflammation and obstruction in sport horses* Deborah P. M. Dias

*Inhalation provocation with specific allergens in horses affected with recurrent airway obstruction (RAO)* Daniela Lindner

*How Effective Is A Ten-Day Inhalation Therapy With Fluticasone And Salmeterol Via A Metered Dose Inhaler In Improving Clinical Signs Of Horses Suffering From Equine Asthma?* Beatrice Lehmann

*Investigating the Effects of Different Potential Prophylactic Treatments on EIPH* Warwick Bayly

*Equine asthma in pasture horses in Brazil southeastern* Eliene P. Sad



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

---

July 15<sup>th</sup> 2017

## ROOM A

Chair + Co-chair Eric Richard + Mathilde Leclere

### Triggers to airway inflammation

	Name
08:30 Endotoxin-allergen interaction in airway inflammation	Martijn Schuijs
08:50 Other triggers of asthma/ IL-17, IL-26	Anders Linden
09:10 Effects of stables on human health	Miia Riihimäki
09:30 Feasibility of particulate reduction in animal housing	Lena Palmberg
09:50 Airway microbiota, importance in chronic airway disease	Leah Cuthbertson
<b>10:20 Coffee break</b>	
10:50 Microbiome in equine asthma	Mathilde Leclere
11:10 Respiratory virus role in airway inflammation	Eric Richard
11:30 Strp. Zooepidemicus pathogen or opportunist?	Andrew Waller
11:50 Discussion	
12:00 <i>Development of a Multiple Protein Extract Microarray for Profiling Allergen-Specific Immunoglobulin E in Horses with Severe Asthma</i>	<i>Samuel J. White</i>
12:15 <i>Anti-microbial and additional anti-inflammatory effects of inhaled essential oils in horses treated for IAD</i>	<i>Emmanuelle van Erck</i>
12:30 <i>The effect of clenbuterol on airway inflammation in healthy South African thoroughbred race horses</i>	<i>Karin Kruger</i>
<b>12:45 Lunch</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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July 15<sup>th</sup> 2017

## ROOM A

Chair + Co-chair Vince Gerber + Kathy Ivester

### Research and Clinical Abstracts

		<b>Name</b>
13:30	<i>Respirable particulate size and concentrations in five Newmarket (UK) training yards</i>	<i>Joshua A. Davison</i>
13:45	<i>Role of particulate exposure and airway inflammation in racing performance</i>	<i>Kathleen M. Ivester</i>
14:00	<i>Hay dust particles measured by flow cytometry in steamed versus dry hay</i>	<i>Maria Orard</i>
14:15	<i>Seasonal effect on tracheal secretions of thoroughbred racehorses competing in a hot humid climates</i>	<i>Fernanda Ribeiro</i>
14:30	<i>THS from TEW, not BAL – Preliminary Study</i>	<i>Maria F. de M. Costa</i>
14:45	<i>Upper and lower respiratory tract microbiota in horses: bacterial communities associated with health or mild asthma (inflammatory airway disease) and effect of dexamethasone</i>	<i>Stephanie L. Bond</i>
14:45	<i>Messurement of IL-17 in horses at pasture with and without subclinical airway inflammation</i>	<i>Eliene Porto Sad</i>
15:00	<b>Coffee - End of Conference</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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July 15<sup>th</sup> 2017

## ROOM B

**Chair + Co-chair: Kate Allen + Emmanuelle van Erck**

### Upper airway: Nasopharynx

	<b>Name</b>
08:30 Dynamic upper airway collapse in people	Zoe Fretheim-Kelly
08:50 Alar fold collapse	Eric Strand
09:10 Nasopharyngeal collapse -clinical presentation	Emmanuelle van Erck
09:30 Nasopharyngeal collapse -etiology/treatment	Bernard Ohnosorge
09:50 Non-RLN collapse - recognition and treatment	Norm Ducharme
10:10 Discussion	
<b>10:20 Coffee break</b>	
11:00 <i>GoPro: The Future for Training Clinicians, Students, House Officers and Clinicians for Many Upper and Lower Airway Diagnostic and Therapeutic Procedures in Horses</i>	<i>David G. Suarez-Fuentes</i>
11:15 <i>Development of an inspiratory muscle testing and training device in the horse - a feasibility trial</i>	<i>Kate Allen</i>
11:30 <i>i15 versus epoc for blood gas and chemistry analysis in horses</i>	<i>Claire Scicluna</i>
11:45 <i>Tongue-tie use in Australian Thoroughbred horses over a 5 year period (2009-2013)</i>	<i>Samantha Franklin</i>
12:00 <i>Respiratory workload and capacity at submaximal activity in Caspian miniature horses</i>	<i>Mehdi Sakha</i>
12:15 <i>Respiratory responses to tethered swimming exercise in horses</i>	<i>Susan Jones</i>
<b>12:30 Lunch break</b>	



# PROGRAM

July 13<sup>th</sup> – 15<sup>th</sup> 2017

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July 15<sup>th</sup> 2017

**ROOM B**  
**Chair: Henry O'Neill**

**Upper Airway: Soft Palate**

		<b>Name</b>
13:20	DDSP- expanding etiology	Norm Ducharme
13:40	DDSP- clinical exams over 2-3 years	Patrick Pollock
14:00	<i>DDSP treatment and effect of the laryngeal tie-forward procedure in a group of Danish trotting horses</i>	<i>Julie Hansen Nadia N. Olsgaard</i>
14:20	Nasal obstruction	Patrick Pollock
14:40	Panel difficult cases	
15:00	<b>Coffee - End of Conference</b>	