THE NEWEST SCIENTIFIC INSIGHTS ON THE MANAGEMENT OF *CRYPTOSPORIDIUM* IN CATTLE

Cryptosporidium is a major cause of diarrhea outbreaks worldwide.
The parasite that causes this disease affects both humans and animals.

In one study, an oral dose as low as 17 oocysts was sufficient to result in infection with diarrhea and fecal oocysts shedding in some animals.

To put this number into context, a naturally infected 6-day-old calf that sheds oocysts for 6 days can shed over 3×10^{10} oocysts. These oocysts can survive for long periods of time in the environment and are not easily killed by disinfectants.

Severe cryptosporidiosis in neonatal calves' results in long term affects such as weight gain, production efficiency and cost to the farmer. Studies also suggest that Neonatal Calf Disease can increase the calfs' chances of experiencing respiratory disease in the future.

During this 2 day event, MSD Animal Health has invited experts to share new scientific insights that can help both farmers and veterinarians fight this disease and possibly prevent it all together, improving the health and growth of young calves and their environment.

Tuesday, October 17th - Friday, October 20th 2023
Athens, Greece

Radisson Blu Park Hotel, Leof. Alexandras 10, Athina 106 82, Athens

www.msd-animal-health.com

MSD Animal Health

THE NEWEST SCIENTIFIC INSIGHTS ON THE MANAGEMENT OF *CRYPTOSPORIDIUM* IN CATTLE

AGENDA

Tuesday, October 17th. Radisson Blu Park Hotel, Athens

Arrival

19.00

Welcome Dinner

Wednesday, October 18th. Radisson Blu Park Hotel, Athens

9.00 until 17.00

DISEASE: WORKING MECHANISM, IMPACT AND LONG-TERM EFFECTS

Dr. Geert Vertenten, MSD Animal Health
Introduction

Dr. Jérôme Follet, H4DC (Health 4 Dairy Cows)
Cross-border collaboration initiative to reduce the impact of *C. Parvum* in farms

Dr. Frank Katzer, Moredon Research Institute
History and working mechanism of *cryptosporidium*

Dr. Hannah Shaw, Harper Adams University
Long term effects of *cryptosporidium* in calves

Prof. Rachel Chalmers, *Cryptosporidium* Unit Public Health Wales
One Health: *Cryptosporidium* in human and animal health

Round table discussion and discussion in smaller groups

COLOSTRUM: CALF IMMUNITY & MANAGEMENT

Prof. Dr. Hans -Joachim Schuberth, Veterinary Immunology, Tiho
Colostrum and immunity build up in young animals

Dr. Katie Denholm, University of Glasgow
Longer colostrum feeding and conservation of colostrum

Round table discussion and discussion in smaller groups

19:00

Dinner

THE NEWEST SCIENTIFIC INSIGHTS ON THE MANAGEMENT OF *CRYPTOSPORIDIUM* IN CATTLE

AGENDA

Thursday, October 19th. Radisson Blu Park Hotel, Athens

9.00 until 16.00

NEW SCIENTIFIC INSIGHTS IN MANAGEMENT OF *CRYPTOSPORIDIUM*

Dr. Geert Vertenten PhD DVM, MSD Animal Health
Introduction

Prof. Honorine Ward, Immunology, Tuft University
In-Vitro infection of *C. parvum* and research on receptors

Dr. Mark van Roosmalen, Principal Scientist, MSD Animal Health
Dr. Martine Reijnders, Clinical Research, MSD Animal Health
Development and research of a *cryptosporidium* vaccine

Prof. Kevin Tyler, Gastroenterology and Gut Biology, University of East Anglia
Hypotheses about working mechanism of *cryptosporidium* vaccine

Round table discussion and discussion in smaller groups

16:00

Social program and dinner

Friday, October 20th. Radisson Blu Park Hotel, Athens

Check out and travel back

Please contact your MSD Animal Health contact person about travel and hotel arrangements.

THE NEWEST SCIENTIFIC INSIGHTS ON THE MANAGEMENT OF *CRYPTOSPORIDIUM* IN CATTLE

Dr. Geert Vertenten

Find Out More

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