

2nd COMBAR Working Groups meeting, 26-27th September, León, Spain

## COMMUNICATIONS

### Guest Speakers - Oral Communications

Presenter	Communication
Gerald Coles	Anthelmintic resistance, past, present and future.
John Gilleard	Application of sequencing technologies for the detection and investigation of anthelmintic resistance.
Laura Peachey	Novel options for worm control; exploiting helminth-microbiota interactions in gastrointestinal helminth infections of livestock.
Carlos Lanusse	Some pharmacological issues contributing to extend the lifespan of traditional and novel anthelmintic drugs.
Jan Felipe Torres Acosta	Are we ready to enter a post-anthelmintic era?!
Jan Van Wyk	We 're all here because we 're not all there!.
Andy Greer	Targeted Selective Treatments: Lessons learnt and future considerations.
Rens van Dobbenburg	EPRUMA view on responsible use of anthelmintics.

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### Oral Communications

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1	J. Höglund	Droplet Digital PCR - a novel diagnostic tool in nematodes of veterinary interest.
1	M. Kašný	From genes to diagnostics of fasciolid flukes.
1	B. Hinney	High frequency of benzimidazole resistance alleles in <i>Haemonchus contortus</i> and <i>Teladorsagia circumcincta</i> from sheep flocks in Austria
1	P. Halvarsson	Meta-community analysis reveal new insights to ovine parasite diversity.
1	M. Martinez-Valladares	Evaluation of the Egg Hatch Assay as diagnostic method to determine the resistance in gastrointestinal nematode of sheep.
1	V. Marián	Does in vitro egg hatch test predict the clinical failure of benzimidazole treatment?.
1	I. Stojanov	The number of endoparasite eggs in different parts of the sheep intestinal tract.
2	C. Milne	Understanding the resistance of farmers.
2	B. Sekovska	Farmers and veterinary practitioners focus group experience regarding vector borne disease outbreak in Macedonia.
2	O.M. Dourado Martins	Contribution of Social Marketing to change the behaviour of veterinarians and farmers in worm control.
2	J. Ježek	Experiences with questionnaire survey and faecal sampling in small ruminant flocks.
2	M. De Alcubierrre	Monitoring the efficacy of anthelmintics in ruminants in southern Italy.
2	H. Hertzberg	Impact of transfer of goats to alpine pastures on the dynamics of infections with gastrointestinal nematodes.
2	T. Letra Mateus	Practices on helminth control in organic cattle from northern Portugal and Spain.
3	C. Canton	Nematocidal drug combinations: a valid strategy for parasite control in cattle?.
3	N. Ravinet	Targeted-selective treatment of dairy cows against gastrointestinal nematodes: a stepwise decision making strategy.

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3	S. Sotiraki	Efficacy of tannin rich feed against multi resistant <i>Haemonchus contortus</i> and interactions with ivermectin subcutaneous treatment in sheep on farm conditions.
3	M. Vilá Pena	Fungal spores to develop the integrated control of horse strongyles.
3	J. F. González	The Canaria Hair Breed sheep: a resistant breed to gastrointestinal nematodes.
3	M. Kesik-Brodacka	Immune response of rats, calves and lambs vaccinated with various forms of <i>F. hepatica</i> cysteine proteinase when challenged with <i>F. hepatica</i> metacercariae.
3	T. V. A. Hansen	Functional expression of <i>Trichuris suis</i> acr-16 in <i>Xenopus laevis</i> oocytes – a pharmacological screening tool for the anthelmintic effect of synthetic and natural compounds on nicotinic acetylcholine receptor in parasitic nematodes.

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### Poster Communications

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1	1	A. Amadesi	Mini-FLOTAC automated system for helminth egg counts in ruminants
1	2	M. Macrelli	First detection of ivermectin resistance in <i>Oesophagostomum dentatum</i> in pigs.
1	3	K. Alzbeta	A model transmission of gastrointestinal nematode <i>Haemonchus contortus</i> between domestic and wild ruminants under field conditions
1	4	M. Mickiewicz	Evaluation of levamisole effectiveness in two goat herds with previously detected resistance of gastrointestinal nematodes to ivermectin and benzimidazoles.
1	5	E. Devaney	The BUG Consortium- Using the <i>Haemonchus contortus</i> genome to identify mechanisms of anthelmintic resistance.
2	6	T. Letra Mateus	Who cares about helminths of backyard pigs in Portugal?.
2	7	T. Letra Mateus	Preliminary data suggest resistance to anthelmintics in sheep in northern Portugal.
2	8	M. Dos Santos	<b>Towards Helminth Sustainable Control in Grazing Ruminants in Europe.</b>
2	9	Z. Ruano	Practices on helminth control in an endangered autochthonous Portuguese sheep breed.
2	10	A.M. Duque de Araujo Munhoz	Seroprevalence of <i>Fasciola hepatica</i> in dairy cattle and management practices that may influence the onset of the disease on São Miguel Island, Azores – Portugal.
2	11	S. Petkevičius	The present status of anthelmintic resistance on sheep farms in Lithuania
3	12	H. Akkari	In vitro evidence that the pastoral <i>Artemisia campestris</i> species exerts an anthelmintic effect on <i>Haemonchus contortus</i> from sheep.
3	13	E. Valderas-García	Anthelmintic activity of amino alcohols against eggs and larvae of the ovine nematode <i>Teladorsagia circumcincta</i> .
3	14	E. Valderas-García	In vitro effect of benzaldehydes and phthalazinones against different eggs and larvae of <i>Teladorsagia circumcincta</i> .
3	15	E. Valderas-García	New synthetic benzimidazole with potential anthelmintic activity.
3	16	V. Castilla	Differences in the immune response between adult sheep belonging to Churra breed.

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3	17	H. Azaizeh	Seasonal variation in the effects of polyphenolic extracts of <i>Salix</i> sp (Willow) on the exsheathment of gastrointestinal nematode larvae.
3	18	S. Stuen	Toltrazuril resistance in a field isolate of ovine <i>Eimeria</i> spp.
3	19	J. Vadlejch	To feed or to develop? Evaluation of anthelmintic properties of six plant extracts using two in vitro tests.
3	20	C.F. Cazapal-Monteiro	How to reduce the risk of infection by <i>Trichuris</i> spp. in zoological parks? the answer is spreading spores of parasiticide fungi.
3	21	J. N. Hernández	Recombinant <i>Teladorsagia circumcincta</i> vaccine in native sheep breeds from the Canary Islands.
3	22	J.M. Molina Caballero	Local Immune Responses of Goats Immunized with Thiol-Proteinases Enriched Fractions from E/S products of <i>Teladorsagia circumcincta</i> Adult Worms
3	23	M.S. Arias Vázquez	Biological control as a solution against parasites affecting captive wild ruminants.
3	24	M. Voinot Meissner	Biological control of helminths affecting sheep in the Basque country.
3	25	J. Voller	High-throughput screening of anthelmintic drugs using <i>Caenorhabditis elegans</i> .
3	26	C. Chartier	Assessment of the potential of mid-season targeted selective anthelmintic treatment based on flexible weight gain threshold for nematode infection control in first-grazing season dairy calves.
3	27	B.M. Blomstrand	In vitro anthelmintic effects of bark extracts from <i>Picea abies</i> and <i>Pinus sylvestris</i> against sheep nematodes.
3	28	J. F. Torres-Acosta	In vivo nutraceutical evaluation of <i>Gymnopodium floribundum</i> leaf meal against <i>Haemonchus contortus</i> in lambs.
3	29	P.G. González Pech	Can we observe differences in feeding behavior between kids without browsing experience and goats with browsing experience on heterogeneous vegetation?.
3	30	S. Katerina	Antiparasitic activity of tannin-rich Mediterranean plants against sheep gastrointestinal nematodes: in-vitro studies.