

Epidemiological Data: Conducting Field Studies Testing Parasiticides in Pets

Hellmann, K.*, T. Knoppe*, L. Bettinelli* and C. Epe**
KLIFOVET AG, Munich, Germany
Veterinary School, Institute for Parasitology, Hanover, Germany

18th International Conference of the World Association for the Advancement of Veterinary Parasitology
Stresa, 26 - 30 August 2001



Studies Testing Parasiticides in Pets:

- •Twelve studies: 6 in Dogs, 6 in Cats
 - Endoparasites: 3 in Dogs, 3 in Cats
 - Ectoparasites: 3 in Dogs, 3 in Cats
- •Period: 1997 to 2001
- Enrolment periods: 1 month up to 1 year



Monitoring Efforts

- Intensive Training
- Frequent Visits
- Daily/Regular Contact to Investigators
- Motivation of Investigators

All studies strictly conducted to GCP



Studies on Endoparasites:

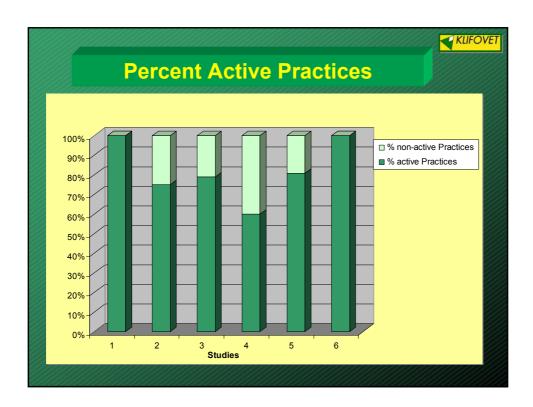
- Monitored 87 investigators (68 enrolled)
- •2 Laboratories involved (F, D)
- 5581 Faecal samples screened
- 514 Patients enrolled

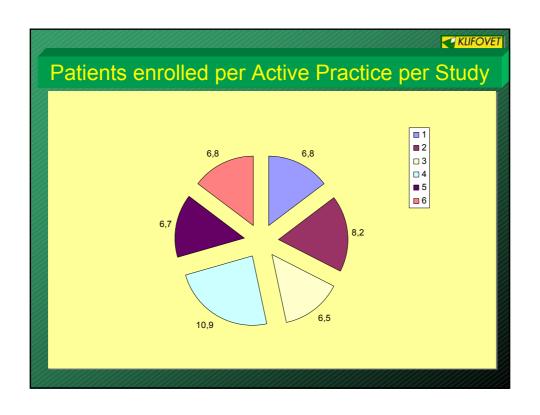
Concentrate on Endoparasite Studies as Ectoparasite work was presented in Copenhagen

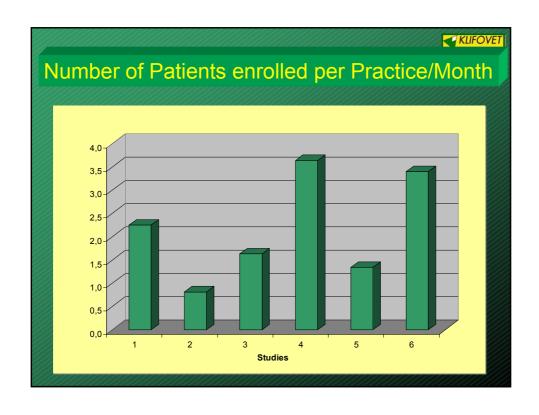


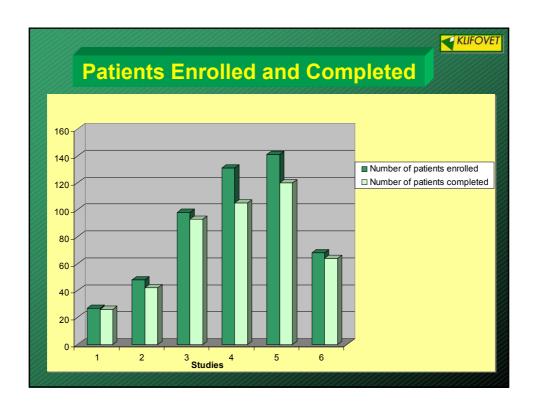
Some Data on the Challenge to Conduct Field Studies

- "Active Investigators"
- Patients enrolled per "Active Practice"
- Completers versus Non-Completers
- •Reasons for Non-Completers

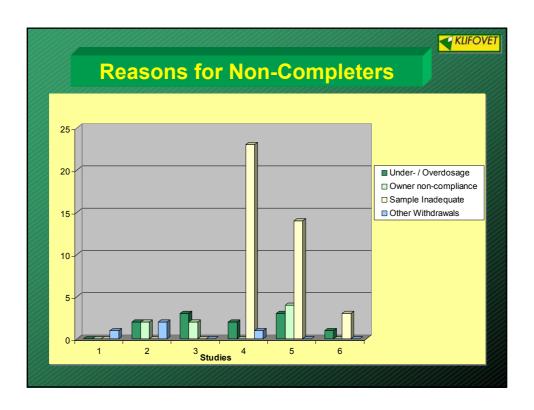






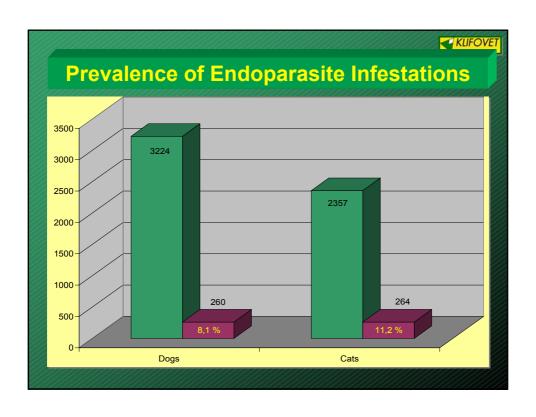


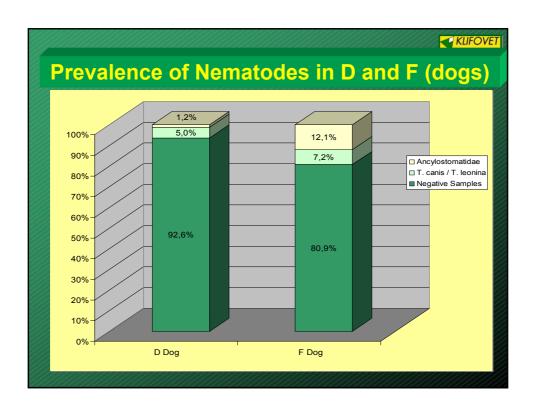


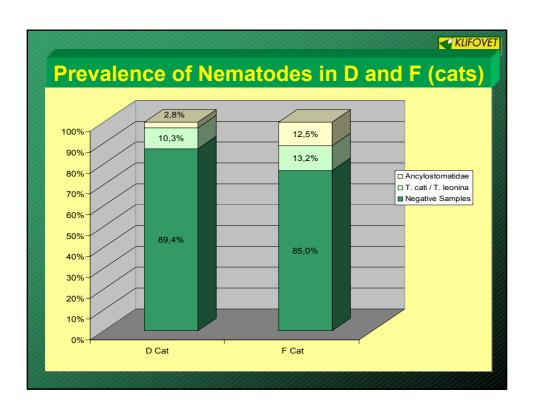


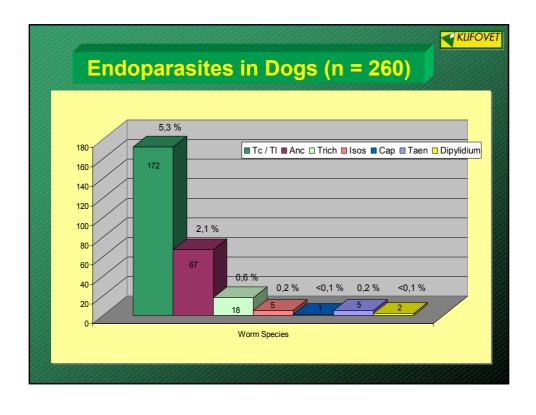
Epidemiological Data Presenting data from 6 different studies Different study objectives, but always efficacy for Toxocara/Toxascaris involved Focus on Endoparasites McMaster technique used in all studies D: Bavaria and North-East F: Burgundi and South-East Data may underestimate certain parasites!

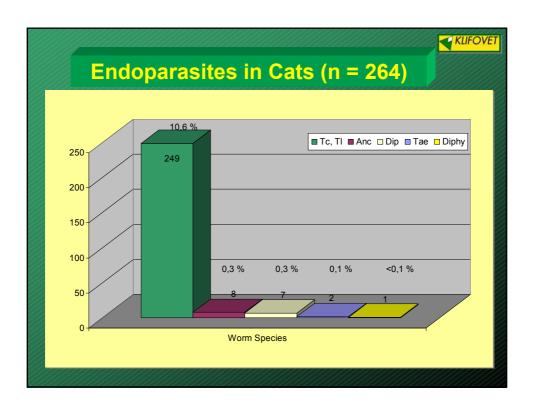
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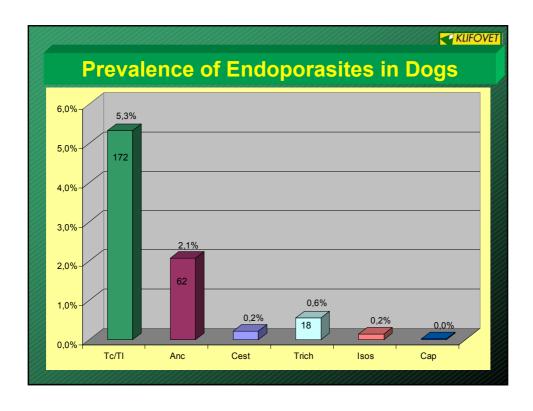


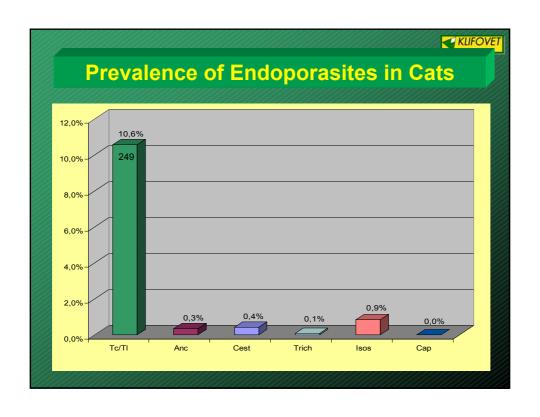


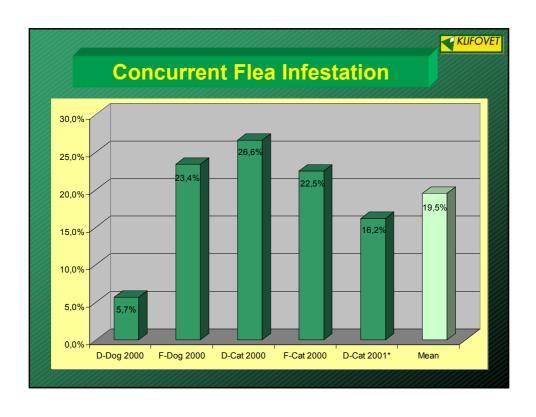


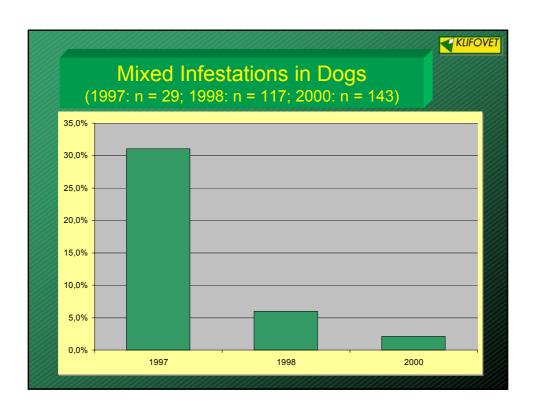


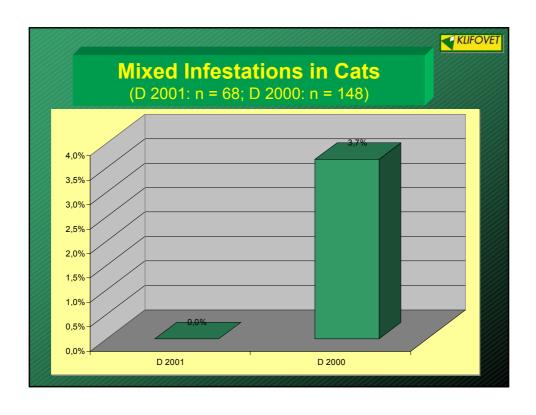


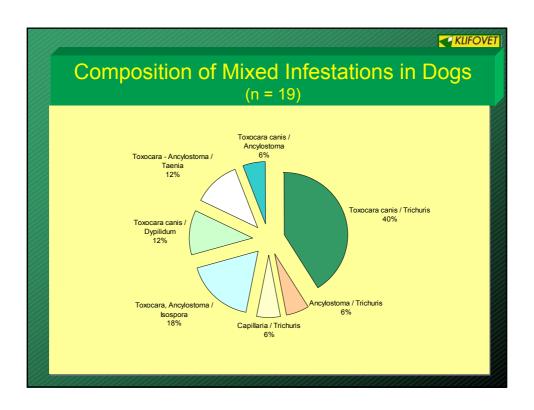








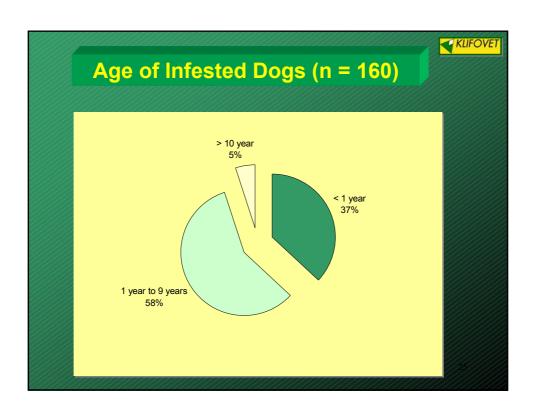


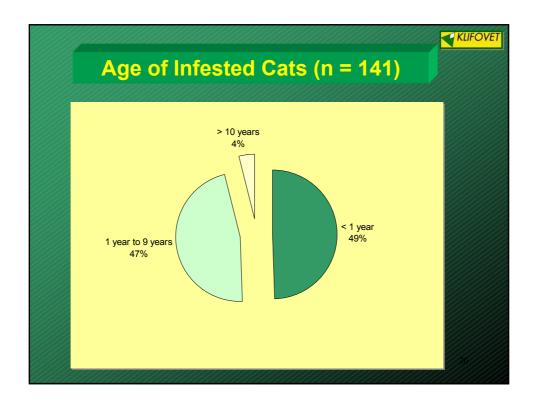




Reasons for Low Values

- · Objective of Studies: focus on T. cati/cani
- Diagnosis using McMaster technique does not always reflect the total worm burden:
 - Nematodes: No permanent excretion of "Eggs"
 - •Tapeworms:
 - No permanent excretion of "Eggs"
 - Observation of proglottides more frequent
- Negative sample does not allow final conclusion!







Conclusions

- Monitored 87 investigators in F and D
- ~10 animals per site can be enrolled
- Dogs: 8.1 % positive faecal samples, 5.0 % Tc/Tl
- Cats: 11.2 % positive faecal samples, 10,3 % Tc/Tl
- Infestations present in all age-groups
- Mixed infestations of different worms occur, including tapeworms, but low prevalence
- Diagnostics for field work not ideal for tapeworm
- 19.5 % Concurrent flea infestations in dogs and cats
- Indications for broad spectrum parasiticides present
- Negative faecal egg count samples do not allow conclusions!



Thank You!

- All participating Vets in Germany and France
- · Laboratoires Vebiotel, Paris, France
- Institute for Parasitology, Hanover, Germany
- Dr. Francis Pothier, Clermont-Ferrand, France
- Involved Sponsors as the legal owners of this data



Thank you!

KLIFOVET AG

www.klifovet.com

Tel: +49 89 58 00 82 0

Fax: +49 89 58 00 82 15

Email: klaus.hellmann@klifovet.com