

DETECTION OF PARASITES IN DOGS FROM THE SOUTH OF THE IBERIAN PENINSULA

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INTRODUCTION

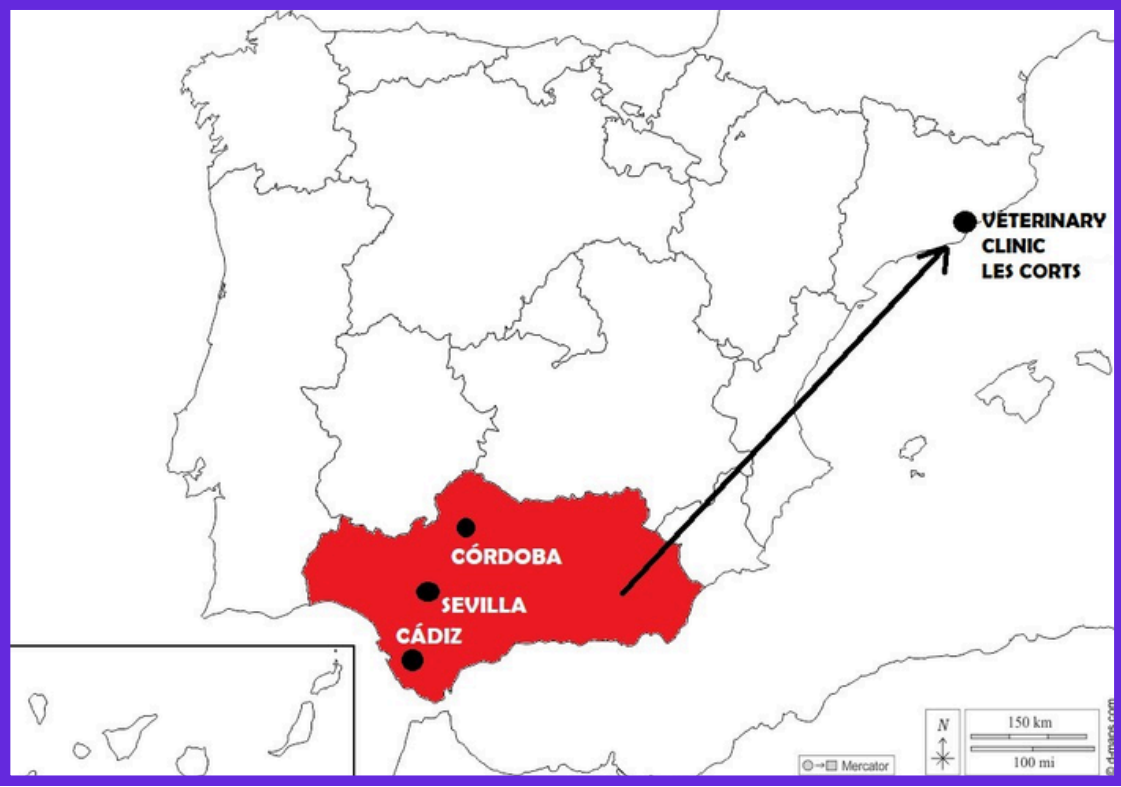
In Spain, unknown dogs are currently a major problem, and animal welfare associations are promoting measures such as adoptions to address it. These adoptions can lead to the transfer of animals to other regions, posing a great challenge for veterinarians and a concern for public health due to the possible spread of infectious and parasitic diseases.

OBJECTIVE

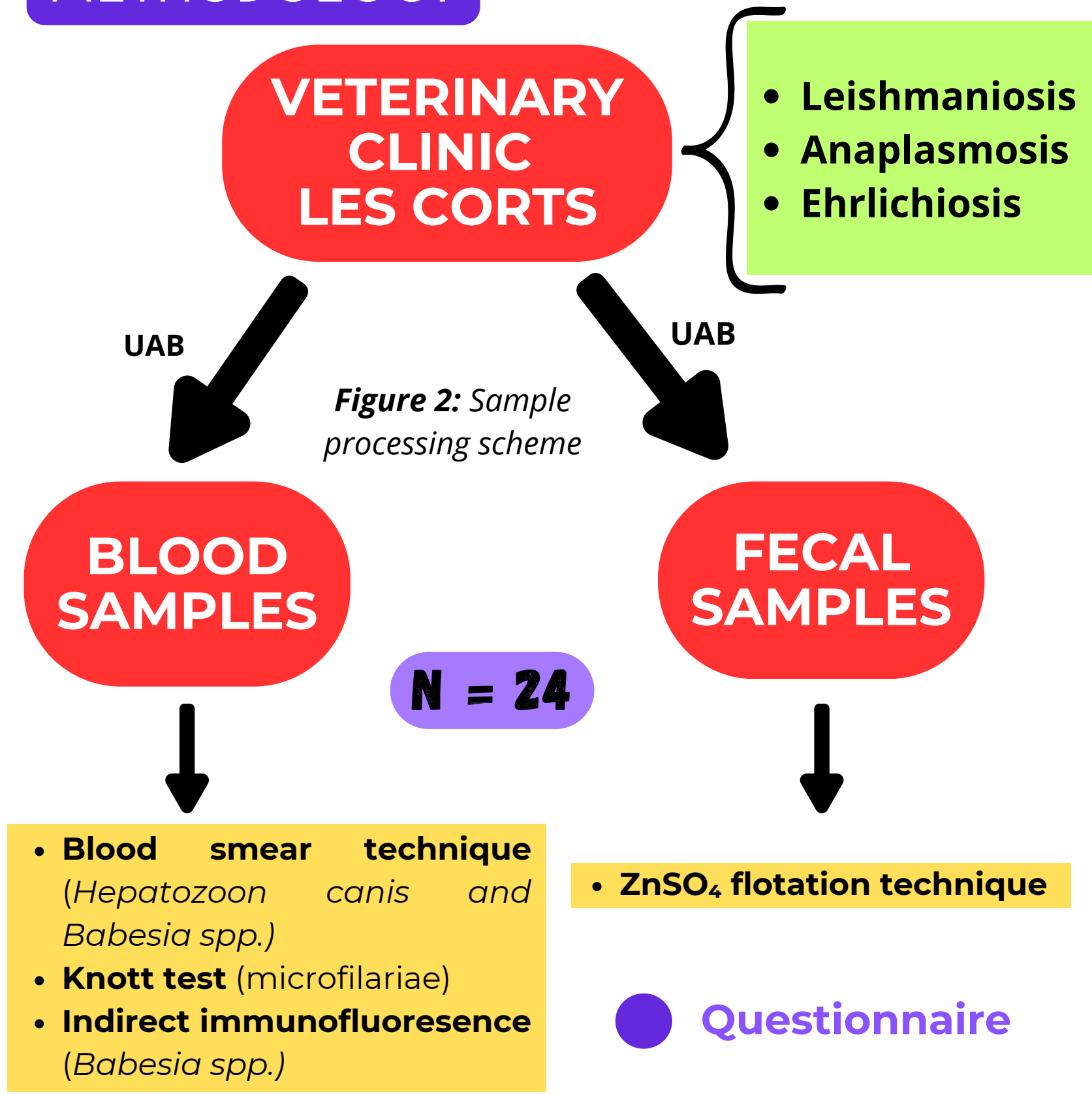
Detect the presence of parasites, both intestinal and vector-borne, in dogs from Andalusia that are transferred to Catalonia.

STUDY AREA

Figure 1:
Geographical location
of the study areas



METHODOLOGY



RESULTS

N = 5	DETECTED PARASITES	FECAL SCORE (PURINA)
SAMPLE 9	<i>T. leonina</i> & <i>Ancylostoma</i> spp.	2
SAMPLE 10	<i>T. leonina</i> & <i>Ancylostoma</i> spp.	3
SAMPLE 17	<i>T. vulpis</i>	2
SAMPLE 18	<i>Giardia</i> spp.	3
SAMPLE 24	<i>Ancylostoma</i> spp.	4

Table 1: Table of the results observed in ZnSO₄ flotation technique

- Intestinal parasitosis:** Mixed parasitosis of *T. leonina* and *Ancylostoma* spp. (N=2), *Trichuris vulpis* (N=1), *Giardia* spp. (N=1), *Ancylostoma* spp. (N=1)
- Vector-borne parasitosis:** No positive results were detected.

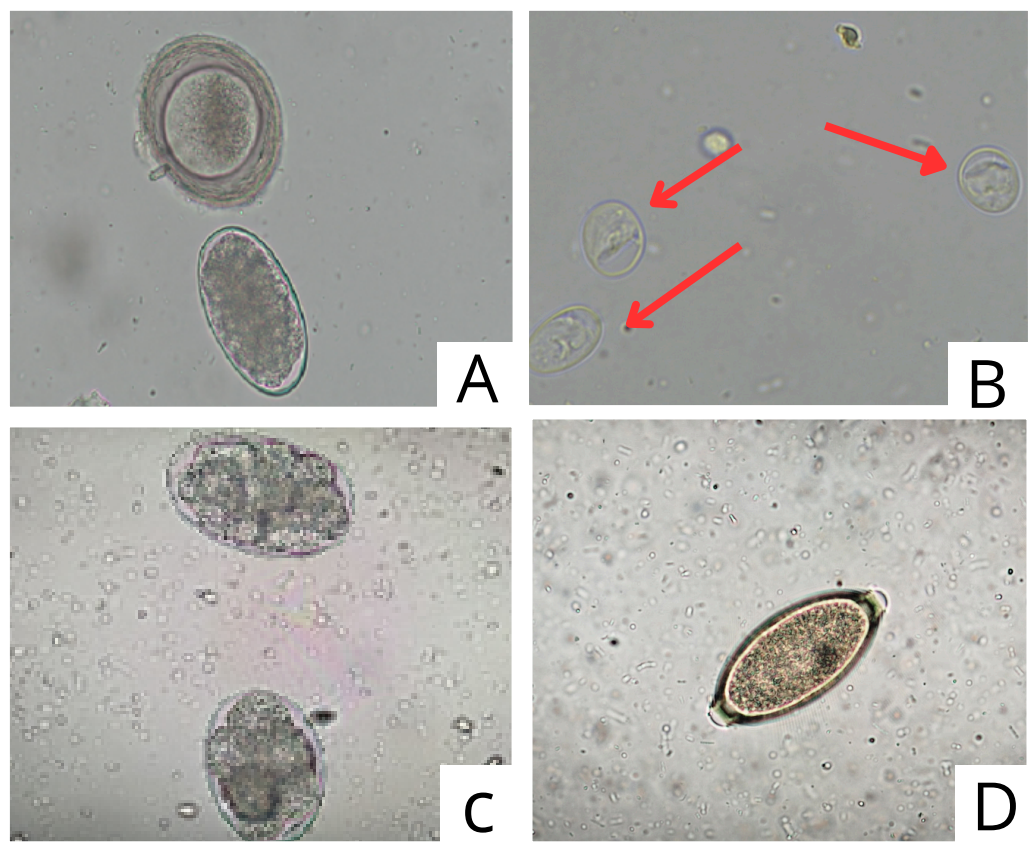


Figure 3: Presence of parasites in fecal samples processed through flotation technique with ZnSO₄. A. Mixed parasitosis of *T. leonina* and *Ancylostoma* spp. B. *Giardia* spp. cysts C. Eggs of *Ancylostoma* spp. D. Egg of *T. vulpis*.

CONCLUSIONS

There is a problem related to the presence of intestinal parasitosis in dogs, probably due to the lack of prior diagnosis and the performance of blind antiparasitic protocols in the veterinary clinic area, since the subclinical nature of the parasites does not allow detecting their presence in the animals.

On the contrary, in vector-borne diseases there is a previous diagnosis that helps in the early detection of parasites in dogs and allows the administration of an effective treatment that enables the control of the diseases.