



Facultad de Veterinaria
Universidad Zaragoza



Atlas virtual de parasitología veterinaria

Proyecto de innovación docente PRAUZ_2024_5444

Introducción

Contenidos del curso y autoevaluación

El curso constará de 5 módulos que incluyen los principales parásitos de interés veterinario:

- 1. Protozoos**
2. Cestodos
3. Trematodos
4. Nematodos
5. Artrópodos

Al final de cada módulo se dispone de una autoevaluación para evaluar los conocimientos adquiridos tras el desarrollo del mismo.



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Módulo 1. Protozoos

Módulo 1. Protozoos

Listado de parásitos

- *Babesia canis*
- *Besnoitia besnoiti*
- *Cryptosporidium parvum*
- *Eimeria spp.*
- *Cystoisospora suis*
- *Giardia intestinalis*
- *Hemoproteus sp.*
- *Myxobolus sp.*
- *Nosema apis*
- *Plasmodium*
- *Sarcocystis*
- *Toxoplasma gondii*
- *Trichomonas*
- Estadíos evolutivos

Babesia canis

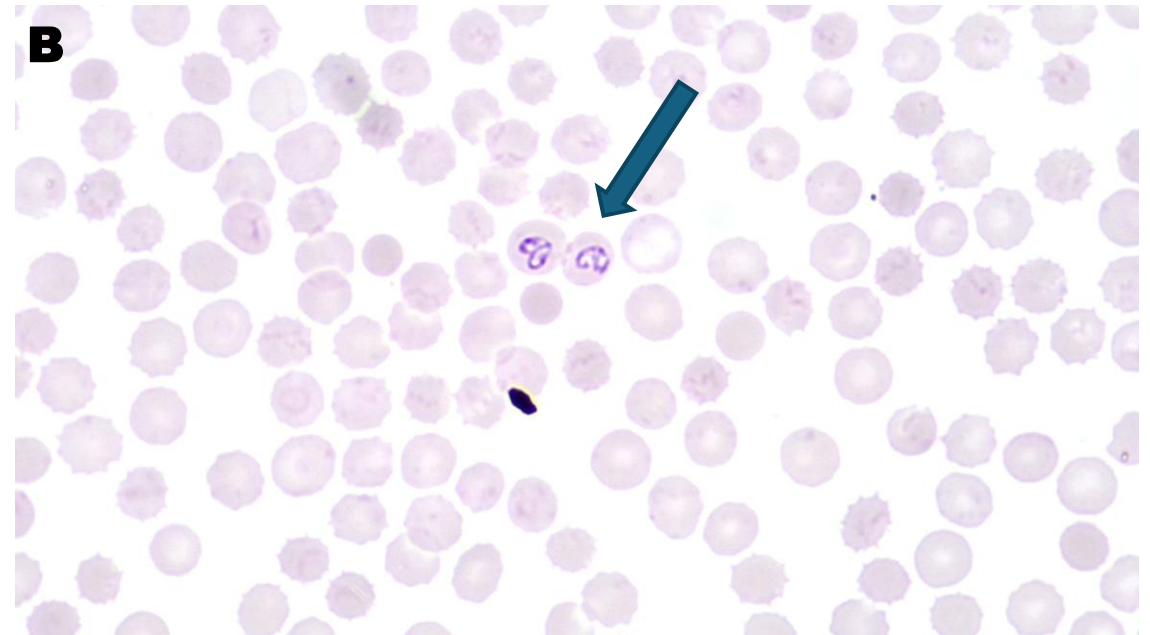
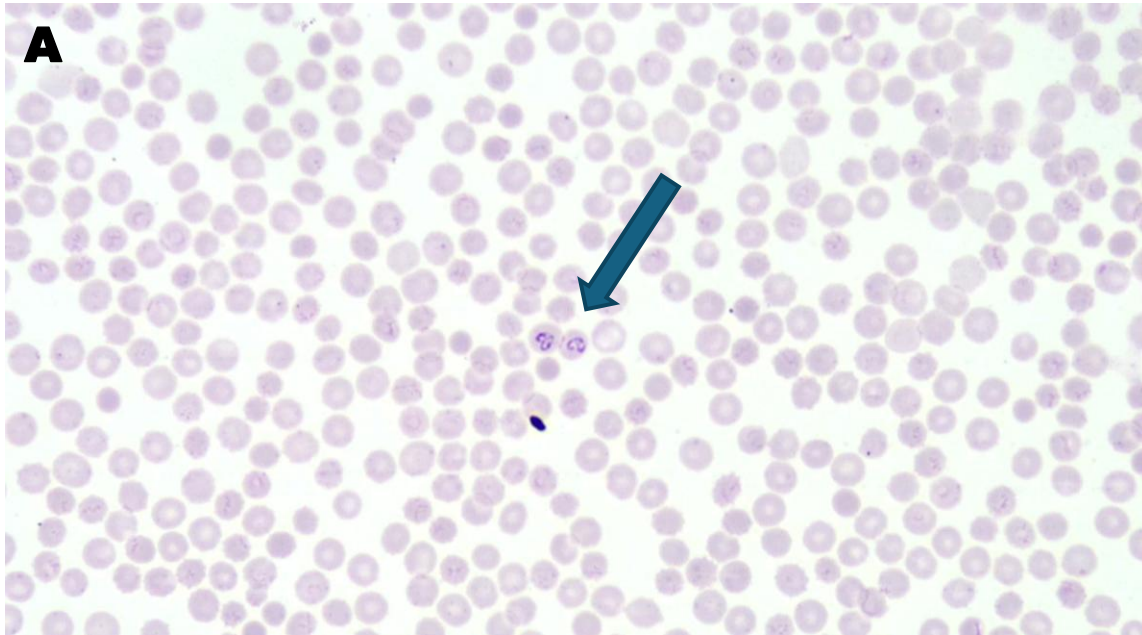
Phylum: Apicomplexa

Clase: Haemozoa

Familia: Babesiidae

Género: Babesia

Babesia canis



Merozoitos de *Babesia canis* en frotis sanguíneo (A: x40; B: x100)

Besnoitia besnoiti

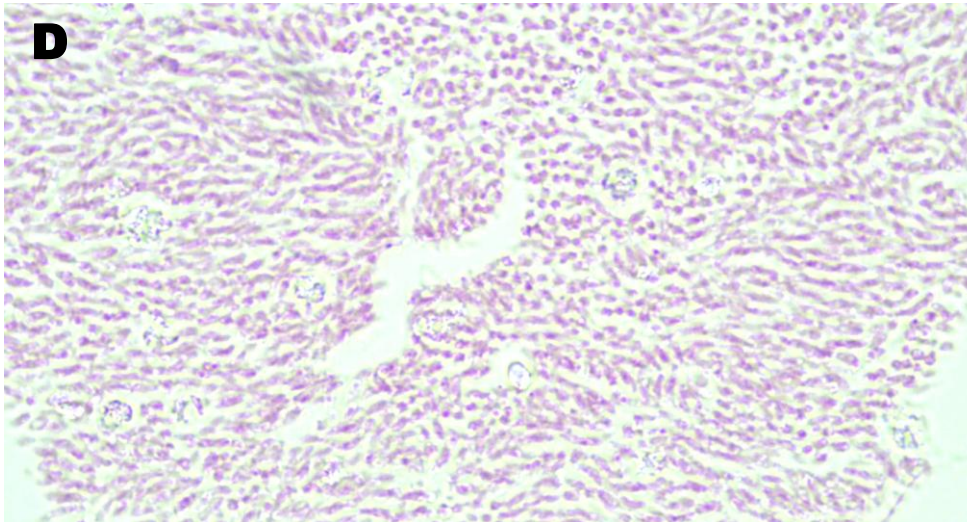
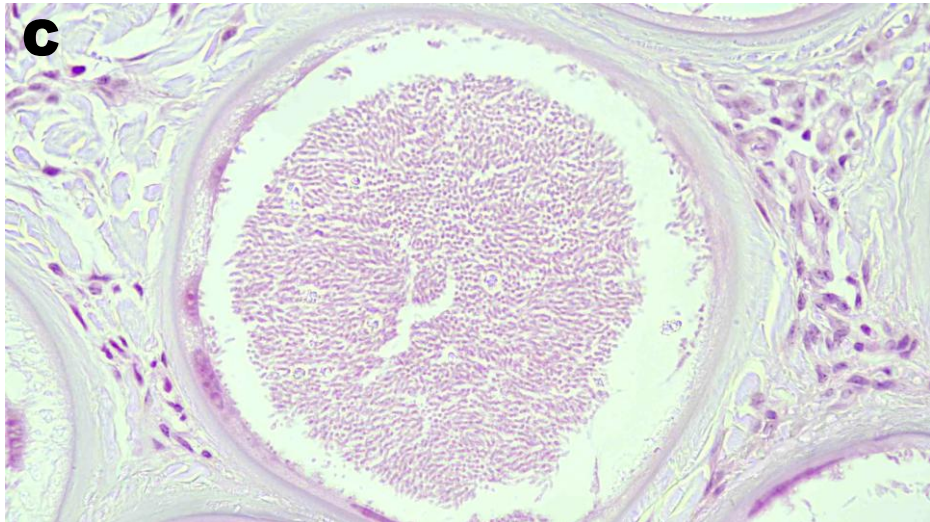
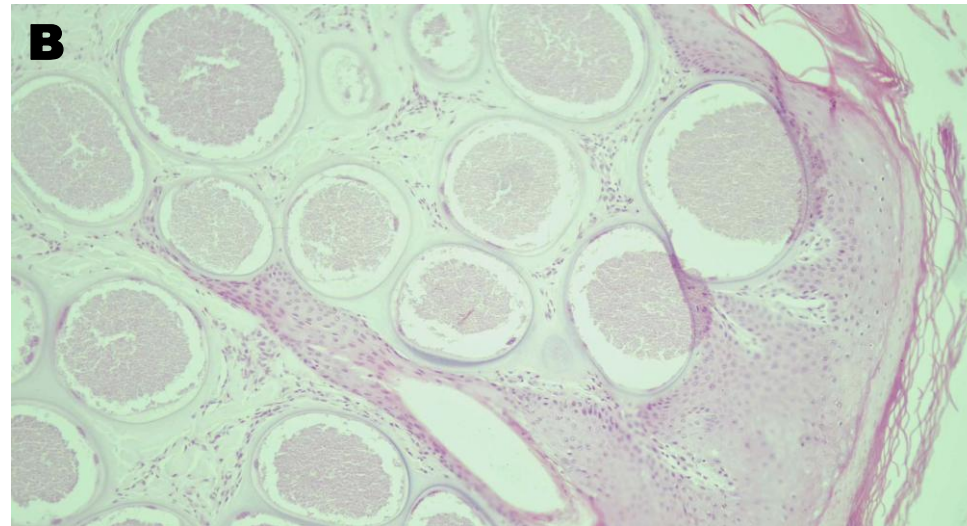
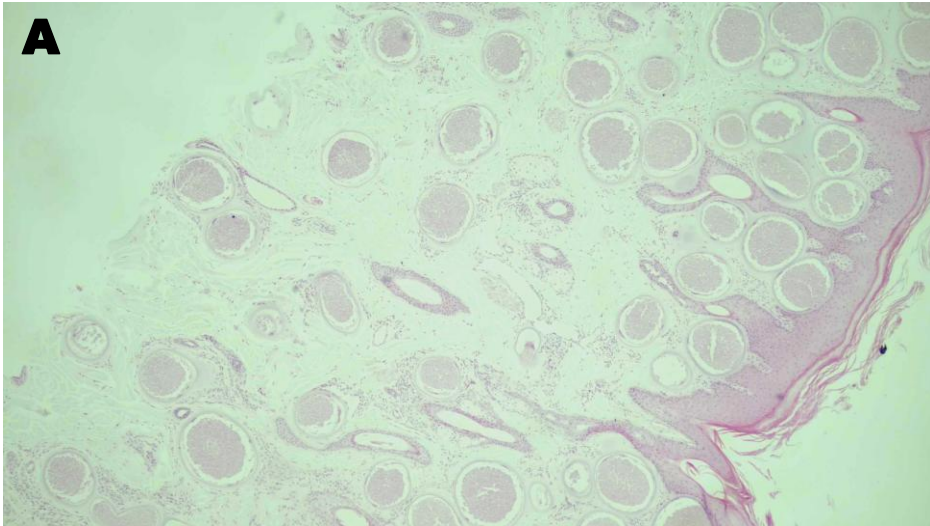
Phylum: Apicomplexa

Clase: Conoidasida

Familia: Sarcocystidae

Género: Besnoitia

Besnoitia besnoiti



Quistes de *Besnoitia besnoiti* a distintos aumentos:

- A: x4
- B: x10
- C: x40
- D: x100

Cryptosporidium parvum

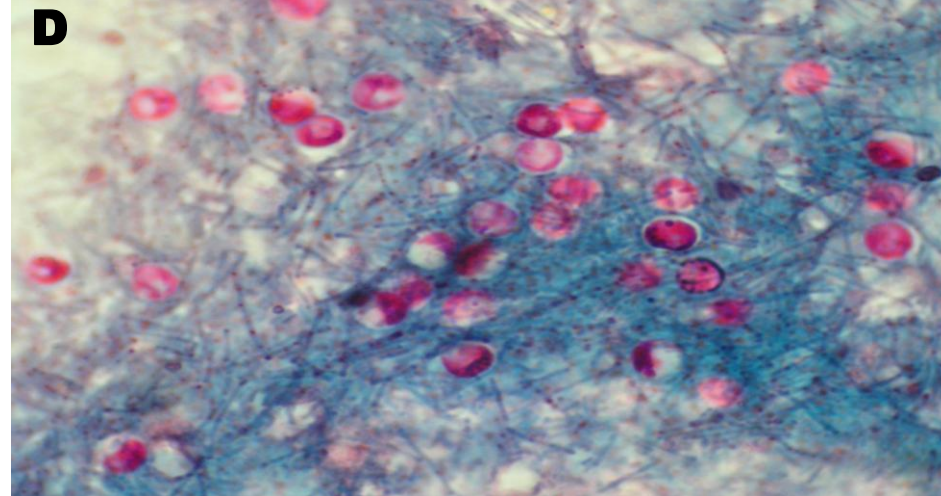
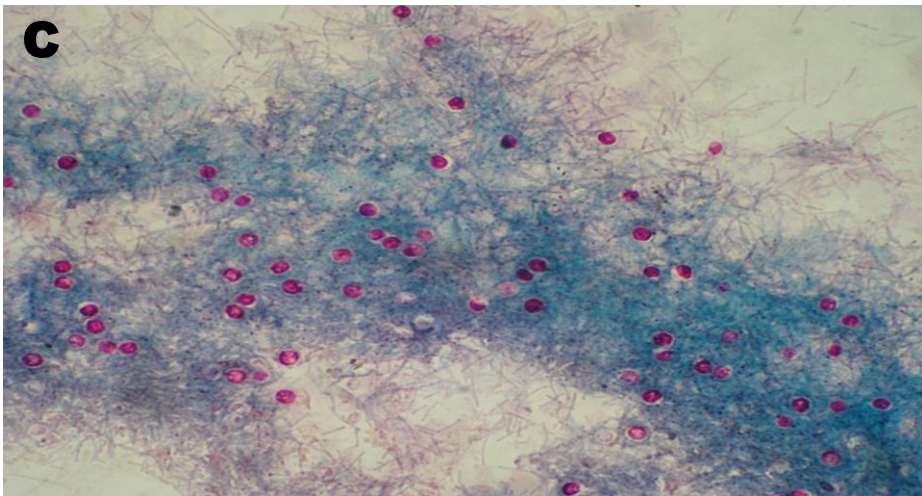
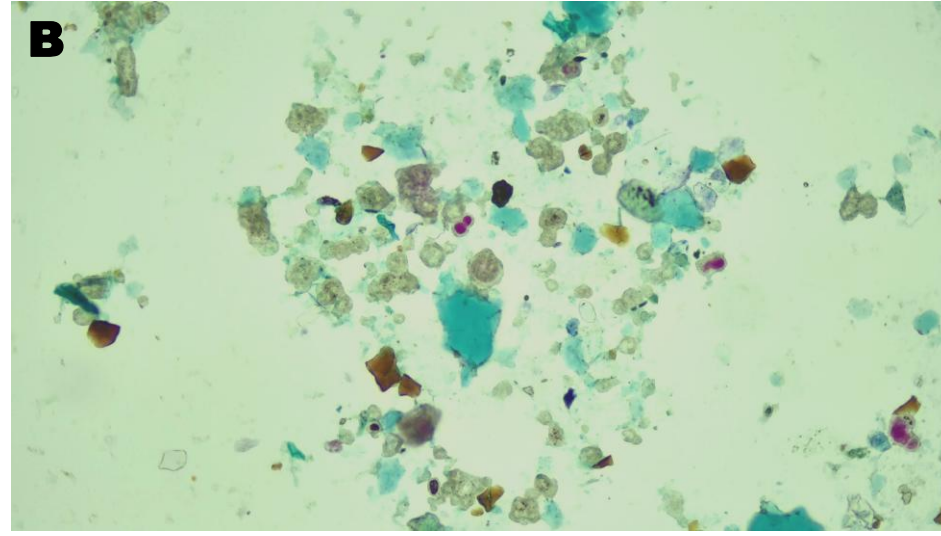
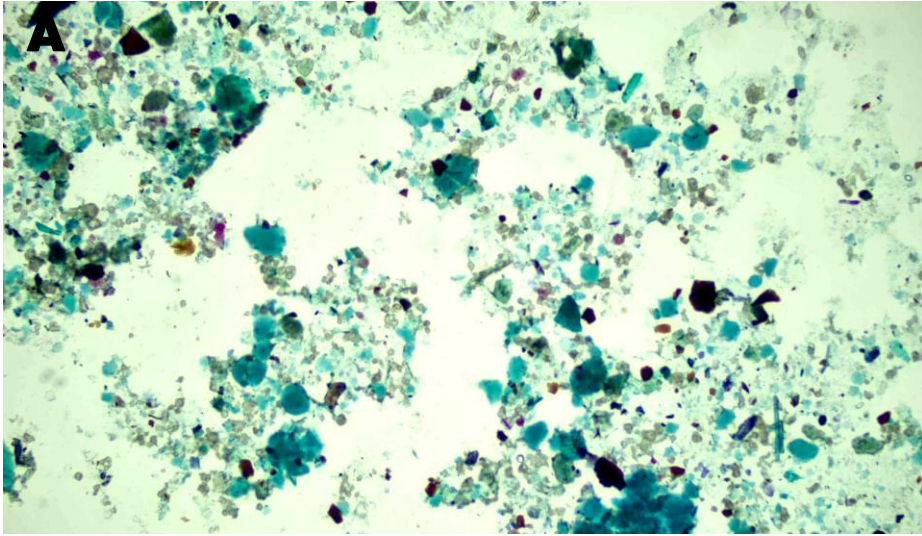
Phylum: Apicomplexa

Clase: Conoidasida

Familia: Cryptosporidiidae

Género: Cryptosporidium

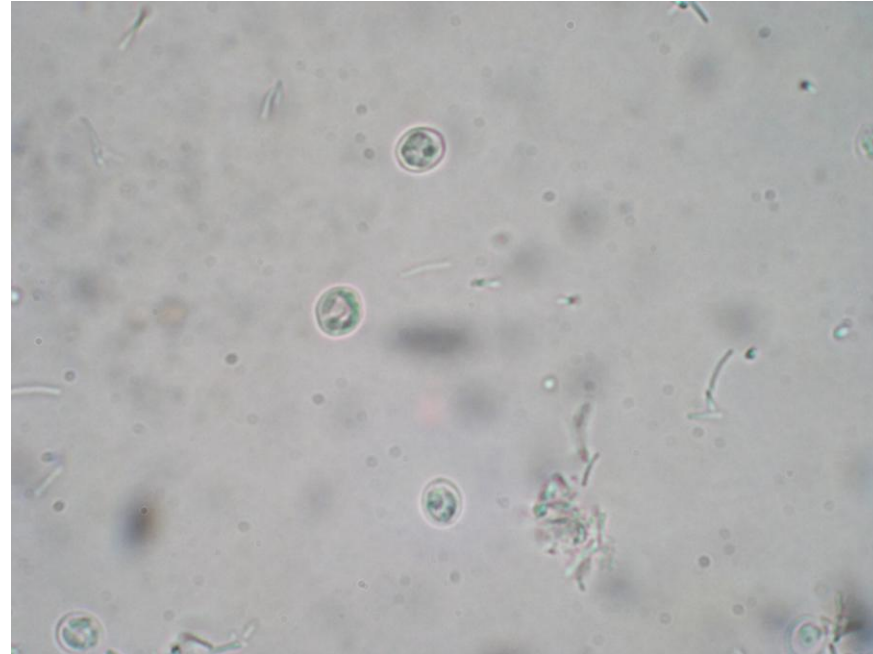
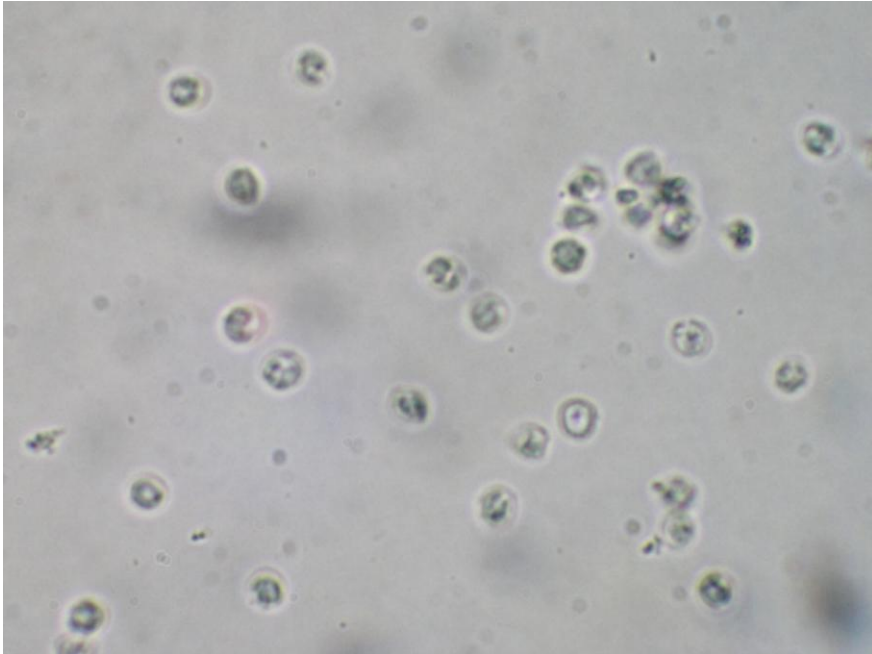
Cryptosporidium parvum



Ooquistes de
Cryptosporidium parvum
a distintos aumentos:

- A: x4
- B: x10
- C: x40
- D: x100

Cryptosporidium parvum



Ooquistes de *Cryptosporidium parvum* en fresco
(A: x40; B:x100)

Cystoisospora suis

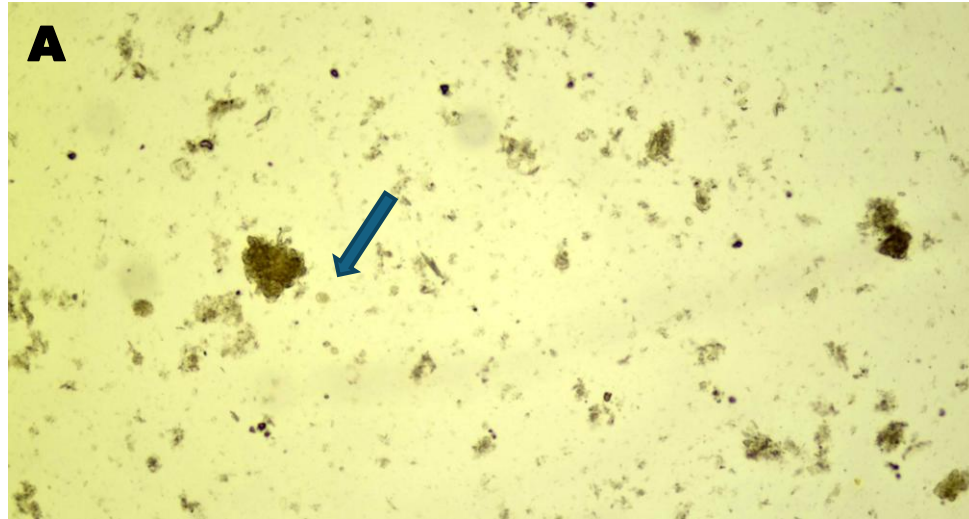
Phylum: Apicomplexa

Clase: Conoidasida

Familia: Sarcocystidae

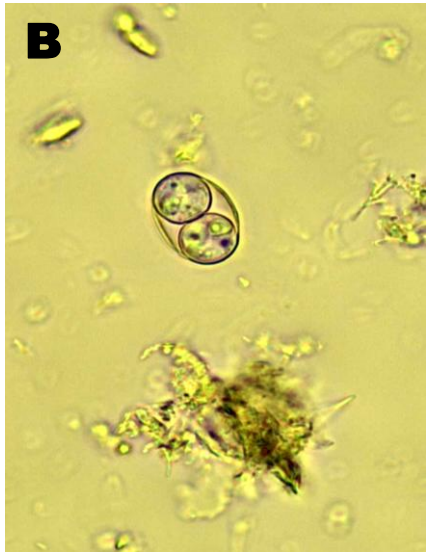
Género: Cystoisospora

Cystoisospora suis



Ooquistes de *Cystoisospora suis*

- A: x10
- B: Ooquistes esporulados de *C. suis* (x40 y x100)
- C: Ooquistes no esporulados de *C. suis* (x40 y x100)



Eimeria sp.

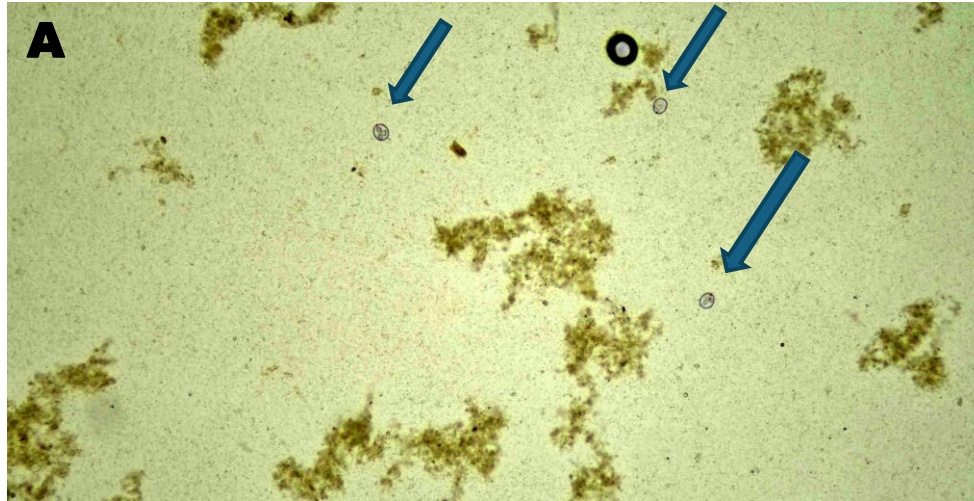
Phylum: Apicomplexa

Clase: Conoidasida

Familia: Eimeriidae

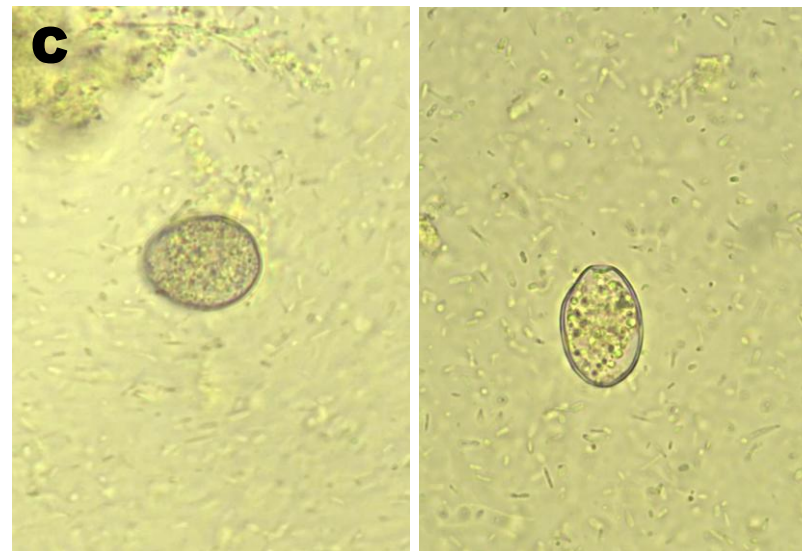
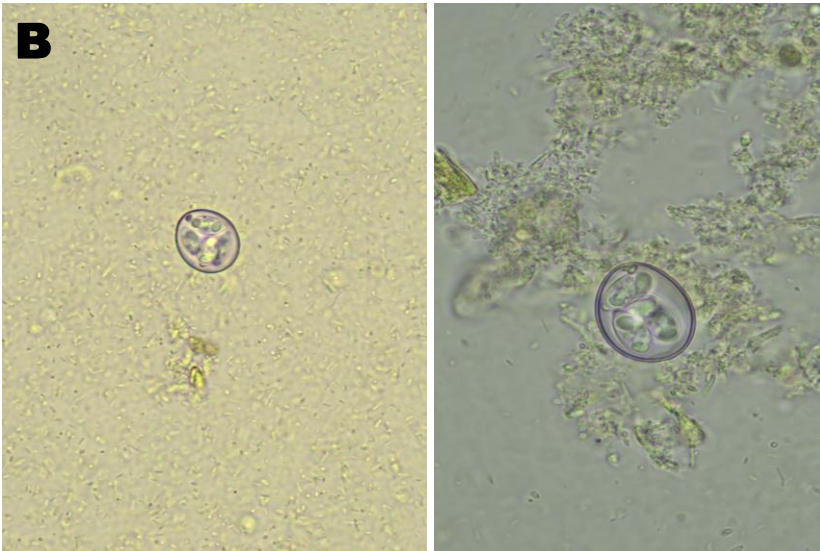
Género: Eimeria

Eimeria spp.



Ooquistes de *Eimeria* spp.

- A: x10
- B: Ooquistes esporulados de *Eimeria* spp. (x40 y x100)
- C: Ooquistes no esporulados de *Eimeria* spp. (x40 y x100)



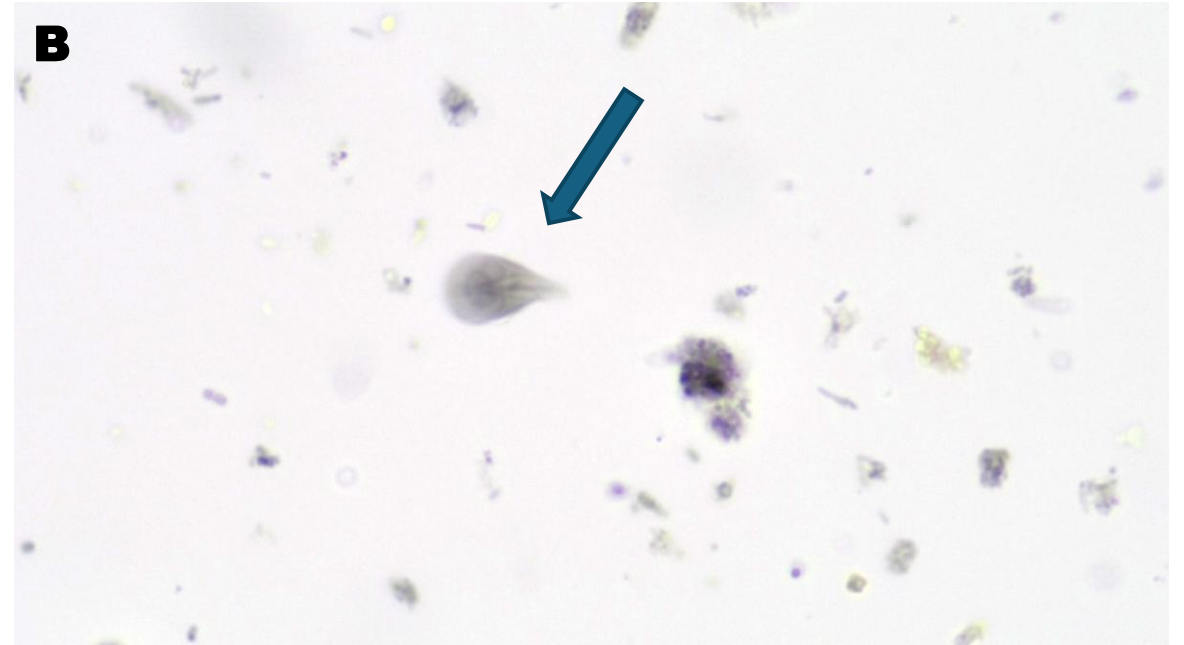
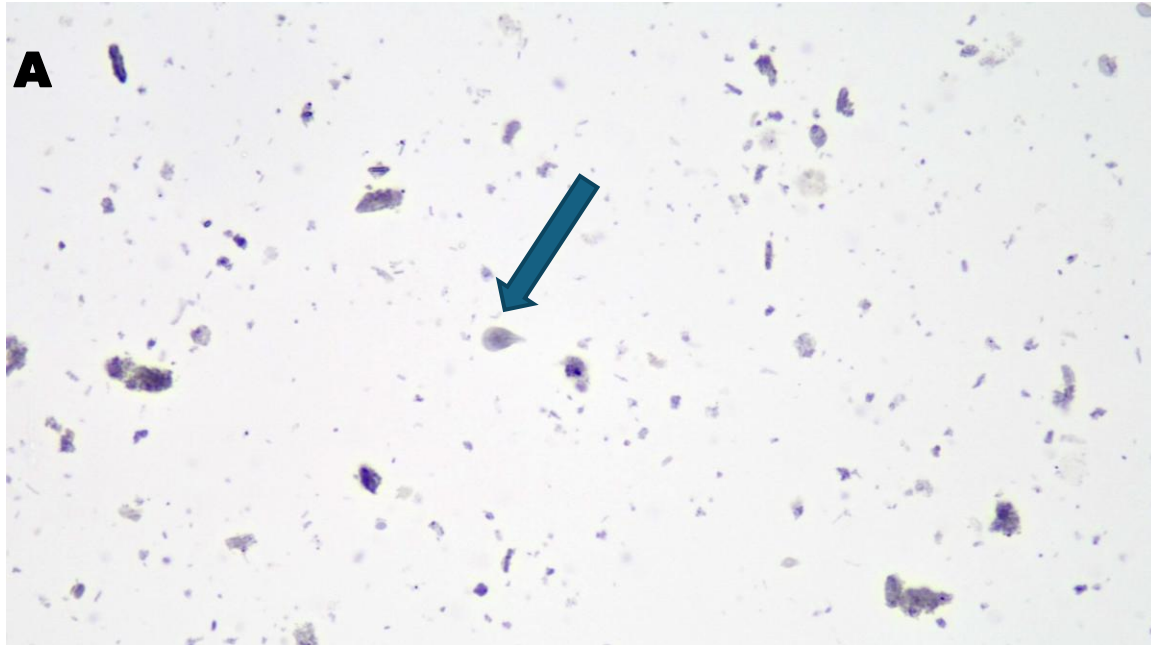
Giardia intestinalis

Phylum: Fornicata

Familia: Hexamitidae

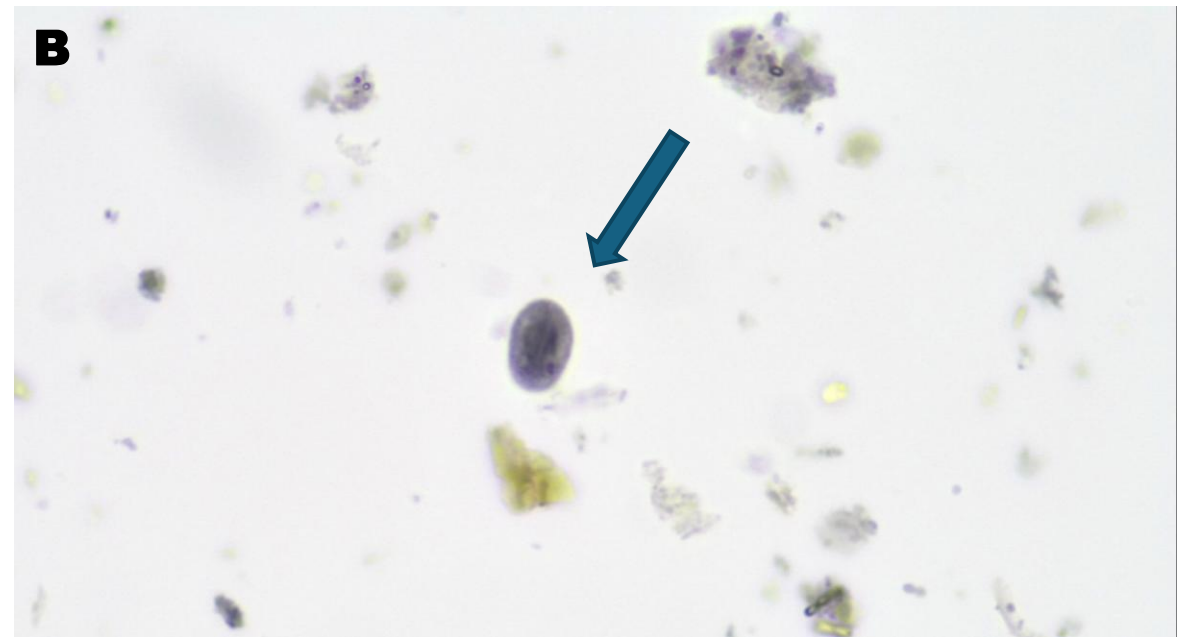
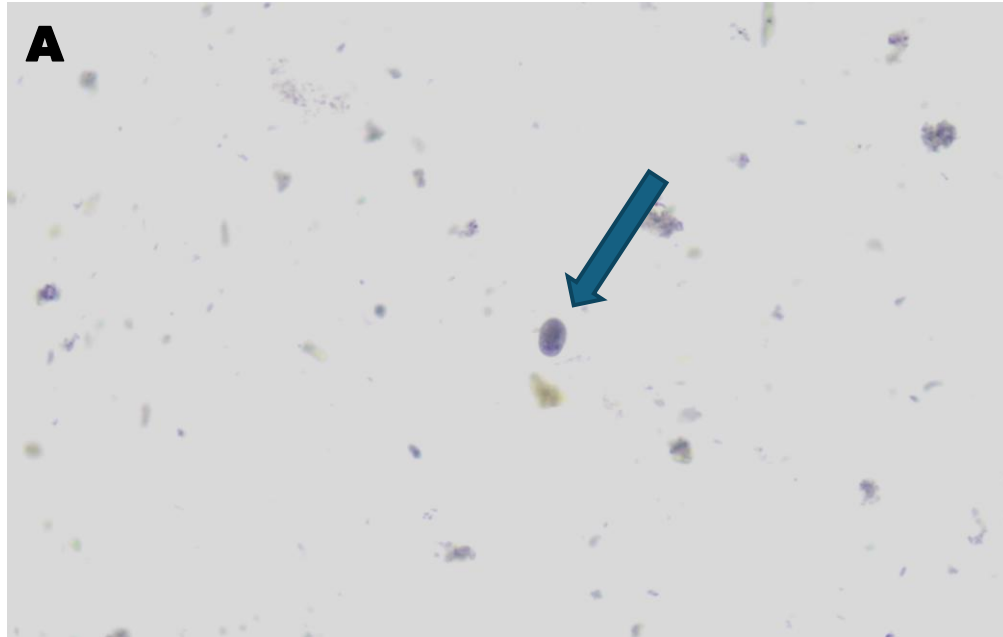
Género: Giardia

Giardia intestinalis



Trofozoito de *Giardia intestinalis*
(A: x40; B: x100)

Giardia intestinalis



Quiste de *Giardia intestinalis*
(A: x40; B: x100)

Haemoproteus sp.

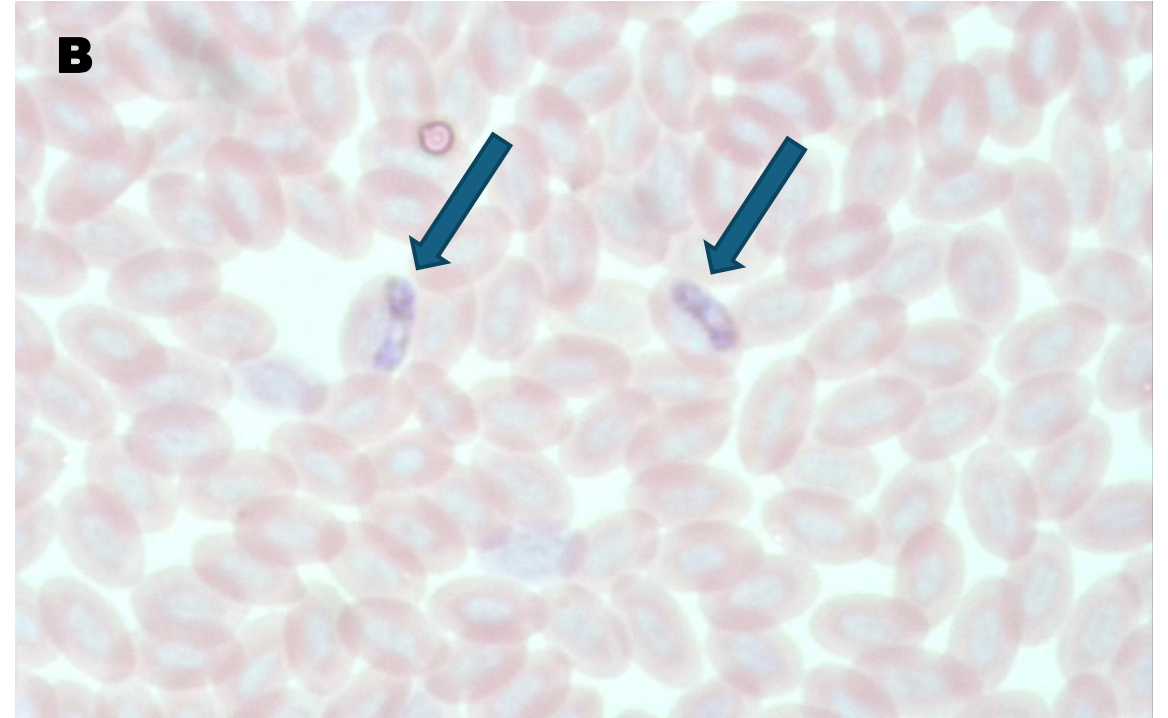
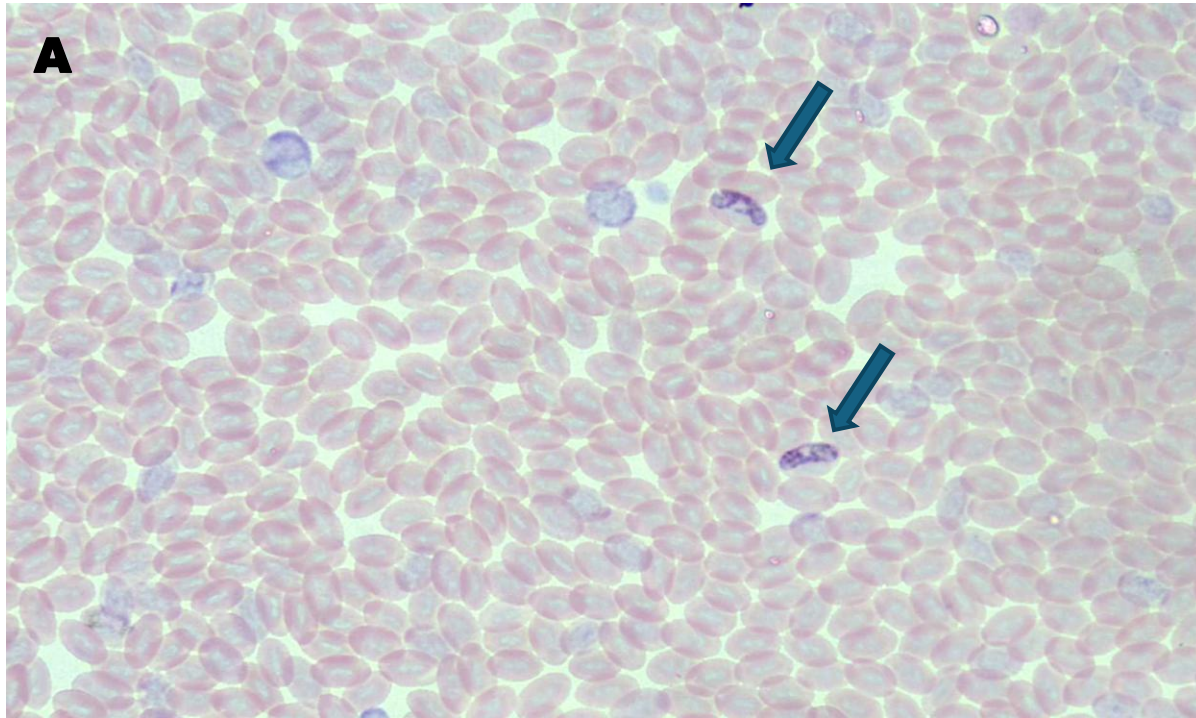
Phylum: Apicomplexa

Clase: Aconoidasida

Familia: Haemoproteidae

Género: Haemoproteus

Haemoproteus sp.



Gamontes de *Haemoproteus* sp. en frotis sanguíneo
(A: x40; B: x100)

Myxobolus sp.

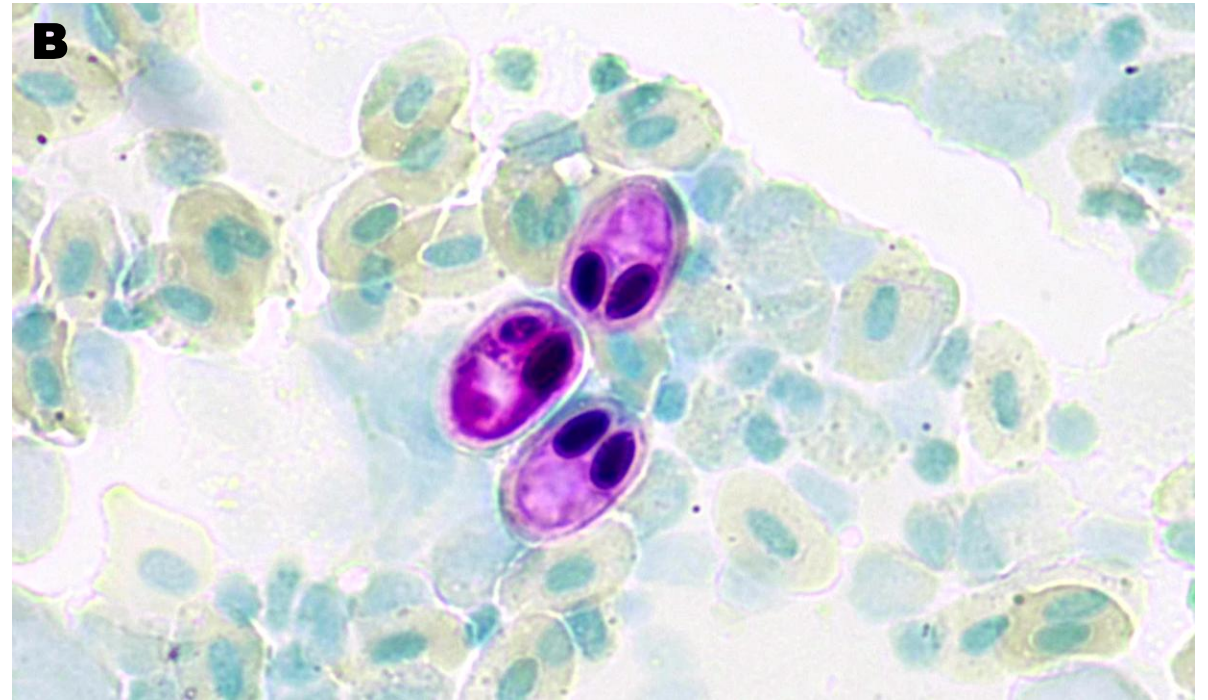
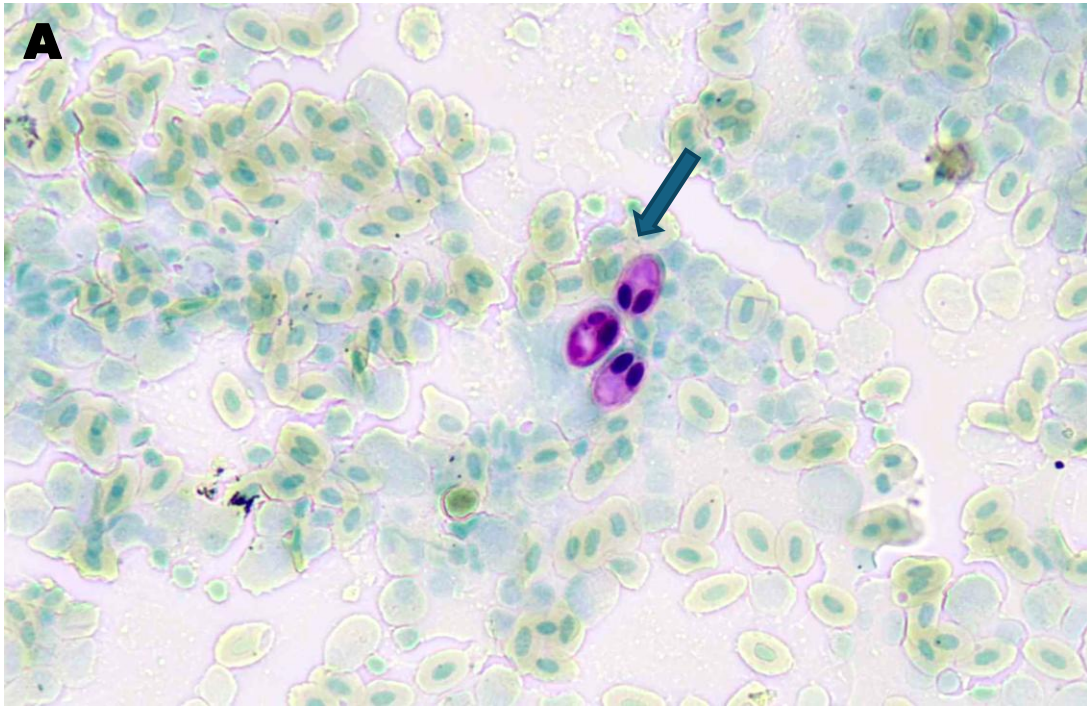
Phylum: Cnidaria

Clase: Myxozoa

Familia: Myxobolidae

Género: Myxobolus

Myxobolus sp.



Esporos de *Myxobolus* sp.
(A: x40; B: x100)

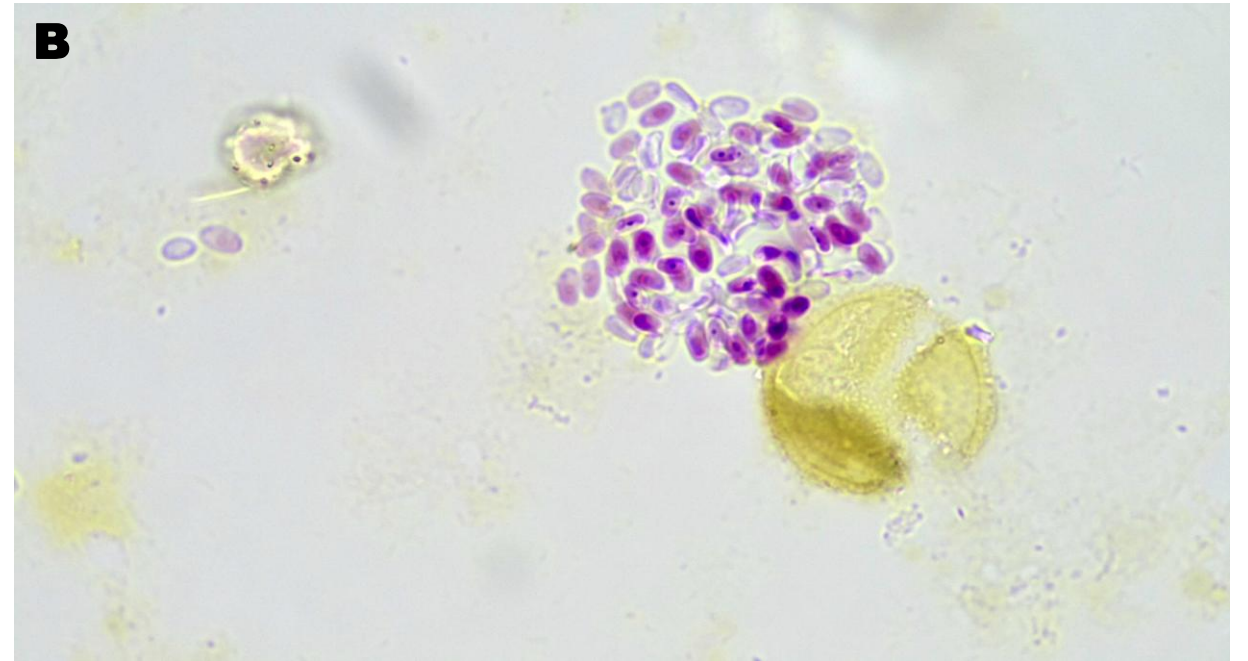
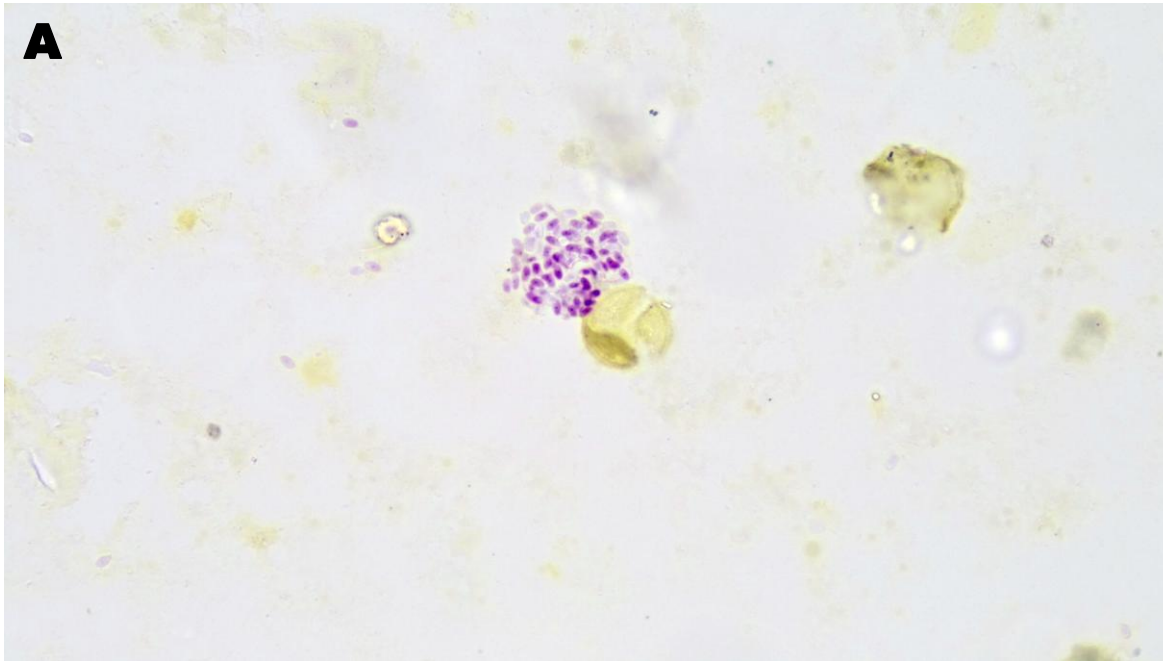
Nosema apis

Phylum: Microsporidia

Familia: Nosematidae

Género: Nosema

Nosema apis



Esporos de *Nosema apis*.
(A: x40; B: x100)

Plasmodium sp.

Phylum: Apicomplexa

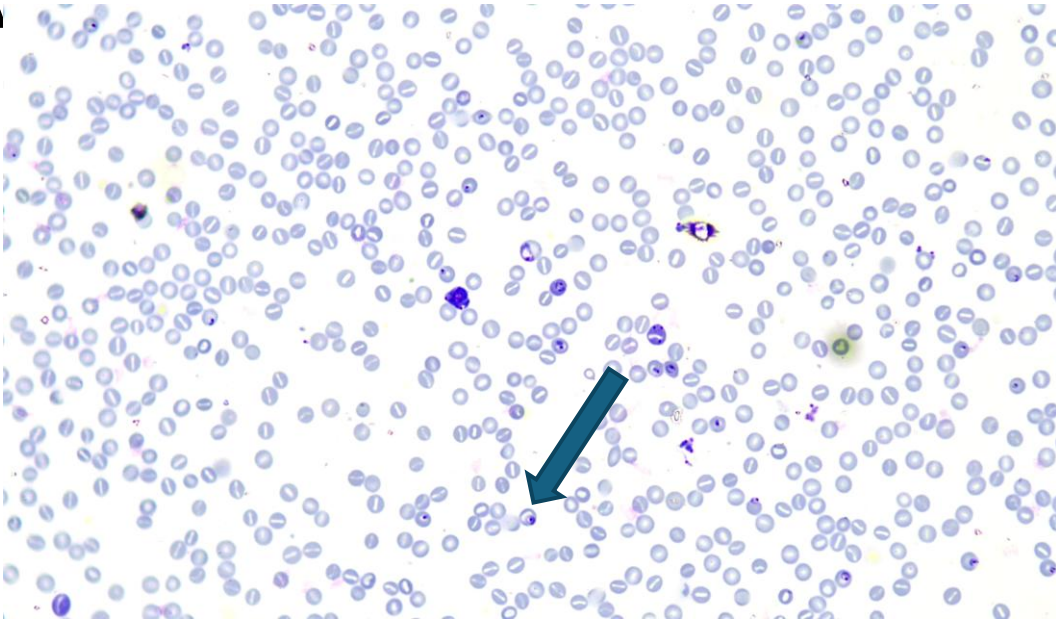
Clase: Aconoidasida

Familia: Plasmodiidae

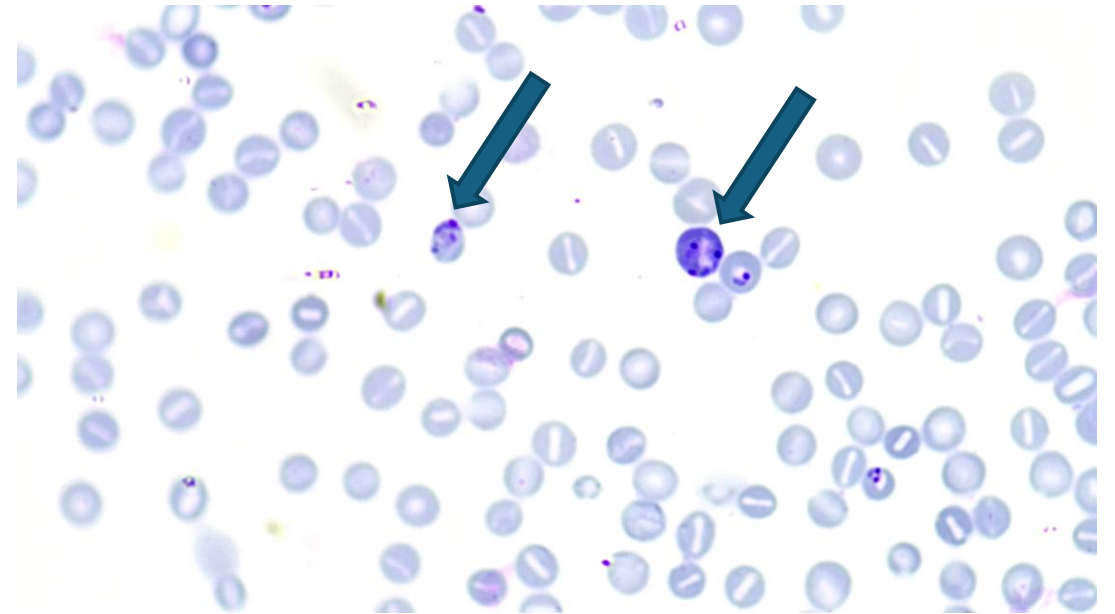
Género: Plasmodium

Plasmodium

A



B



Sarcocystis

Phylum: Apicomplexa

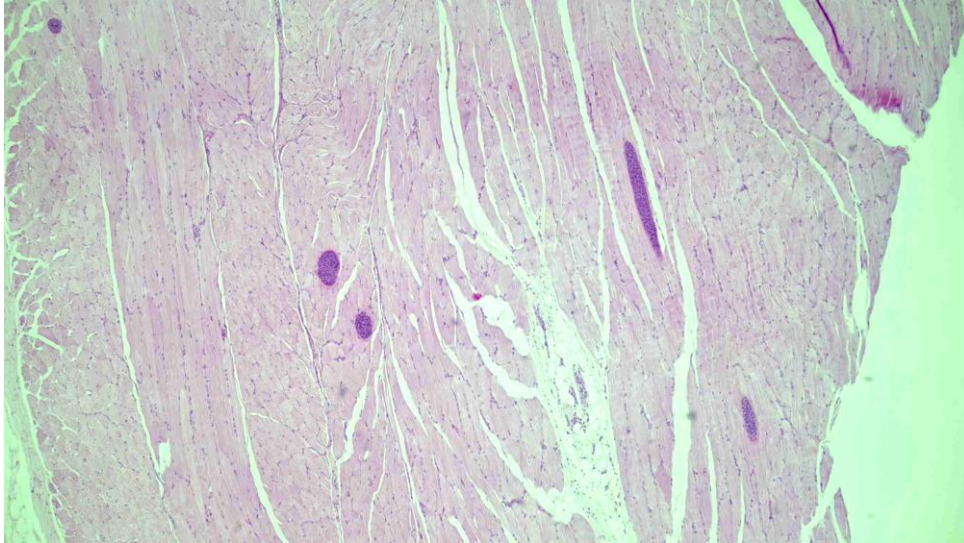
Clase: Conoidasida

Familia: Sarcocystidae

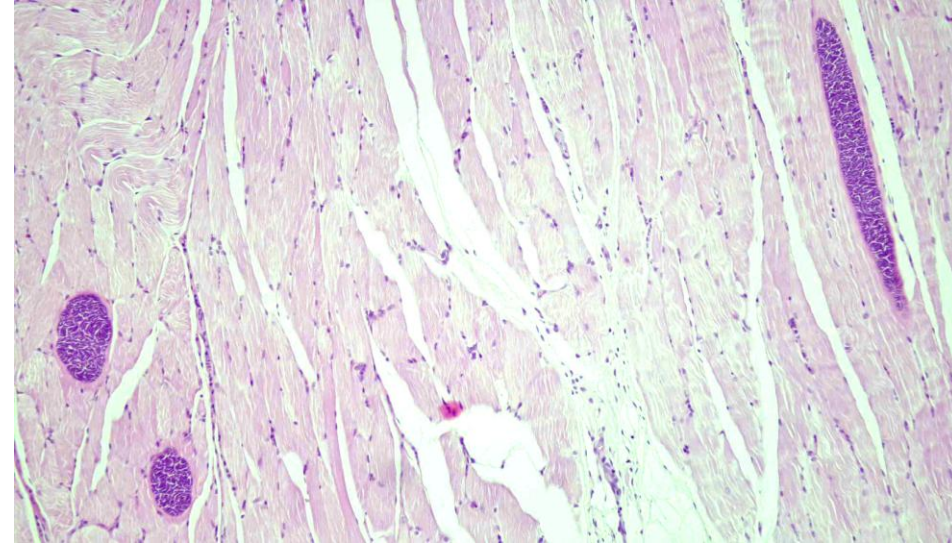
Género: Sarcocystis

Sarcocystis

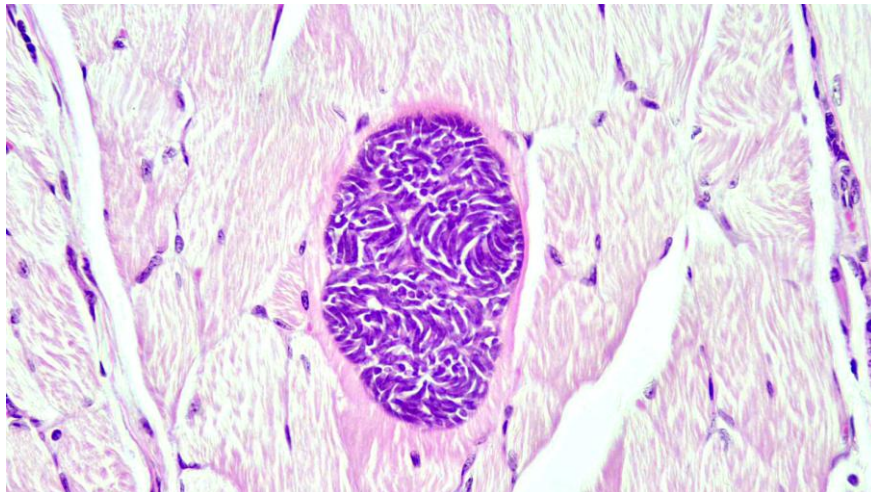
A



B



C



Quistes de *Sarcocystis*
(A: x4; B: x10; C: x40)

Toxoplasma

Phylum: Apicomplexa

Clase: Conoidasida

Familia: Sarcocystidae

Género: Toxoplasma

Toxoplasma

A



B



Taquizoitos de *Toxoplasma*
(A: x40; B: x100)

Trichomonas

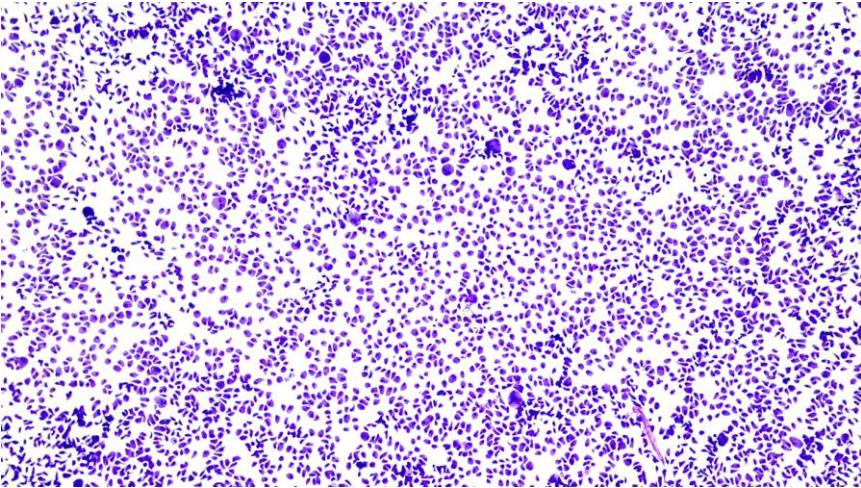
Phylum: Parabasalia

Familia: Trichomonadidae

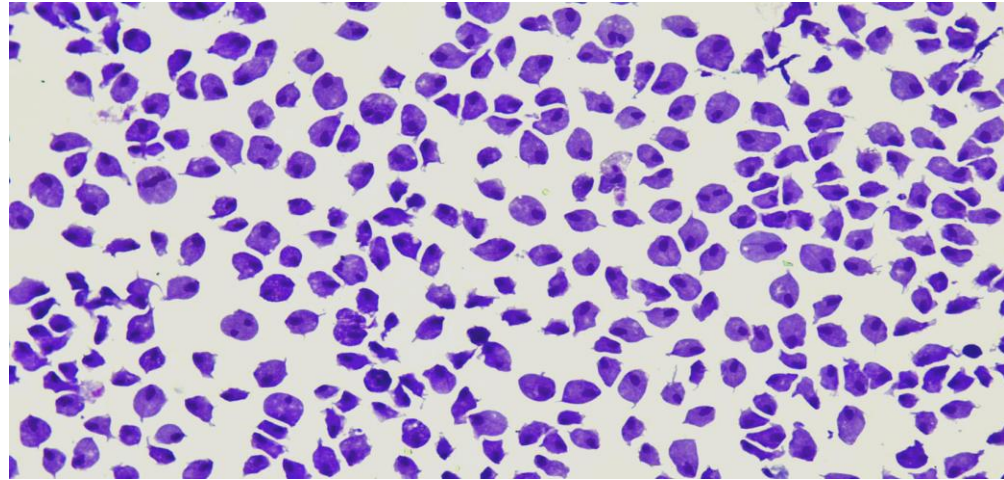
Género: Trichomonas

Trichomonas

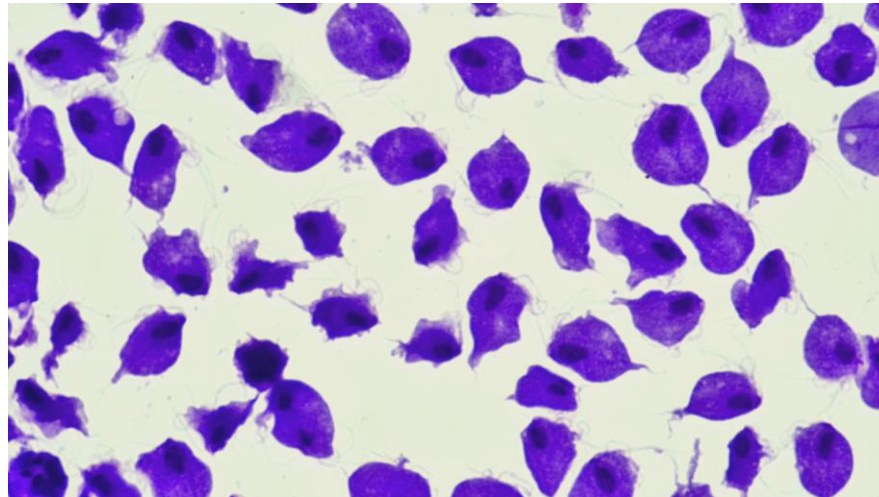
A



B

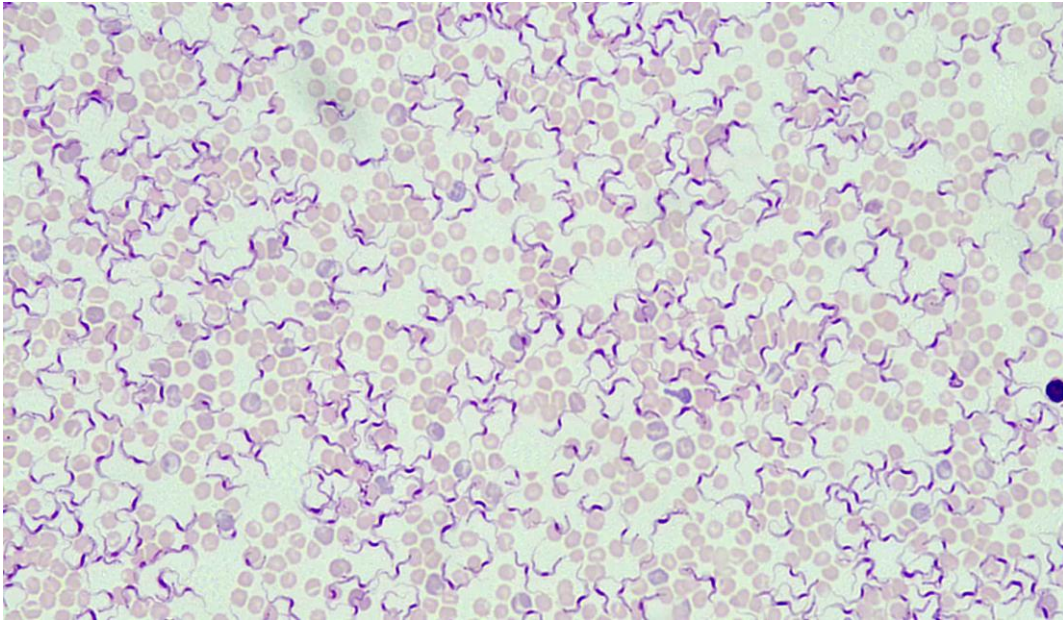


C

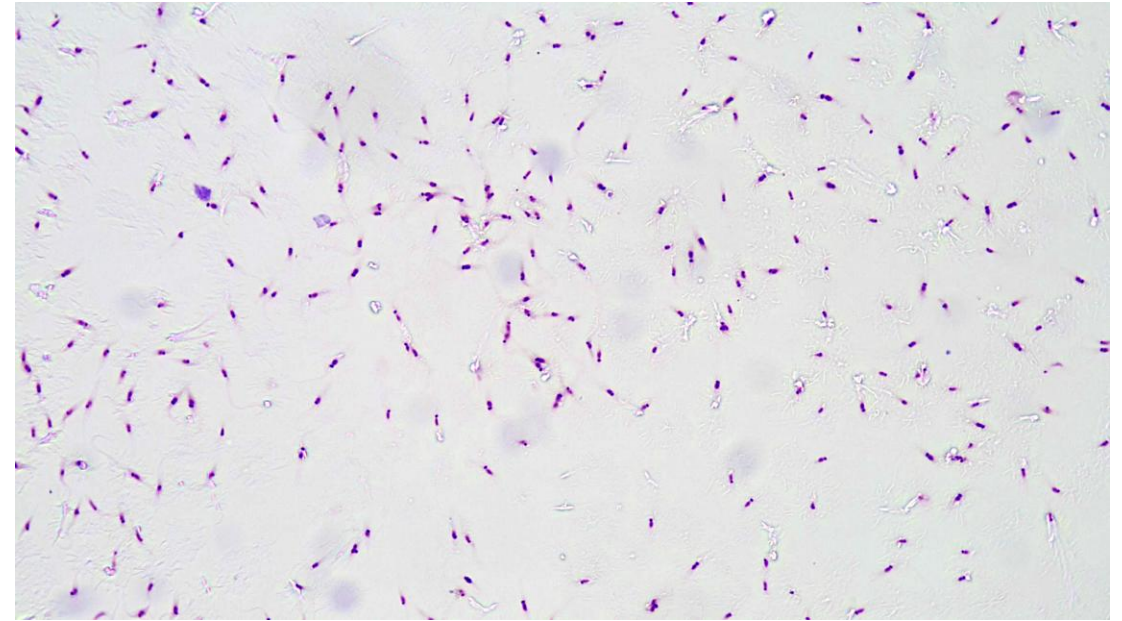


Trofozoito de *Trichomonas*
(A: x10; B: x40; C: x100)

Estadios evolutivos



Tripomastigotes
(x40)

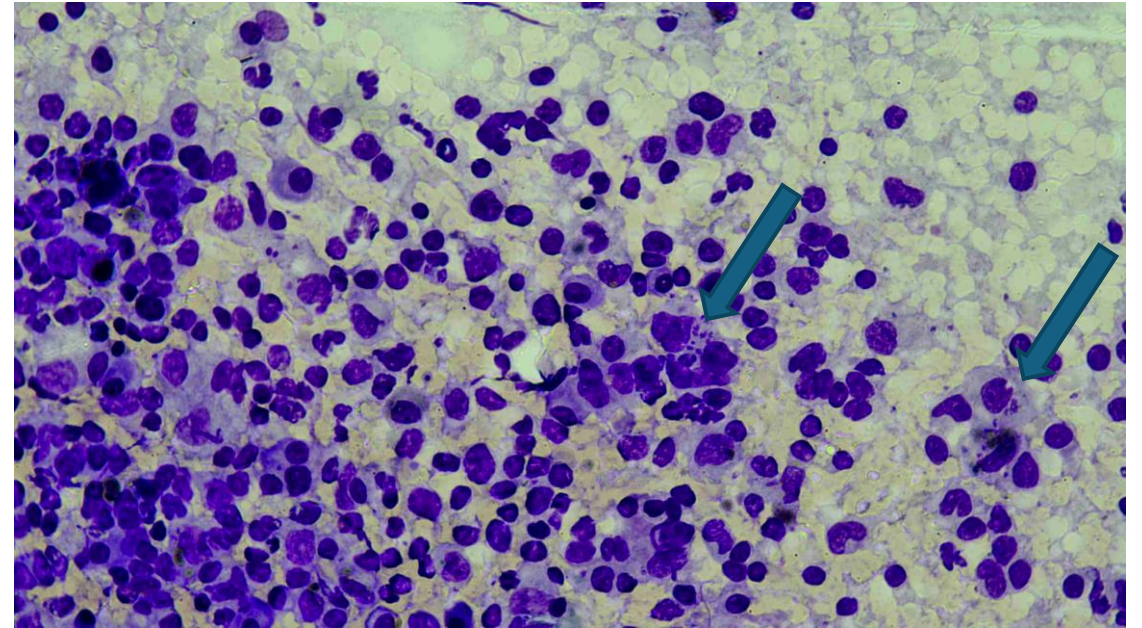


Epimastigotes
(x40)

Estadios evolutivos



Promastigotes
(x40)



Amastigotes
(x40)