

Miscellaneous Protozoa

Jill Dennis and Elizabeth Zeibig

WHAT'S AHEAD

Focusing In
Miscellaneous Protozoa
Classification
Belantidium coli
Isospora belli

Sarcocystis species
Cryptosporidium parvum
Blastocystis hominis
Cyclospora cayentensis
Microsporidia

Toxoplasma gondii
Pneumocystis jirovecii
(*Pneumocystis carinii*)
Looking Back

LEARNING OBJECTIVES

On completion of this chapter and review of its figures and corresponding photomicrographs, the successful learner will be able to:

- 7-1. Define the following key terms:
Bradyzoite (pl., bradyzoites)
Cilia
Ciliata (pl., ciliates)
Coccidia
Gametogony
Macronucleus
Micronucleus
Sporoblast (pl., sporoblasts)
Sporocyst (pl., sporocysts)
Tachyzoite (pl., tachyzoites)
- 7-2. State the geographic distribution of each of the protozoa discussed.
- 7-3. Given a list of parasites, select the organism(s) belonging to the class Ciliata, Sporozoa, or Blastocystea. Discuss any controversy surrounding classification, if applicable.
- 7-4. Classify each of these protozoa as intestinal or extraintestinal.
- 7-5. Briefly summarize the life cycle of each organism discussed.
- 7-6. Identify and describe the populations prone to contracting symptoms and clinically significant disease processes associated with each of the pathogenic organisms discussed.
- 7-7. Identify and describe each of the following as they relate to the organisms discussed:
A. Disease, condition, and prognosis
B. Treatment options
C. Prevention and control measures
- 7-8. Select the specimen(s) of choice, collection and processing protocol(s), and laboratory diagnostic technique for the recovery of each of the miscellaneous Protozoa.
- 7-9. Given a description, photomicrograph, and/or diagram of one of the organisms described, correctly:
A. Identify and/or label the designated characteristic structure(s).
B. State the purpose of the designated characteristic structure(s).
C. Identify the parasite by scientific name and morphologic form.
D. State the common name for associated conditions and diseases, if applicable.
- 7-10. Analyze case studies that include pertinent information and laboratory data and do the following:
A. Identify and differentiate each responsible organism by scientific name,

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Harold Heatwole, Jodi Rowley



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Carmichael, Bernard R. Sarchet, 1974 Textbook on the personnel management role of the supervisor in business and industrial enterprises in the USA sets out the whole range of management skills e g Understanding of human relations required of and tasks evaluation recruitment training occupational safety and occupational health responsibilities etc to be performed by supervisors Diagrams flow charts graphs and references *Research in Education* ,1974 **Industrial**

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Larry Percy, Richard H. Elliott, 2020-12-25 Revised edition of the authors Strategic advertising management 2016

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centered coordinated health care and fosters appropriate treatment for children with chronic disease NEW Updated coverage takes a more global approach exploring the health status of children outside the U S Expanded imaging content offers valuable guidance on using various imaging modalities including how to prepare the child for diagnostics

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