1. For TINC, parasite burdens and inflammation are typically most severe in which tissue?
   1. Brain
   2. Small Intestines
   3. Heart
   4. Pancreas
   5. Spleen

Answer: D- Pancreas

1. Highest prevalence of hematologic parasites were found in which Illinois turtle?
   1. *Terrapene carolina carolina*
   2. *Emydoidea blandingii*
   3. *Terrapene ornata ornata*
   4. *Macrochelys temminckii*
   5. *Apalone spinifera*

Answer: B: Blanding’s Turtle

McFarland, Alexander, et al. **"A retrospective analysis of amoebiasis in reptiles in a zoological institution."** *Journal of Zoo and Wildlife Medicine* 52.1 (2021): 232-240.

**QUESTION:** Which entamoeba is most strongly associated with disease in reptiles?

1. E. invadens
2. E. terrapinae
3. E. insolita
4. E. barreti
5. E. ranarum

Answer: A - *Entamoeba invadens* often causes necrotic enteritis and hepatitis

*E. rerrapinae* usually described as commensal in chelonians not reported to cause disease

*E. ranarum* historically known as amphibian disease with only one report in snake

Haetrakul, Thanida, et al. **"Severe, Fatal Spirorchiidiasis in Confiscated, Smuggled Black Pond Turtles (Geoclemys hamiltonii) in Thailand, a Case Report and Review of the Literature."** *Journal of Herpetological Medicine and Surgery* 30.3 (2020): 118-122.

**QUESTION:** *From Mader Chapter 32 - spirorchiidiasis*

Which reptilian group is most commonly affected by spirorchiid flukes?

1. Marine turtles
2. Tuataras
3. Venomous snakes
4. Desert lizards
5. Freshwater crocodiles

Answer: A - marine turtles most common, freshwater turtles also can be affected

Which bile acid is most prevalent in a healthy Bearded dragon (Pogona vitticeps) and which is most common in a Bearded dragon after infection with Choleoeimeria pogonae ?

Answer: Healthy = Tauroallochoic acid, infected = allochoic acid (deconjugation with taurine)

Successful treatment of anchor worm infestation in mexican axoltl has been documented with what medication, coupled with manual removal?

1. Lufenuron
2. Milbemycin oxime
3. Ivermectin
4. Terbinafine
5. Chloramphenicol

Answer: A

**Practice Question:** What is the gold-standard antemortem sample for diagnosing *Cryptosporidium serpentis* in eastern indigo snakes?

Answer: Gastric biopsy

**Practice Question:** Which of the following assays is considered the most sensitive for *Cryptosporidium serpentis* in colubrids?

1. PCR
2. ELISA
3. IFA
4. IHC
5. Acid-Fast

Answer: A