Which of the following best describes Iguanid herpesvirus 1?

1. Double stranded DNA alphaherpesvirus
2. Single stranded DNA alphaherpesvirus
3. Double stranded DNA betaherpesvirus
4. Single stranded DNA betaherpesvirus
5. Double stranded DNA gammaherpesvirus

Answer: A

Which of the following is true regarding lysine and lactoferrin on testudinid herpesvirus and ranavirus in cell culture?

1. Lactoferrin showed that it had inhibitory effect on herpesvirus and ranavirus
2. Lysine and Lactoferrin together had a clear reduction on TeHV1 after 48 hours
3. Highest average reductions for ranavirus was found after 48 hours of lysine alone
4. Arginine levels do no influence the effectivity of lysine on virus replication
5. Lysine and Lactoferrin had no effect on reduction on either ranavirus or TeHV1

Answer: C

**QUESTION:** Which pathogen are you most likely to detect via oropharyngeal-cloacal swabs with high prevalence in apparently healthy diamondback terrapins?

1. *Salmonella typhimurium*
2. *Mycoplasma testudineum*
3. *Terrapene herpesvirus 1*
4. *Borrelia burgdorferi*
5. *Anaplasma phagocytophilum*

Answer: B - commonly causes upper respiratory disease in susceptible testudinidae chelonians

*Source: Vorbach et al. JWD 2022. PREVALENCE OF MULTIPLE REPTILIAN PATHOGENS IN THE OROPHARYNGEAL MUCOSA, CLOACAL MUCOSA, AND BLOOD OF DIAMONDBACK TERRAPIN (MALACLEMYS TERRAPIN) POPULATIONS FROM MARYLAND AND GEORGIA, USA.*

**QUESTION:** How does infection with herpesvirus most commonly present in tortoises vs. pond turtles vs. sea turtles?

Answer: stomatitis in tortoises, hepatic necrosis in pond turtles, and fibropapillomas in sea turtles

*Source: Willis et al. JHMS 2021. Absence of Herpesvirus in a Survey of Alligator Snapping Turtles (Macrochelys temminckii) in Illinois and Louisiana.*

[**EMYDID HERPESVIRUS 1 INFECTIONS IN WESTERN POND TURTLES (*ACTINEMYS MARMORATA*) AND A RED-EARED SLIDER (*TRACHEMYS SCRIPTA ELEGANS*) WITH FATAL AND NONFATAL OUTCOMES**](https://doi.org/10.1638/2021-0044)

**Practice Question:** Which of the following is a novel lesion found in Emydid herpesvirus-1 infection in the western pond turtle (*Actinemys marmorata*)?

1. Hepatocellular necrosis
2. Necrotizing splenitis
3. Interstitial pneumonia
4. Nonsuppurative meningoencephalitis
5. Necrohemorrhagic enterocolitis

Answer: E