Quiz 2

CBS 817 – Fall 2020

**KEY**

1. **What is the genus of this parasite, and briefly explain why this disease causes the external change as shown in the photo on the left. (2 points)**

****

**A picture containing green, person, bird, blue

Description automatically generated**

* *M. cerebralis* cause of ‘Whirling disease’ or ‘blacktail’, typically in salmonids
* Attacks cartilage of spine and damages sympathetic nerves (color change)
* Then see tail-chasing behavior

1. **Which of the following solutions is preferred for the humane euthanasia of moon jellyfish (Aurelia aurita) to minimize interference with nuclear magnetic resonance (NMR) analysis of tissues following euthanasia?**
   1. KCl
   2. MgSO4
   3. Eugenol
   4. **MgCl2**
   5. Pentobarbital
2. **Which of the following parasite-vector associations is correct?**
   1. Plasmodium – Simulidae
   2. Leucocytozoon – Hippoboscis
   3. Plasmodium – Ceratopogonidae
   4. Leucocytozoon – Culicidae
   5. **Haemoproteus - Hippoboscis**

***Continued on next page***

1. **List THREE anatomic differences between suids and peccaries (3 points)**

|  |  |
| --- | --- |
| **Suids** | **Peccaries** |
| Short, barrel shaped | Longer limbs, more slender |
| Males > females | No sexual dimorphism |
| Pelage variable | Dense, coarse, long bristles |
| Multiple scent gland locations | Dorsal rump scent gland |
| Facial “warts” | Salivary papillae |
| Prezygomatic shelf | Complex rostral cavity |
| Large canines, variable orientation | Canines point down and interlock |
| Simple stomach | 4-chambered stomach |
| Yes gallbladder | No gallbladder |