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I thought this month we would have fun with a quiz as we are trying to patiently wait prior to getting out in the fields this spring. And who knows? Maybe you'll be pulling some of the fun facts in this quiz up at an upcoming dinner party! Since farmers need to be experts in all areas of their operation, topics vary in this quiz (albeit I skipped anything mechanical as that's not my area of expertise). Answers are located at the end. Let's see how you do! And as always, with any questions feel free to reach out to any veterinarians at Heartland Vets, as we are always happy to answer.

Questions 1-3 are True or false questions on failure of passive transfer of colostrum (Total Proteins less than 5.2g/dL)

1. Failure of passive transfer increases the risk of death by two-fold
2. Failure of passive transfer increases scour treatments by 150%
3. Failure of passive transfer increases pneumonia treatment by 180%
4. How can we avoid failure of passive transfer?
 - a. Quality of colostrum
 - b. Quantity of colostrum
 - c. Cleanliness of colostrum and instruments used to feed it
 - d. Quickly getting into the animals
 - e. All of the above
5. When passing an esophageal tube feeder in a calf, what side of the calf's mouth should you pass it gently, prior to feeling it swallow?
 - a. Right
 - b. Left
6. What is the goal for average daily gains in a Holstein calf?
 - a. 0.4 kg/day
 - b. 0.5kg/day
 - c. 0.7kg/day
 - d. 0.8+ kg/day
7. Though 0% would be ideal, what is the treatment goal for pneumonia in calf barns?
 - a. 10%
 - b. 20%
 - c. 40%
 - d. 60%
8. A case of pneumonia in a calf has been shown to reduce milk production by how much in the first lactation of an animal with one case?
 - a. 50kg
 - b. 75kg
 - c. 110kg
 - d. 180kg
 - e. No milk loss



9. What is the recommended goal of mature body weight your heifers should reach prior to breeding?
 - a. 45%
 - b. 55%
 - c. 65%
 - d. 75%
10. What type of digestive systems are cows?
 - a. Hind gut fermenters
 - b. Ruminants
 - c. Pseudo-ruminants
 - d. Monogastric
11. What is the ideal chop length of straw to reduce sorting for dry cows?
 - a. 3 inches
 - b. 2.5 inches
 - c. 2 inches
 - d. 1.5 inches
 - e. 1 inch
12. What is the recommended feed bunk space for close-up dry cows?
 - a. 34-36 inches
 - b. 30-32 inches
 - c. 27-29 inches
 - d. 23-25 inches
13. What is a normal twin rate in a herd?
 - a. 0%
 - b. 5%
 - c. 8%
 - d. 10%
14. At what level of BHB should a cow be treated, and what is the time frame we are most concerned about post freshening?
 - a. BHB 1.2 > 14DIM+
 - b. BHB 1.2 > 3-14 DIM
 - c. BHB 3.0 > 14DIM+
 - d. BHB 3.0 > 3-14 DIM

15. What is a major driver to cow lameness?
 - a. Cow comfort
 - b. Feed
 - c. Hoof trimming
 - d. Digital Dermatitis
16. When lameness increases, what secondary impacts can it have?
 - a. Reduced reproductive success
 - b. Increased involuntary culling
 - c. Reduced milk production
 - d. All of the above
17. SCC of milk shipped in Ontario last month averaged out to what level of SCC?
 - a. 150 SCC
 - b. 180 SCC
 - c. 210 SCC
 - d. 250 SCC
18. What level of SCC and above is associated with milk loss?
 - a. 150 SCC
 - b. 200 SCC
 - c. 300 SCC
 - d. 400 SCC

Answers:

1. True; 2. True; 3. True; 4. E; 5. B; 6. D; 7. A; 8. D; 9. B; 10. B; 11. E; 12. B; 13. D; 14. B; 15. A; 16. D; 17. B; 18. B

I hope you enjoyed this quiz and maybe learned something!

Cheers,
Niki Alsop

ET CLIENTS

Please Note: Some staffing changes have occurred in the Embryo Transfer department at HVS, for any inquiries moving forward please contact Christie or the office directly.

Upcoming Stat Holidays

The clinic will be closed Victoria Day Weekend, May 18-20. As always, veterinarians will be available 24-7 for emergency service. The Saturday fee schedule will remain unchanged from non-stat weekends.