COVID-19 in Adults: Test Menu for Hospital Laboratories

QUIZ

1. Interleukin 6 (IL-6), an early marker of a patient’s inflammatory status drives the production of what acute phase inflammatory marker tested in Chemistry at EMCM?
2. High-Sensitive Troponin
3. C-reactive Protein
4. Homocysteine
5. Ammonia
6. Most laboratory markers for Covid-19 infection severity are increased lab test values. Which laboratory tests may be decreased?
7. CRP and LDH
8. Procalcitonin and D-Dimer
9. Albumin and Vitamin D 25(OH)
10. Ferritin and Haptoglobin
11. Procalcitonin testing in COVID patients is useful in monitoring:
12. A coexisting bacterial infection
13. The extent of damage to the liver
14. The extent of damage to the kidneys
15. The production of excessive calcitonin in the glomerulus.
16. Angiotensin-converting enzyme 2 (ACE2):
17. Is the functional receptor for SARS-CoV2
18. Can be expressed in multiple organs including the lungs, heart, and kidneys
19. Is a counterregulatory enzyme of the renin-angiotensin-aldosterone system
20. All of the Above
21. None of the Above
22. Cytokine storm syndrome:
23. Is not related to the body’s inflammatory immune response to SARS CoV-2
24. Is denoted by decrease in acute phase inflammatory markers.
25. Is denoted by a decrease in Serum Ferritin.
26. All of the Above
27. None of the Above
28. In acute sepsis, the consumption of multiple clotting factors during SARS CoV2 co-infection can result in:
29. Diabetic Comma
30. Disseminated intravascular coagulopathy
31. A blockage in the Gallbladder
32. Failed reuptake of manganese ions by the glomerulus.
33. Name three lab tests which may have abnormally high values if SARS CoV2 is causing Muscle Damage
34. BUN, Creatinine, NGAL
35. ALT, AST, Total Bilirubin
36. CK, AST, Myoglobin
37. Vitamin D 25OH, Homocysteine, CKMB
38. Absolute Lymphocyte count, Ferritin, Beta-hydroxybutyrate
39. If kidney damage occurs with SARS CoV2, the laboratory findings would likely be:
40. Increased Serum Creatinine, Increased Serum Urea Nitrogen, and Increased Glomerular Filtration Rate
41. Increased Serum Creatinine, Increased Serum Urea Nitrogen, and Decreased Glomerular Filtration Rate
42. Decreased Serum Creatinine, Increased Serum Urea Nitrogen, and Increased Glomerular Filtration Rate
43. Decreased Serum Creatinine, Decreased Serum Urea Nitrogen, and Increased Glomerular Filtration Rate
44. Disseminated intravascular coagulopathy as a complication of SARS CoV2 would produce what laboratory finding?
45. Elevated D-Dimer
46. Elevated Vitamin B12 levels
47. Decreased LDH levels
48. Elevated Folate levels
49. Which of the following is true about SARS CoV2?
50. SARS CoV2 can cause complications with the Heart, Kidneys, and Lungs
51. Laboratory markers can offer some indication of severity of disease
52. All of the above