

**BIOL 483 - Infection, Immunity, and Evolution of Disease**  
**Spring 2022**  
**Homework 4**

**Directions:** Watch video links for CoVID-19 viral pathogenesis and care.  
Generate 3 questions that you would ask an ICU doctor regarding care for patients with severe COVID-19 and list them below.

Upload your file to Web Campus by 1:30 pm on February 1

- <https://www.youtube.com/watch?v=DhtO5kzY5js>
- <https://www.youtube.com/watch?v=5DGwOJXSxqg>

Note that you are also welcome to ask additional general questions about career development, preparation, and progression for becoming a ICU physician. If this is a career path that interests you, this is a great opportunity.

1. For patients with severe cases of COVID-19, what would you do if you are out of ventilators? How would you still care for the patient?
2. Is there a way to prevent cytokine storms? Is there a way to signal to macrophages not to release cytokines that initiates cell death?
3. What is the last resort care for patients with COVID-19 (apart from putting them on ventilation)?