

Department of Medicine
Medical Grand Rounds

DATE: June 5, 2020
LOCATION: Education Resource Center Conference Room (Virtual)
TIME: 12:00 - 1:00 Department Update/Grand Rounds Lecture
TITLE: "Emerging Therapies for COVID-19: A Vaccine and the Role of Convalescent Plasma"
Speaker: Drs. Bill Petri & Jeff Sturek

For CME and MOC Credits as well as Instruction on How to Claim Credit please go to:

<https://med.virginia.edu/cme/learning/uvarss/medgrmoc/>

LEARNING OBJECTIVES:

- 1) Understand mechanisms of immunity to COVID-19
- 2) Identify unique challenges to research and therapeutic trials during a pandemic.

QUESTIONS:

1. What is the anticipated greatest limitation to making an effective vaccine against COVID-19?
 - a) Antigenic Variation of the Virus
 - b) Lack of Understanding of Virus Attachment and Entry
 - c) Inability to Generate a Mucosal Immune Response
 - d) Short-Lived Immunity**

2. A neutralizing antibody response against SARS-CoV-2 would act to:
 - a) Bind to the spike glycoprotein
 - b) Block Virus Binding to ACE2
 - c) Block Fusion
 - d) All of the Above**

3. Whole genome sequencing of the SARS-CoV-2 virus demonstrated that disease in NYV originated in
 - a) China
 - b) Seattle
 - c) Hong Kong
 - d) Europe**

4. For which of the following infections has convalescent plasma or "serum therapy" been used?
 - a) Diphtheria
 - b) Streptococcus pneumoniae,
 - c) Measles,
 - d) Ebola
 - e) All of the above**

- 5) **True** or False – Convalescent Plasma was used as a treatment before the advent of antibiotics.

DISCLOSURES:

Dr. Bill Petri is a consultant for Galderma, IDSA & Techlab.

Dr. Sturek has no personal or professional financial relationship with a commercial entity producing healthcare goods and/or services.