

Coronavirus Disease 2019 – A Primer for Health Care Professionals

Objectives

- Outline the timeline of the coronavirus disease 2019 outbreak detailing the known virology and epidemiology of the evolving pandemic
- Describe the common clinical presentations and the current recommendations regarding identification and assessment of persons under investigation (PUI) including laboratory and imaging studies
- Summarize the current clinical treatment approach for patients with COVID-19 infection including ongoing clinical trials of investigational drugs and antivirals
- Recognize that information and study data related to pregnant women infected during outbreaks of severe acute respiratory syndrome (SARS) or Middle East respiratory syndrome (MERS) may provide insights into the effects of COVID-19 on pregnancy
- State the general principles and recommendations presented for the obstetric management of pregnant women with confirmed or suspected coronavirus disease 2019 (COVID-19) and their newborns

Content Outline

1. Covid-19: Review and Primer for Emergency Medicine Physicians
 - 1.1 Overview of virology and epidemiology
 - 1.2 Population risk factors and clinical presentation
 - 1.3 Recommended approaches to reduce transmission & provide care
 - 1.3.1 Pre-hospital setting
 - 1.3.2 Initial emergency department identification & assessment
 - 1.4 Ongoing emergency department management
 - 1.4.1 Airway management considerations
 - 1.4.2 Laboratory and radiographic findings
 - 1.4.3 Current treatment approaches
 - 1.5 Current therapies under study for COVID-19
2. Developing Management Approaches for Pregnant Women with Coronavirus Disease 2019
 - 2.1 Summary of the 2003 SARS outbreak
 - 2.1.1 Data regarding effects on pregnancy
 - 2.1.2 Obstetric measures to reduce transmission
 - 2.2 Summary of the 2012 MERS outbreak
 - 2.2.1 Obstetric case reports
 - 2.3 COVID-19 in pregnant women
 - 2.3.1 Implications for preparedness & response plans
 - 2.3.2 Issues of susceptibility & disease severity during pregnancy
 - 2.3.3 General principles of management including infection control & diagnostic tests
 - 2.3.4 Infant care in situations of maternal COVID-19 infection

Reading Material Resources

Module WB2056: Coronavirus Disease 2019 – A Primer for Health Care Professionals is based on the resources listed below. A copy of each resource is included with the module.

Coronavirus Disease (COVID-19): A primer for emergency physicians, Chavez, et al., American Journal of Emergency Medicine, Article in Press, 2020, 1-10

Coronavirus Disease 2019 (COVID-19) and pregnancy: what obstetricians need to know, Rasmussen SA, et al., American Journal of Obstetrics & Gynecology, Article in Press, 2020, 1-12