

Coronavirus Disease 2019 Considerations for Perioperative Healthcare Providers

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May 25, 2020

Abstract

Objectives This review provides an assessment of recent published or presented trends of perioperative healthcare of COVID-19 which is hitting the world, to provide refer for the frontline medical staff during the outbreak of epidemic, especially for surgeons and anesthesiologists. **Methods** Searching and reviewing recent published or presented articles about the COVID-19 from PubMed, COVID-19 center of ScienceDirect, Medline, JAMA, The LANCET, MedRxiv, some main Chinese journals and so on. **Results** The coronavirus disease 2019 has heightened infectious probability and has caused hundreds of thousands death. How to recognize, treat, and overcome this disease is a problem that all medical staff and all humans need to face. First, we should correctly identify suspicious and diagnosed patients and take protection levels according to the type of patients. Surgery and endoscopy are a serious issue during the epidemic, unless emergency condition. Once COVID-19 patients have to accept surgery, more detailed issues should be considered. Besides, special management methods should be implemented for special COVID-19 patients. **Conclusion** Safety for patients and healthcare providers is very important, we should do what we can do to cut off the spread of the virus in hospital and reduce the risk of infection.

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Table1 Scaled Protection for Healthcare Workers amid the COVID-19 Epidemic.doc available at <https://authorea.com/users/325806/articles/453840-coronavirus-disease-2019-considerations-for-perioperative-healthcare-providers>

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Fig 1. Emergency room admission process.docx available at <https://authorea.com/users/325806/articles/453840-coronavirus-disease-2019-considerations-for-perioperative-healthcare-providers>

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Fig 2. Emergent surgery patients triage process.docx available at <https://authorea.com/users/325806/articles/453840-coronavirus-disease-2019-considerations-for-perioperative-healthcare-providers>

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Fig 3. Flow Chart for Perioperative Healthcare Providers.docx available at <https://authorea.com/users/325806/articles/453840-coronavirus-disease-2019-considerations-for-perioperative-healthcare-providers>

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Fig 4. Disinfection of the ultrasound instrument.doc available at <https://authorea.com/users/325806/articles/453840-coronavirus-disease-2019-considerations-for-perioperative-healthcare-providers>