



The Role of Emergency Medicine, Critical Care and Toxicology in the COVID-19 Pandemic: Innovations and Emerging Practices in Critical Care Medicine

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Abstract:

During this session the speaker will:

- Discuss various patient overdoses which may present in the emergency and critical care settings during the COVID-19 pandemic.
- Describe subtle, can't miss clues to lethal overdoses, including acute mental status changes, respiratory distress, and metabolic acid-base derangements.
- Discuss current management and treatment strategies for a variety of poisoning cases during the COVID-19 pandemic.
- Describe criteria used in choosing one treatment over another for managing a variety of overdosed patients
- Review principles of toxicology including reduction of toxin exposure and absorption; increasing drug elimination; supportive care measures; and specific therapies such as life-saving antidotes.
- Identify agents that are currently being marketed to treat COVID-19 disease and their associated adverse effects and toxicities.

Biography:

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Initiative, Boston, MA, USA

Publication of speakers:

1. Wu, Fuqing & Xiao, Amy & Zhang, Jianbo & Moniz, Katya & Endo, Noriko & Armas, Federica & Bonneau, Richard & Brown, Megan & Bushman, Mary & Chai, Peter & Duvall, Claire & Erickson, Timothy & Foppe, Katelyn & Ghaeli, Newsha & Gu, Xiaoqiong & Hanage, William & Huang, Katherine & Lee, Wei Lin & Matus, Mariana & Alm, Eric. (2020). SARS-CoV-2 titers in wastewater foreshadow dynamics and clinical presentation of new COVID-19 cases. medRxiv : the preprint server for health sciences. 10.1101/2020.06.15.20117747.
2. Wu, Fuqing & Zhang, Jianbo & Xiao, Amy & Gu, Xiaoqiong & Lee, Wei Lin & Armas, Federica & Kauffman, Kathryn & Hanage, William & Matus, Mariana & Ghaeli, Newsha & Endo, Noriko & Duvall, Claire & Poyet, Mathilde & Moniz, Katya & Washburne, Alex & Erickson, Timothy & Chai, Peter & Thompson, Janelle & Alm, Eric. (2020). SARS-CoV-2 Titers in Wastewater Are Higher than Expected from Clinically Confirmed Cases. mSystems. 5. 10.1128/mSystems.00614-20.

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