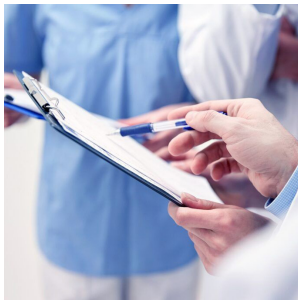

Keynote Forum

March 08, 2022

Health 2022



4th International Conference on
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Nicholas Daniel

Dartmouth-Hitchcock Medical Center, USA

Innovations in the Emergency Care of Acute Frostbite: The Sous Vide Rewarming Method

Frostbite is a limb-threatening condition in which tissues undergo freezing damage due to prolonged exposure to cold. Once in an environment where the potential for re-freezing is minimal, the current standard of care for acute frostbite is rapid rewarming of the affected body part using a circulating warm water bath targeted to 37-39°C. In practice, the creation and maintenance of a temperature-targeted, circulating warm water bath is inefficient, challenging, and time consuming. In order to work towards improving frostbite care through innovation, we carried out a pilot study focused on the first documented clinical use of a sous vide cooking device to create and maintain a circulating warm water bath to rewarm acutely frostbitten toes in the emergency department. One patient with acute frostbite was enrolled to have their bilateral toe frostbite rewarmed in a water bath with a sous vide device. The device was attached to a water basin and set to a target of 38°C. Temperatures were recorded every 2 minutes from 2 thermometers. Once target temperature was achieved, the feet were rewarmed for 30 minutes. Subsequent examination determined successful rewarming. Medical providers were surveyed regarding the ease of use of the sous vide method. The water baths required an average of 25 minutes to reach target temperature and maintained the target temperature

within +/- 1 °C for the duration of the rewarming. The frostbitten toes were clinically thawed in one 30 minute session and there were no adverse events. The provider rated this as an easy method of water bath management. A sous vide device can be used clinically to heat and maintain a water bath to treat acute frostbite and is an innovation that should be studied further for broad application.

Speaker Biography

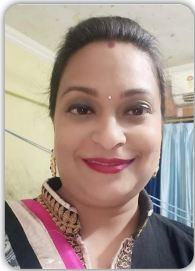
Daniel is an Associate Director of the Wilderness and Austere Medicine Fellowship at Dartmouth-Hitchcock Medical Center and Assistant Professor of Emergency Medicine at the Geisel School of Medicine at Dartmouth College, USA. He received his B.A. in Biology from the University of St. Thomas and obtained his D.O. from Des Moines University. Nick completed his emergency medicine residency at the University of Nebraska Medical Center and a wilderness medicine fellowship at UMass-Baystate Medical Center. He is a fellow of the Academy of Wilderness Medicine, has completed his Diploma in Mountain Medicine, and has additional training in hyperbaric medicine. He is active in wilderness medicine research and was PI for a three-week study on Mount Rainier in 2021, in addition to multiple publications. He enjoys traveling and has a passion for teaching and sharing knowledge, having taught wilderness medicine in 8 different countries.

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 Notes:

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Shalvi Gaikwad

Shreedeви hospital, India

Covid 19 Psychosis: - A potential new neuropsychiatric response developed by Novel Corona Virus

Jack Ma very well said:- In the year 2020 don't think of any growth in any terms only thanks to God if you are breathing on your own.

This statement marks the impact on mankind about the question arising in regards to the existence of mankind. Novel (COVID-19 or SARS-CoV-2) has caused overall tension and misery due to its infectivity, lethality, and absence of therapeutic treatment; notwithstanding, the degree and attributes of trouble, psychopathology, and potential infection explicit neuropsychiatric appearances presently can't seem to be explained. Covid is neurotropic and can enter the cerebrum through different components, including the olfactory neural pathway, and they can cause a critical incendiary reaction, which can cause both fringe and focal sensory system (CNS) indications. Earlier reports from the SARS CoV-1 pestilence recognized a scope of mental difficulties in impacted patients with SARS, including change related uneasiness, wretchedness, self-destructive ideation, just as natural hallucinosis and natural hyper problem. High-portion corticosteroid use has been distinguished as a huge related

element in maniacal presentations. Long-term overcomers of SARS-CoV-1 were found to have post awful pressure problem (54%), discouragement (39%), alarm issue (32.5%), and fanatical urgent issue (15.6%) 31–50 months after the analysis; in any case, short-or long haul psychosis was not found in this accomplice. paper is on an analytical secondary study to measure on the impact of new neuropsychiatric response developed by novel corona virus.

Speaker Biography

Shalvi Gaikwad studied in Bharati Vidyapeeth college of Ayurveda, Pune, India in the year 2000 and started her own clinic in a small city of Kalyan. She pursued her Master's Degree in Hospital Administration and also completed her Masters in human resources management from Manipal University, India. She started her career in administration as chief administrative officer in Shreedeви hospital and has sustained into administration till date but only the modalities have changed for her. Currently she is an enterpreneur and is a team leader for her own 2 setups. She is a hard core team leader and always has shown endurance and strength in developing all operations in hospital periodically.

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