June 8, 2020

Dear valued customer,

Based on the required regulatory applicability of certain products during the COVID-19 pandemic, please review the following information regarding Stryker's LUCAS® 3, v3.1 chest compression system.

Providing high-quality, Guideline-consistent chest compressions during a sudden cardiac arrest with minimal interruptions, the LUCAS device is designed to improve CPR quality while prioritizing caregiver and patient safety.

Some key features of the LUCAS 3, v3.1 device that can help with caregiver safety during COVID-19 include:

- Ability to maintain distance from suspected and confirmed COVID-19 patients during CPR
- Reduced number of caregivers needed to administer chest compressions during a code compared to a rotation of caregivers providing manual CPR
- Improved caregiver safety when providing CPR during transport

Additional guidance

The American Heart Association[1], U.S. Department of Defense[2] and Canadian Cardiovascular Society[3] propose a role for mechanical CPR in resuscitation during the COVID-19 outbreak.

In order to reduce the risk of SARS-CoV-2 transmission to caregivers, there are additional factors to consider when providing CPR:

• Manual CPR is a possible transmission route for caregivers because the mouth and nose of the personnel come close to mouth and nose of the patient[4] (that is valid for any other airborne transmission, such as meningitis)

• During manual CPR, the operator is performing an aerobic activity that increases his/her minute volume and makes it more likely to breathe in aerosol from the patient (patient exhalation of breath including airborne virus)

• During CPR, the patient may be ventilated with an airway device that is not a closed system

• The rotation of operators during manual CPR exposes more people to the disease transmission. When managing suspected and confirmed cases of COVID-19, the number of individual staff members involved in the resuscitation should be kept to a minimum with no or minimal exchange of staff for the duration of the case, if possible.[5]

Please visit strykeremergencycare.com for more information on the LUCAS chest compression system.

Sincerely,

Chris Walsh
Director of Marketing

Instructions for use: https://www.lucas-cpr.com/resources/#instructions_for_use

1. Edelson, et al. Interim guidance for basic and advanced life support in adults, children, and neonates with suspected or confirmed COVID-19. *Circulation.* 2020. (Online ahead of printing)
2. Matos RI, et al. DoD COVID-19 practice management guide; clinical management of COVID-19. https://health.mil/Reference-Center/Technical-Documents/2020/04/14/DoD-COVID-19-Practice-Management-Guide-Version-2
3. Canadian Cardiovascular Society. Guidance from the CCS COVID-19 rapid response team. https://www.ccs.ca/images/Images_2020/NEW_CCS_RRT_Inhoptial_infection_reduction_30Mar.pdf
4. Ling L, et al. COVID-19: A critical care perspective informed by lessons learnt from other viral epidemics. *Anaesth Crit Care Pain Med.* 2020 (Online ahead of printing)
5. Peng WHP, et al. Outbreak of a new coronavirus: what anaesthetists should know. *British Journal of Anaesthesia.* 2020;124(5):497-501.

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