



Standard Operating Procedure

SITE: Southern Illinois Healthcare	EFFECTIVE DATE: 04/22/2020
SUBJECT: LUCAS 3 Device; storage, cleaning and preparation for future use	REVISION DATE:
DOCUMENT NUMBER:	LOCATION OF TEMPLATE:
AUTHORIZED BY: Tressa Furlow MSN, RN	DATE: 04/22/2020
SOP OWNER: Garrett Burton, System Director of Emergency	

PURPOSE: The LUCAS 3 Device is intended to provide automated mechanical external chest compressions for patients in cardiac arrest and no further contraindications.

SCOPE: To ensure maximum protection and minimize the risk of transmission of pathogens after the use of the LUCAS 3 device during resuscitation efforts.

ASSOCIATED DOCUMENTS & PROCEDURES:

DEFINITIONS:

PROCEDURE: Cleaning and Storage of the LUCAS 3 device.

Activity / Task	
1	Each LUCAS 3 device will be located and housed in the Emergency Rooms of the facilities within SIH. The charging and cleaning and preparation for future use will be assessed by the Emergency Room staff at that facility.
2	<p>After each use of the LUCAS 3 device, the following cleaning and replacing parameters will be followed;</p> <p>Replace Suction Cup on the end of the PISTON (Suction Cups are single use only, after each code blue)</p> <p>Clean Patient Straps Clean Stabilization Straps</p> <p>Wipe down entire device including the backboard, the top portion of the device along with legs and piston.</p> <ul style="list-style-type: none"> • Clean with A3 and allow to dry for 3 minutes per manufacture recommendations clean all surfaces and straps with a soft cloth and warm water with a mild cleaning agent or disinfectant agent. (e.g. • 70% isopropyl alcohol solution, 45% isopropyl alcohol with added detergent or 10% bleach). If for some reason the A3 is unavailable due to a limit in stock, a cleaning wipe containing 10% bleach or Peracetic (peroxide) acid solution are approved cleaning agents. <ul style="list-style-type: none"> ❖ Allow the device to dry for the allotted amount of time before you pack it into the Carrying case. ❖ Do Not Immerse the LUCAS system in liquid. The device will be damaged if liquid enters the hood.
3	<p>If for some reason accessories are unable to be cleaned properly; please replace these accessories. Extra accessories will be located in the carrying case or available by your manager. Accessories will be available to be purchased through Lawson and are stocked in the Corporate warehouse.</p> <p>Lawson# 141646: Suction Cup 12ea/pk</p> <p>Lawson# 142993: Patient Wrist Strap 1ea/pr</p> <p>Lawson# 142994: Stabilization Strap 1ea</p>
4	<p>Preparing for future use:</p> <ul style="list-style-type: none"> • Replace the used Battery with a fully charged Battery in the battery slot in the hood. • Mount a new Suction Cup. • Attach the Patient Straps again, if they are removed and after cleaning • Attach the support leg straps of the LUCAS Stabilization Strap again if applicable.



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5	<p>Carrying Case:</p> <p>The device should be stored in the carrying case; Store upper part in the carrying case with DC input facing downward. This position makes it possible to charge the device through the carrying case charger access port and the check the battery charge status through the carrying case top window.</p> <ul style="list-style-type: none">✓ Put the external power supply in the compartment between the LUCAS support legs✓ Place an extra (charged) LUCAS battery in the compartment between the LUCAS support legs✓ Place extra Suction Cups in the compartment between the LUCAS support legs✓ Place an extra neck strap in the compartment between the LUCAS support legs✓ Place a Permanent marker or Skin Marker in the compartment between the LUCAS support legs.
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