Introduced: 5/8/2020
Version: 1

Current Status: Agenda Ready
Matter Type: BoS Agreement

Authorize the Deputy Purchasing Agent for Natividad Medical Center (NMC) or his designee to execute amendment No. 1 to the agreement with Bard Medical Division C.R. Bard, Inc. for purchase of medical device products and support services, adding $60,424 for a revised total agreement amount not to exceed $130,424, with no change to the term of the agreement May 1, 2018 through April 23, 2023.

RECOMMENDATION:

It is recommended the Board of Supervisors:

Authorize the Deputy Purchasing Agent for Natividad Medical Center (NMC) or his designee to execute amendment No. 1 to the agreement with Bard Medical Division C.R. Bard, Inc. for purchase of medical device products and support services, adding $60,424 for a revised total agreement amount not to exceed $130,424, with no change to the term of the agreement May 1, 2018 through April 23, 2023.

SUMMARY/DISCUSSION:

The services received will ensure therapeutic hypothermia for sudden cardiac arrest (SCA), which is a class I Advanced Cardiac Life Support (ACLS) guideline recommendation. The only other class I guideline for SCA patients is CPR and Defibrillation; this is the standard of care and must be offered to all applicable patients.

The services are beneficial to NMC because it is imperative that hospital systems have the option to initiate treatment quickly and to meet the 2015 American Heart Association Class IA recommendation for Targeted Temperature Management (TTM). TTM is challenging to administer properly through conventional means because there are four distinct phases of treatment which requires the clinical team to control and maintain over 4-5 days, and it all must be done while the critical care patient travels between multiple departments within the hospital (i.e. ER, Cath Lab and ICU). The goal is to slow down the metabolic demand by reducing core temperature of the patient after ROSC per AHA guidelines.

The services are beneficial to patients because current water blanket systems can take at least 6-8 hours to reduce the core body temperature to 32 to 34 degrees Celsius and titration of temperature is difficult. Time is brain and early initiation is key. The Arctic Sun is a temperature management system that manages and controls patient temperature between 32 and 38.5 degrees Celsius with biofeedback

algorithm. The Arctic Sun measures the patient temperature every second while the water temperature makes micro adjustments every two minutes avoiding significant overshoot and undershoot temperature swings to the patient.

The Arctic Sun TTM enables:

- 2-button initiation of treatment; no priming or adding water before initiation
- Ability to Pre-program protocol settings for cooling and warming to 0.01°C
- Non-invasive reducing risk to patient
- Easy access to treatment data for case reviews
- Disposable pads are radiolucent for MRI, CT, X-ray usage and latex free
- Operates on feedback loop mechanism critical for maintaining real time accuracy
- Patient temperature control
- Ease of use = Less burden on the nurses and more focus on the patient
- Data retrievable for up to 11 cases
- EMR connectivity on data
- Gold standard of care nationally and internationally

OTHER AGENCY INVOLVEMENT:

The Office of County Counsel has reviewed and approved this amendment No. 1 as to form, and the Auditor-Controller has reviewed and approved as to payment provisions. The amendment No. 1 has also been reviewed and approved by NMC's Finance Committee and by its Board of Trustees on May 8, 2020.

FINANCING:

The cost for this amendment No. 1 is $60,424, which is included in the Fiscal Year 2019-20 Adopted Budget.

BOARD OF SUPERVISORS STRATEGIC INITIATIVES:

The Artic Sun temperature management system meets the BOS's Health and Human Services strategic initiative through its precise, temperature control mechanism for patients in NMC's Level II Trauma Center who have suffered a Traumatic Brain Injury (fall, motor vehicle accidents, etc.). Lowering body temperature serves to improve patient outcomes by preserving neurological tissue viability in critically ill patients

__ Economic Development

__ Administration
X Health and Human Services
__ Infrastructure
__ Public Safety

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Approved by: Gary R. Gray, DO, Chief Executive Officer, 783-2553

Attachments:
Bard Medical Division C.R. Bard, Inc. Amendment 1
Bard Medical Division C.R. Bard, Inc. Agreement

Attachments on file with the Clerk of the Board

Dr. Gary R. Gray, Chief Executive Officer

5/19/2020
Date