

Pyxis Carefusion by AUBMC Lebanon's first automated dispensing cabinets

Beirut, 4 May 2018: The Pharmacy Department at the American University of Beirut Medical Center (AUBMC) in collaboration with the Nursing Department launched a new automated system for medication dispensing known as Pyxis Carefusion, the first-of-its-kind in Lebanon. The event was launched on May 4 at the different units in the Medical Center.

These Automated Dispensing Cabinets (ADC) support new integration capabilities with decentralized medication management while ensuring various features for safety and efficiency. The flexible system helps accurately dispense medication without affecting pharmacy workflows^[1]. The new patient-centric workflow promotes medication safety enhancement and clinical workflow efficiency. Adding to that, the modular system helps reduce the risk of medication errors, diversion, and time-consuming non-value activities to support rapid initiation of medication orders^[2].

“This project will provide secure medication storage on patient care units, with timely access to medications for emergencies. It will enhance first dose availability and facilitate timely administration of medication,” said Dr. Petra Khoury, **Chief Quality and Compliance Officer**. “It will also eliminate the dispensing of unused “as needed” doses thus decreasing potential for administration errors,” added Dr. Khoury.

Since system efficiency and advancement are a top priority, AUBMC acquired 52 ADCs installed on all patient care units and procedure areas across the Medical Center. The ADC will be used for medication administration in a timely and safe manner, reduce medication errors, and optimize cost efficiency.

The Pyxis Carefusion aligns with the strategic goals that AUBMC has set under the leadership of Executive Vice President for Medicine and Global Strategy, AUB Raja N. Khuri Dean of the Faculty of Medicine, Mohamed H. Sayegh as part of the 2020 Vision. This step will be followed by implementing an electronic health record system that will transform the Medical Center into a paper-free environment.

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About AUBMC

Since 1902, AUBMC has been providing the highest standards of care to patients across Lebanon and the region. It is also the teaching hospital for the Faculty of Medicine at AUB (established in 1867), which has trained generations of medical students and physicians, and whose graduates can be found at leading institutions around the world. AUBMC is the only medical institution in the Middle East to have earned the five international accreditations of JCI, Magnet, CAP, ACGME-I and JACIE attesting to its superior standards in patient-centered care, nursing, pathology/laboratory services and graduate medical education.

The Faculty of Medicine has graduated over 4,000 medical students and physicians; the Rafic Hariri School of Nursing provides excellent education for the nursing staff, and the Medical Center meets the healthcare needs of over 360,000 patient visits annually.

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References:

- (1) <https://www.bd.com/en-us/offering/capabilities/medication-and-supply-management/medication-and-supply-management-technologies/pyxis-medication-technologies/pyxis-medstation-system>
- (2) <https://www.bd.com/en-us/offering/capabilities/medication-and-supply-management/medication-and-supply-management-technologies/pyxis-medication-technologies/cubie-system>