

The Women's Board of The Johns Hopkins Hospital  
Billings Administration Building, Room 221  
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## GRANT APPLICATION FOR FISCAL YEAR 2024

**DIRECTIONS:** Please complete the entire form. If appropriate, indicate "Not Applicable" and justify. The original application plus an electronic version is due in The Women's Board office on or before 4:00 pm on Friday, January 6, 2023. Only one (1) application from each department will be accepted. Late or incomplete applications will not be considered.

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**DATE:** 1/5/22

**CLINICAL DEPARTMENT:** Department of Medicine, Echo Lab

**CONTACT PERSON:** Dr. Allison Hays and Ronald Okorie, Administrative Director

**Phone:** 410-502-6646 (Ronald Okorie, Administrative Director)

**Email:** [ahays2@jhmi.edu](mailto:ahays2@jhmi.edu); [rokorie1@jhu.edu](mailto:rokorie1@jhu.edu)

**TITLE OF REQUEST:** Venue Go Point of Care Ultrasound System x2

**PHYSICAL LOCATION OF PROJECT:** Echo Lab, Zayed 4

**ABSTRACT (Non-technical overview - 150 words or less):**

Point-of-care ultrasound is a growing field throughout medicine. The primary benefit for the Echo Lab and general cardiology is that it allows for expedited decision-making, with the ability to monitor a patient's condition with rapid assessment tools available in real time. Preliminary findings can lead to appropriate triage, expedited testing, and improved care for the patient, especially since formal echoes can often take days to obtain (given our current staffing challenges). The Venue Go Ultrasound system can also assist with IV access for echo procedures that require contrast.

Point-of-care ultrasounds are a potent tool for real-time diagnosis and treatment planning and will significantly improve patient care at the Johns Hopkins Hospital.

**SIGNATURE OF CLINICAL DEPARTMENT CHAIRPERSON:**



**(Please type) Chairperson Name:** Nadia N. Hansel, MD, MPH

**Chairperson Title:** Interim Director, Department of Medicine

**Chairperson Email:** [nhansel1@jhmi.edu](mailto:nhansel1@jhmi.edu)

**NOTE:** Questions 1-6 must be answered. Please be thorough and concise.

**1. Impact on patient care:**

Real-time utilization of this technology will drive improved outcomes using automated, easily accessible features, especially in critical, time sensitive scenarios. The all in one system ultrasound system can quickly assess the heart, the lungs, and vascular system, allowing for better clinical decision making, treatment plans and optimized patient outcomes.

**2. Number and type of patient who will benefit annually from this award:**

There are 2300 cardiology inpatient discharges a year. If clinically indicated, this could be used on a wide array of these patients, including imaging of the heart, lungs and vascular system.

**3. Significance:**

It will allow physicians to improve accurate patient diagnostics data capture to make better clinical judgments. It will also allow fellows to develop their skill in obtaining and interpreting echo images, particularly within the context of a clinical case.

**4. Implications, if any, that this has to the Covid pandemic:**

Given an increase in the number of patients with cardiac concerns (post-COVID), this tool will be critical to the real-time assessment needed for treatment of this patient population. The machine was designed with COVID scenarios in mind including design, cleaning management, and ergonomics.

**5. Personnel (Please note that we cannot fund grants that incorporate any salaries.)**

There are no applicable personnel as part of this request

**6. Budget: Total Request: \$99,997.64**

**A. Equipment - price per item and discount if applicable for multiples. Please add compelling justification if multiples are requested. (Itemize and justify):**

Price per piece is \$49,998.82/ unit, which includes discounts for both. We are requesting two machines, each with a specific unit to be considered "home base". One will be sent to the PCCU (Bloomberg 5S) and the Endoscopy Lab, to assist with inpatients in the Echo Lab, as well as to be deployed as needed for Cardiology consults on various units throughout the hospital. While these machines are portable, having a machine housed central on each unit will assist with real-time decision making, especially in critical, time-sensitive scenarios.

**B. Supplies (Itemize and justify):**

Current supply in stock - no additional disposables are required for this purchase

**C. What is the out-of-pocket cost to the patient? (Itemize and justify):**

No additional out of pocket to the patient

**D. Other Expenses, Hidden Costs (Please consider whether your grant proposal contains other costs that would require hospital funding, such as structural modifications for equipment installation, operating costs such as additional FTEs, training costs, etc.)\***

No additional cost will be needed

**7. Have you requested funds from any other source?**

☐ Yes (What was the result?)

Click or tap here to enter text.

☒ No (Explain why)

Another source of funding was not available at the time of consideration.

\* If you have any concerns about additional costs of your grant to the hospital please feel free to contact the CFO Katina Williams @ kwill249@jhmi.edu. She is aware of our grant process. All grants selected for funding will eventually be submitted for final hospital approval by the Women's Board. It is not required for the departments to request approval from the hospital prior to submission on January 6, 2023.