Title: Ultrasound Use and its Impact on Clinical Decisions in the Accident and Emergency Department at Georgetown Public Hospital Corporation

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ABSTRACT

Introduction:
Point-of-care ultrasound (POCUS) is physician-performed at the bedside, and it is a powerful diagnostic tool, especially in resource-limited emergency medicine healthcare settings. This study aims to quantify both the use of ultrasound and its impact on patient care at the Accident and Emergency Department at the Georgetown Public Hospital Corporation.

Methods:
This is a descriptive study of data collected for quality assessment in the GPHC Accident and Emergency Department. Over the course of two months, physicians were asked to record each ultrasound exam performed and record whether the ultrasound results changed patient disposition or the medication used in management.

Results:
During the study period, there were 173 ultrasound data sheets collected representing 426 ultrasound studies. 196 studies were positive with pathologic findings (46.0%). The use of ultrasound in patient care either affected the patient’s final disposition or medication 78.6% of the time.

Conclusion:
Ultrasound is used frequently at the Georgetown Public Hospital Corporation for a wide variety of applications. When utilized, POCUS frequently influenced patient care.

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ATTACHMENTS
GPHC Ultrasound Usage Dataset 1.xlsx
GPHC Ultrasound Usage Dataset 2.xlsx

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