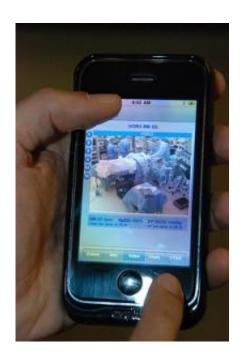


## Monitoring Patients During Surgery With Your Cell Phone? There's an App for That, Too

May 7 2010



A new Vanderbilt University Medical Center application for mobile devices allows anesthesiologists and other clinicians to monitor patients, check vital signs, communicate with other providers, and literally peer into operating rooms during surgeries all from the convenience of their cell phones.

(PhysOrg.com) -- A new Vanderbilt University Medical Center application for mobile devices allows anesthesiologists and other clinicians to monitor patients, check vital signs, communicate with other providers, and literally peer into operating rooms during surgeries all



from the convenience of their cell phones.

VigiVU, created for the iPhone by the VUMC Department of Anesthesiology, expands on an in-house desktop program called Vigilance to make the technology more portable and efficient. It keeps the clinician "in touch" when care locations are multiple and separate, with the ability to monitor up to four <u>patients</u> simultaneously.

"It brings the functions of our desktop computer programs onto the mobile device. So, yes, 'There's an app for that, too," said <a href="#">Anesthesiologist</a> Brian Rothman, VUMC associate director of Perioperative Informatics.

Rothman said the app enhances proactive decision-making, makes communication between team personnel more efficient, and can improve patient care through perioperative situational awareness, collecting data from multiple sources including room video, monitors, labs, and medical records.

Medical supervisors in charge of multiple rooms previously had to visit each room individually to check on patients, review histories and vitals trends or use Vigilance on a desktop computer. Simultaneous monitoring is now accomplished by mobile staff using the iPhone.

With the <u>iPhone</u> app, communication between clinicians during urgent situations is no longer reliant on outdated paging systems with delays; a finger tap allows VigiVU users to text staff signed into a specific case.

"Why are we disconnected from our patients when current technology can bring them to us?" Rothman asked. "When we supervise, shouldn't we know about changes and events with our patients as they happen? Why can't we communicate with our staff immediately to start correcting the issue, either from another room or while we are on our



way? With this app, we are connected and can be even more proactive in our response to events."

## Provided by News Releases from Vanderbilt Medical Center

Citation: Monitoring Patients During Surgery With Your Cell Phone? There's an App for That, Too (2010, May 7) retrieved 9 April 2024 from <a href="https://medicalxpress.com/news/2010-05-patients-surgery-cell-app.html">https://medicalxpress.com/news/2010-05-patients-surgery-cell-app.html</a>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.