



WILLIS

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PROJECT OBJECTIVE

Design a **graphically based note taking app** for use by the **Vascular Neurosurgeons** in the Neurology department at the University of Illinois at Chicago Hospital during their Rounds process.

BACKGROUND

ROUNDS: “Bedside visits by a physician—or other health professional—to evaluate treatment, assess current course and document the patient’s progress or recuperation”

Segen’s Medical Dictionary

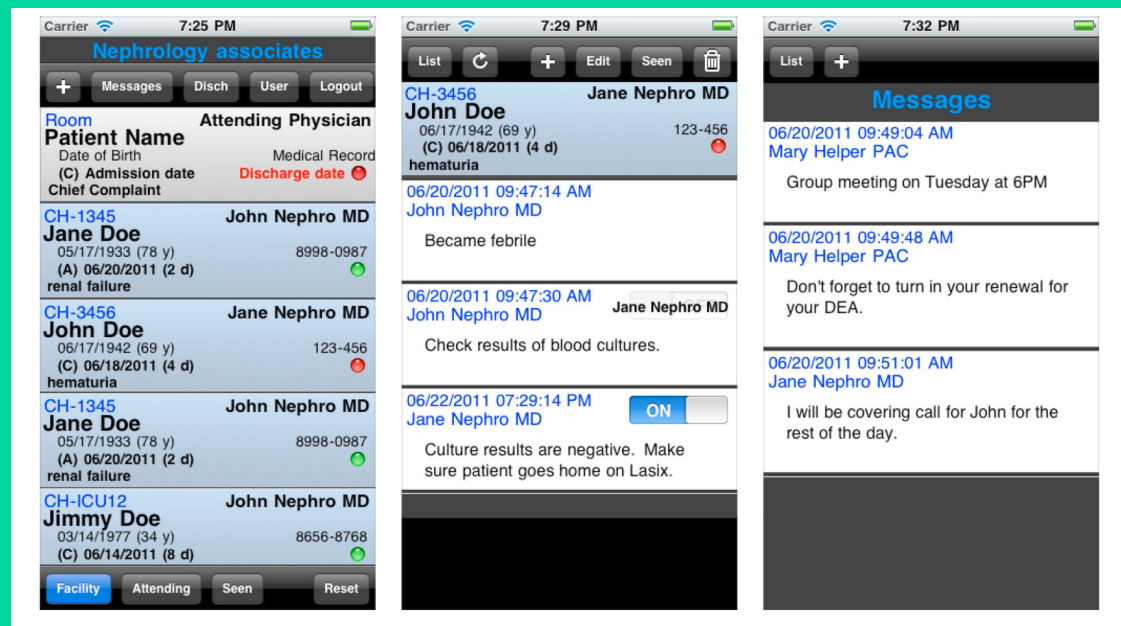
VASCULAR NEUROLOGY: “Stroke and vascular neurology focuses on vascular disorders that can lead to ischemic stroke, intracranial hemorrhage, and spinal cord ischemia and hemorrhage.”

American Academy of Neurology

HIPAA: “HIPAA is the acronym for the Health Insurance Portability and Accountability Act that was passed by Congress in 1996. HIPAA does the following: Provides the ability to transfer and continue health insurance coverage for millions of American workers and their families when they change or lose their jobs; Reduces health care fraud and abuse; Mandates industry-wide standards for health care information on electronic billing and other processes; and Requires the protection and confidential handling of protected health information.”

California Department of Health Care Services

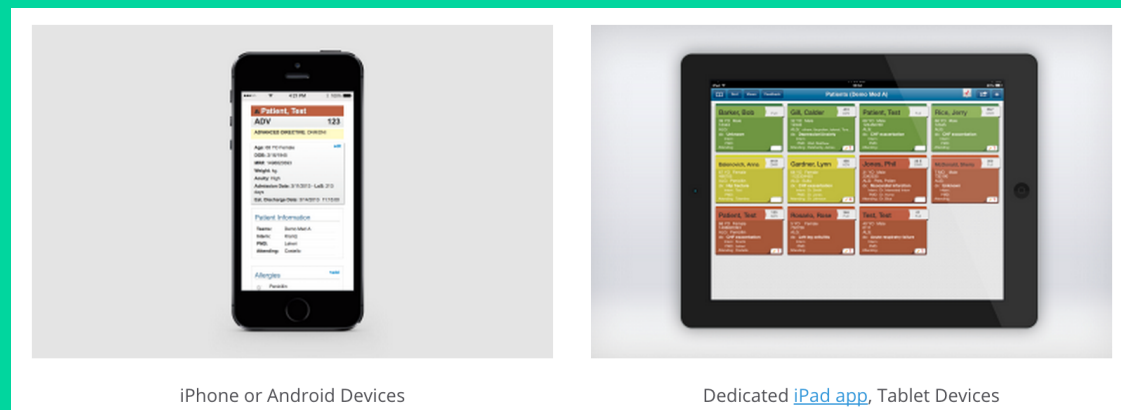
SIMILAR APPS



Rounds List

Tipimeni Software, LLC

- HIPAA compliant
- Text based
- Crashes are common



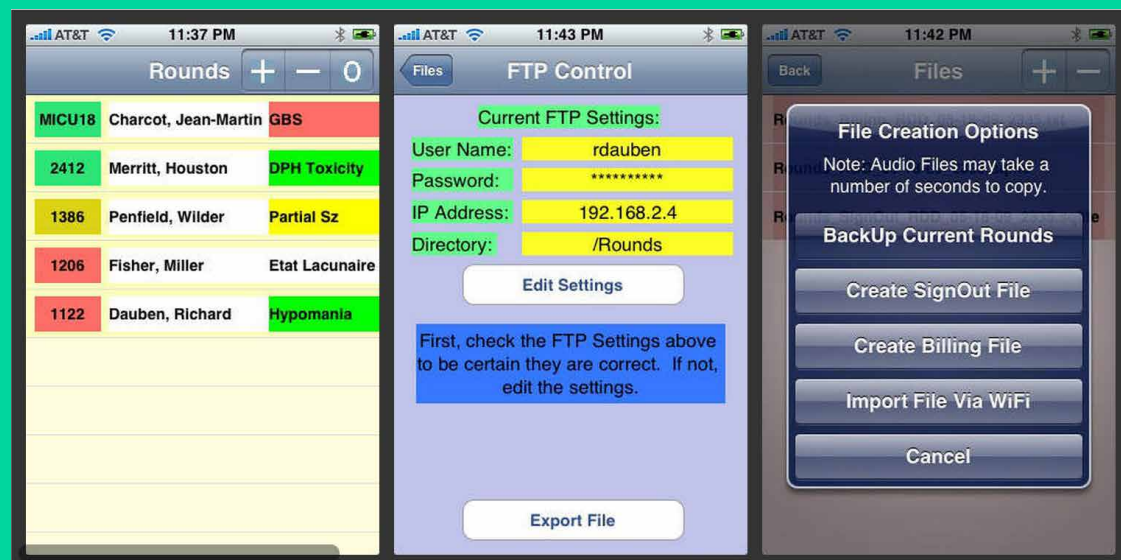
iPhone or Android Devices

Dedicated iPad app, Tablet Devices

Smart Signoff

Cyprus North Corp.

- Color coded
- Visual cues
- Still text heavy



Hospital Rounds

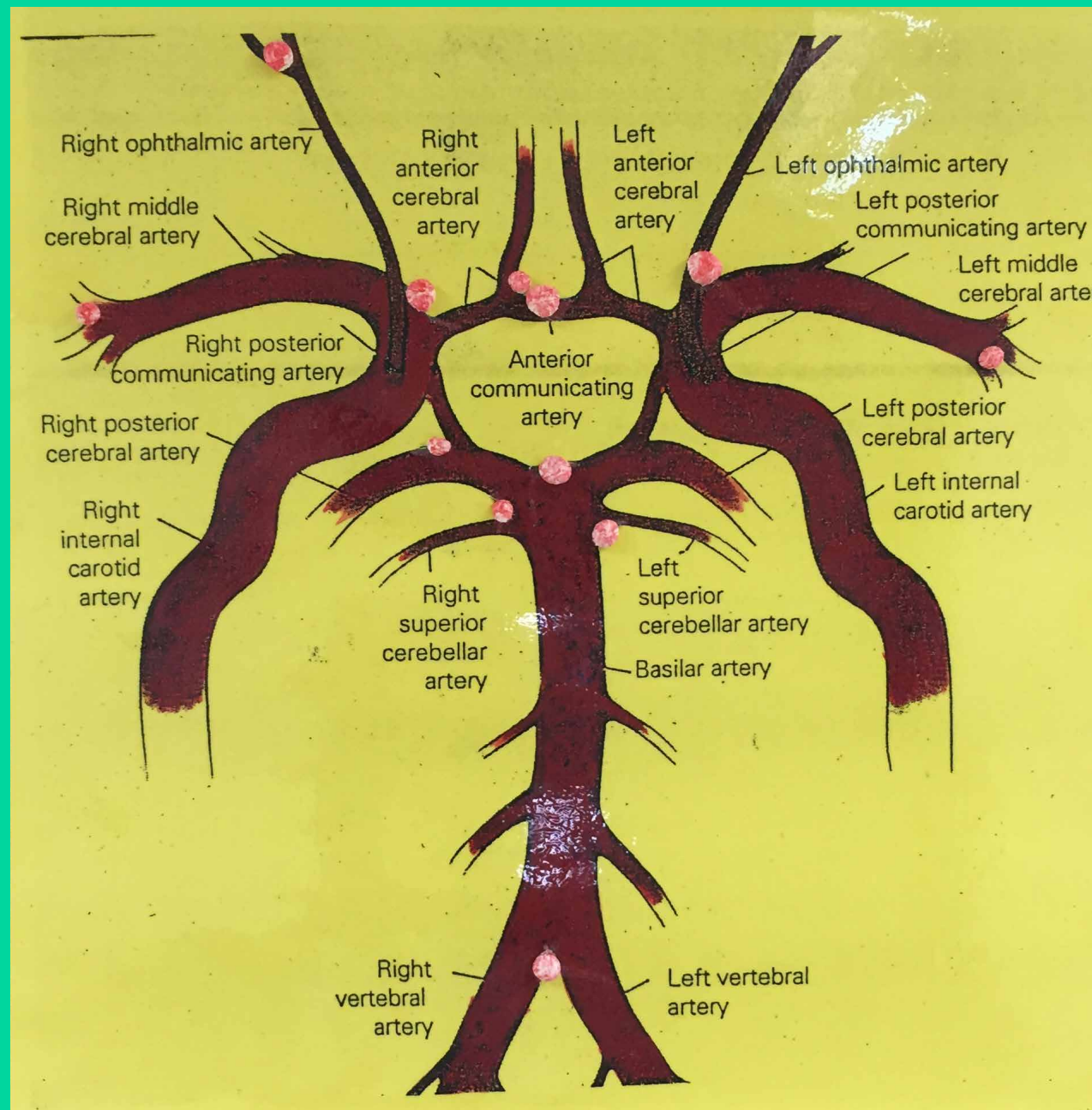
Pavilion Neurology

- Have to type everything
- Cluttered
- Ugly interface



To begin our research, we visited Dr. Birk and his colleagues during their rounds and observed their note taking process first-hand. **HERE'S WHAT WE LEARNED ABOUT THE ENVIRONMENT THEY WORK IN:**

- **fast paced**
- **stressful**
- **requires excellent focus**
- **quick understanding**
- **no room for error**



WILLIS

“This cardiovascular neurology specific note taking app will provide efficiency and simplicity during the rounds and hand off process.”

APP DESCRIPTION

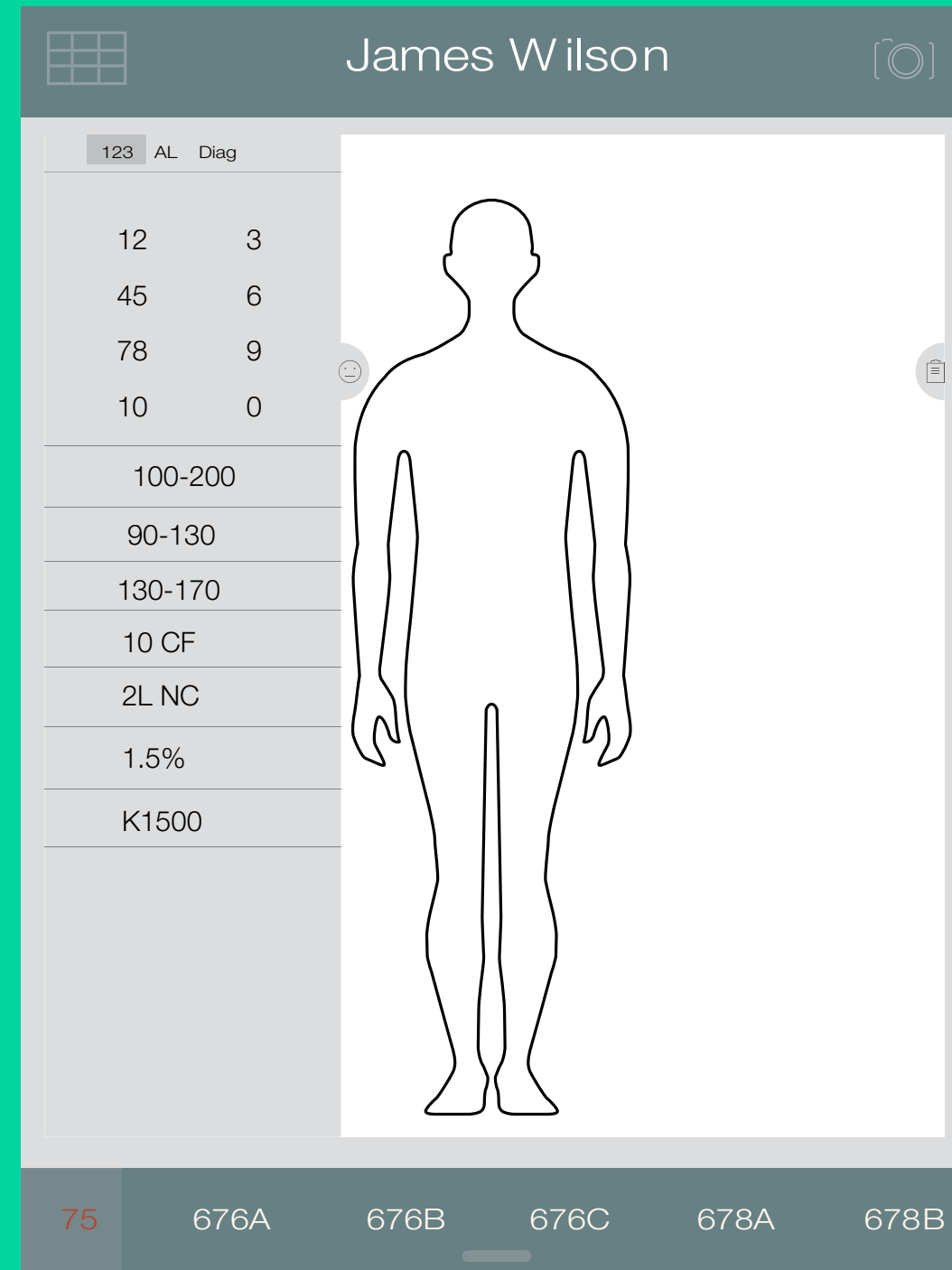
This **cardiovascular neurology specific app** will provide:

- **Efficiency** and **simplicity** during the rounds and hand off process.
- All important information should be **easily comprehended and accessible** at a moments notice.
- This app will establish a **universal language** through the use of **recognizable icons and color-coding**.
- This **iPad mini tailored app** will allow for a clear understanding by any and all staff members and **eliminate** the already common occurrence of **miscommunication** between medical staff.



PROPOSED KEY FEATURES

- Graphic and image based
- Color coded for easy identification and sorting
- Universal drag and drop icons
- Key information available at a glance via a transparent third layer
- Camera button to capture important scans
- Easily accessible drag out menus and keyboard



QUESTIONS AND COMMENTS?