Tech Support – an Actual E-mail from a "Baby-Boomer" Friend

- I feel like I signed up to take a Calculus course, but never took pre-algebra...so no amount of studying, reading, or reviewing manuals helps.... the words are in English (well...except words like Ethernet which I am certain does not appear in the English language!) but the combinations of words are meaningless. I am sure the user manuals are written and tech support staff speaks in code to thwart insurgents.....I must be cast in the role of insurgent because I sure can't interpret their meaning!
- I was doing all the changing with 13 year old tech support providing "voice commands." Of note: tech support staff all use those surreal calm voices we learned to use with Mental Health clients to prevent (us from) becoming violent...

Quest for Understanding Technology

By:
Chuck Simon
Janice Sarasnick RN, MSN

Where are you

Beginner-Turn on/turn off

Intermediate-I have seen inside the mannequin & can troubleshoot.

Advance-I speak technologese

Introductions

- **Chuck Simon**
 - Simulation Technician
 - AKA the Great OZ

- Janice Sarasnick RN, MSN
 - Assistant Clinical Nursing Professor
 - Simulation Faculty

Disclosure

We have been fortunate enough to experience a variety of simulation equipment. We do not endorse nor do we receive monetary compensation from any company discussed in today's presentation.

Objectives

- Illustrate the need for incorporating innovative ideas into teaching strategies.
- Discuss cost factors.
- Discuss equipment, functions of the equipment, basic set-up, and operation of the equipment.
- Demonstrate use of technology in the classroom setting.

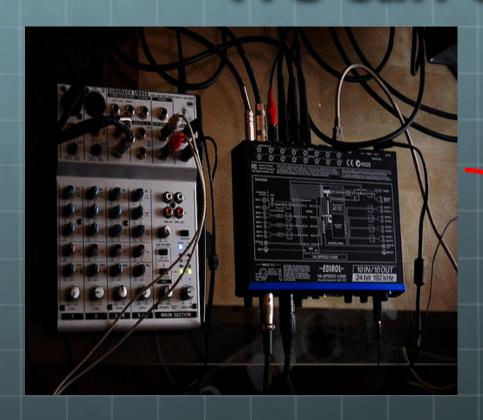
Objectives

Sharing ideas, thoughts, and creative uses of technology used in your institutions as well.

If we can do this

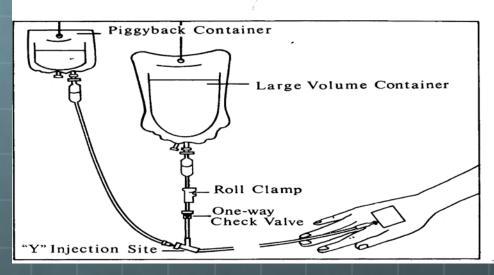


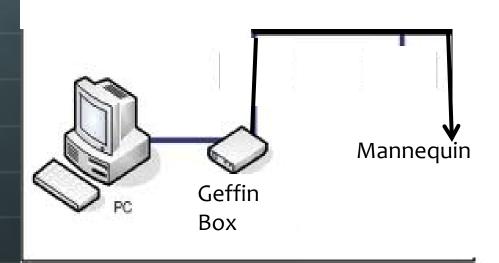
We can do this.





Follow your lines





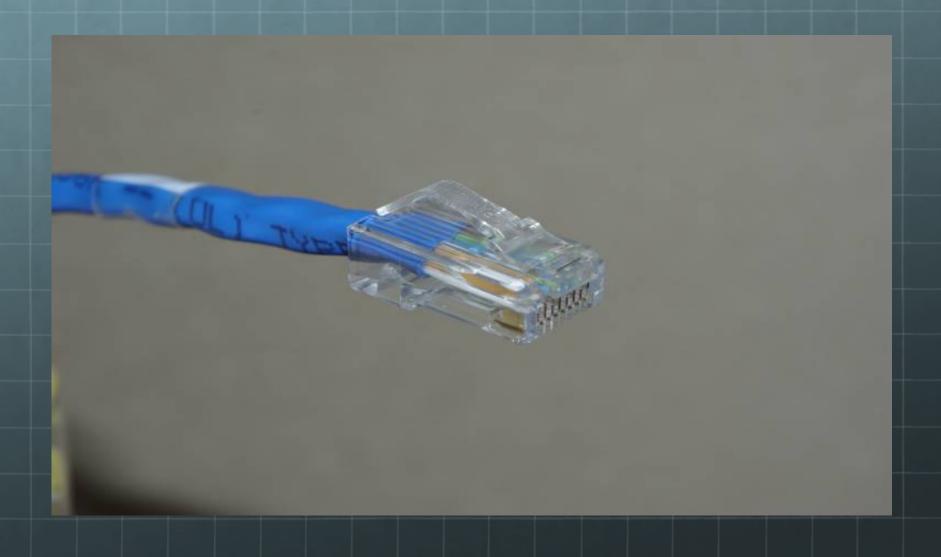
Cables

Types of cables

Connection

Use

Ethernet cable





USB



Audio Connection



RCA



Used With Audio Mixer



XLR – Audio Mixer



Phone Plugs



Audio Connection



Audio Connection (Headphones)



Network

- Involve your IT department from the beginning.
- Do you have a technology service located within your facility? Make friends.

Network

- Network Structure
- Wireless
- Hardwire = stability
- IP addresses Sub-net

Security

Stability

Speed

Operating System

Know your basic function

Software

- All on one computer
- Updating software
 - Mannequin
 - Drivers
 - Monitors
 - *When in doubt option to begin again... restart computer.

Auxiliary Devices

- Headphones
- Converter
- Amplifiers
- Microphones

Headphone Distribution Amp



Audio/Visual Converter (Geffin Box)



Improving Voice Quality





Improving Voice Quality





Problem Solving Philosophy

- Know schematics
- Document common problems
- Communication is key
- Classes on networks, basic computer terminology, helps with communication

Sherlock Holmes Once Said

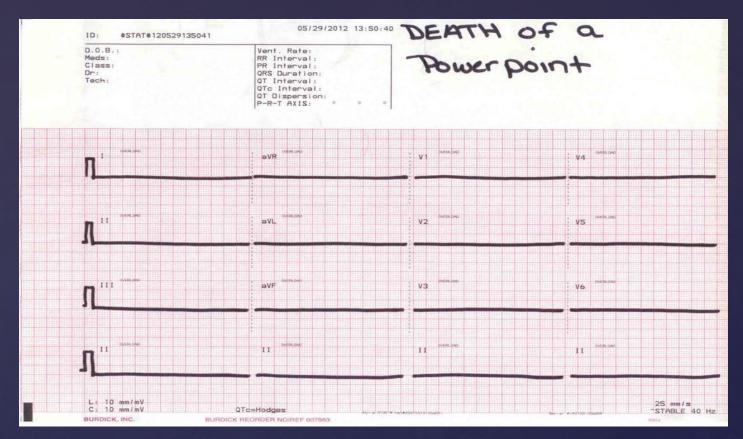
"When you have eliminated the impossible, whatever remains, however improbable, must be the truth."

Educating with Technology

It's all in the presentation

- № How to mesh the 2.

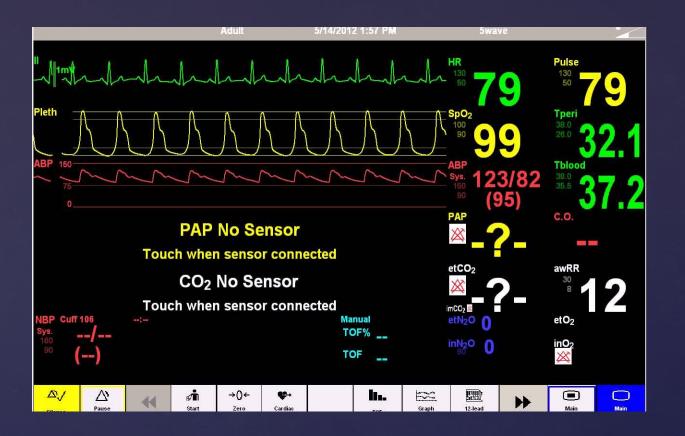
Arrhythmia Recognition



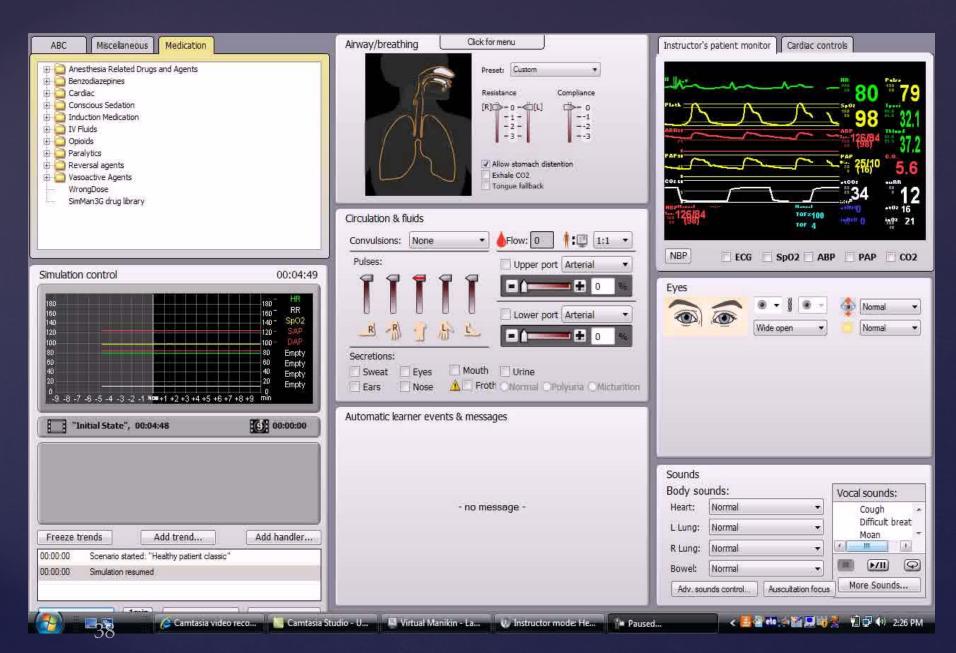
Old Objectives-Arrhythmia Recognition

- Recognize the arrhythmia and the implications this has on the patient status. □
- Skill − more than just interpretation of the patient status. Apply whether patient is stable or not and differential DX. Options.
- & Attitude Immersed in clinical context.

New Objectives



The Whole Picture



- & VGA Cable
- & Ethernet
- **k** Laerdal 3G[©] Instructor Monitor with software
- **k** Laerdal 3G[©] Patient Monitor with software
- **№ IP Address**
- & Podium with projector attached
- & Audio input/output for affects.

Equipment Required

- & 2 laptops

Step 1



Step 2 – Connect to Projector



VGA cable



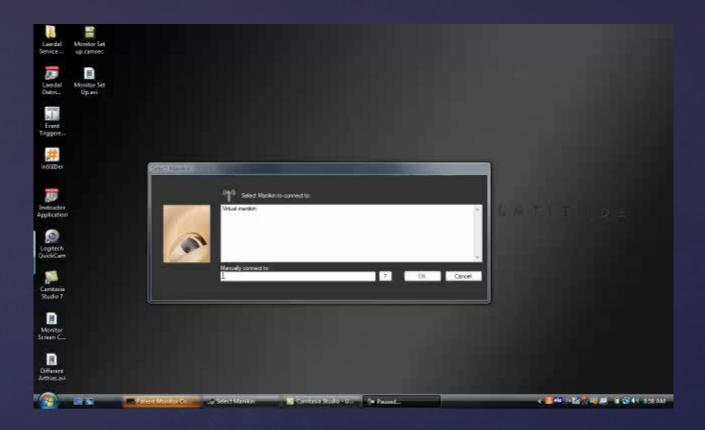
Step 3 – Connect the 2 laptops



Ethernet



Step 4-Select Virtual Manikin



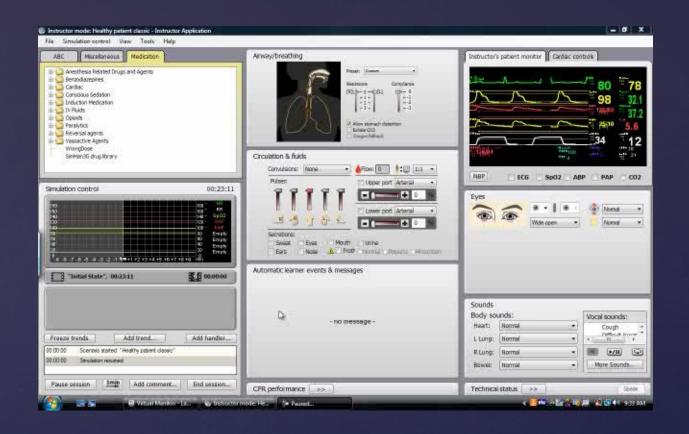
Step 5–Start Monitor Application Process



Step 5 - IP Address

- Now your instructor application laptop will control your monitor. □
- Learners will be unable to see what you are doing as the instructor.

Step 6



Step 7–Changing the Monitor

- & Harvey
- & Vital Sims
- & Ventriloscope
- ৯ 3G

Enhancing Projects



Use of Harvey



Ventriloscope

- Same as Harvey, however also includes heart sounds and more lung sounds.
- \& \$7,500 vs. \$85,000. Grants help cover the cost.
- ∀ Ventriloscope also can be used with standardized patients.

Use of Ventriloscope

- & SWBAT:

New Leaner/Basic

- & SWBAT
- □ Differentiate arrhythmias as they occur in the clinical setting.
- Recognize heart sound that correlates with condition.

Advance Learner

Problem Based Learning

- & Case study on Steroids.
- & Constructivism.
- № More immersion into the problem (case study).

Taking Simulation on The Road





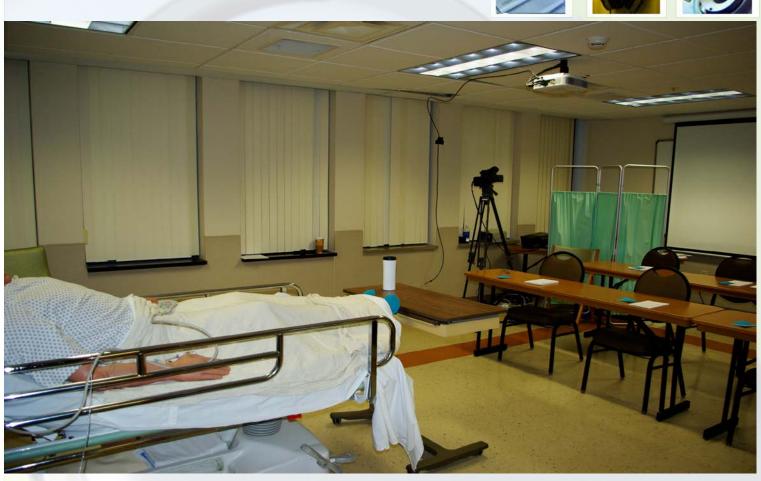


Meetings









Location Verification









IT Set-up









Equipment Needed









Simple & Effective









Basics

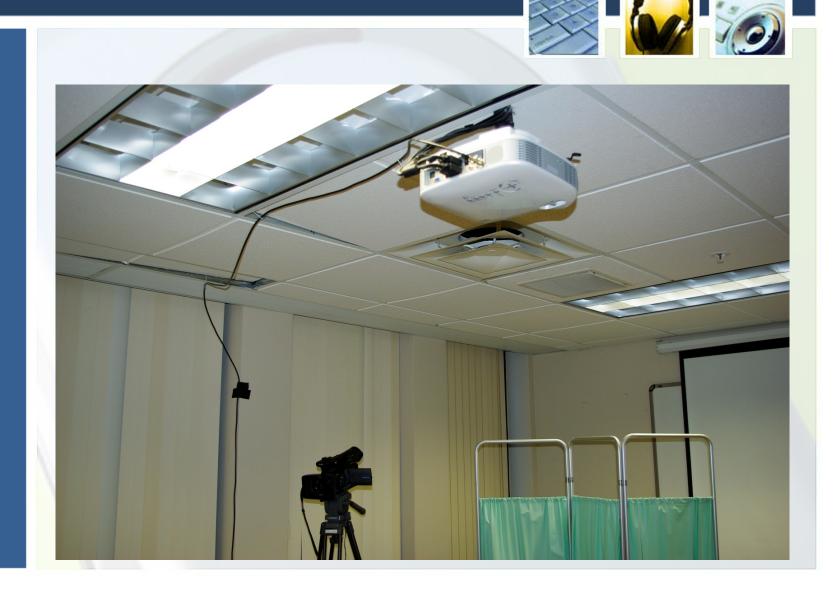








Merging Technology



It Works!









Tried & True















Questions?