

UTILIZING INFORMATION TECHNOLOGY FOR THE DEVELOPMENT OF CUSTOMIZED RESOURCES FOR SPECIALTY-BASED BEDSIDE CLINICIANS



Purpose

This project is the development and implementation of a multimedia website that is easily accessible 24/7 by point of care clinicians. Historical methods of information communication (meetings, e-mails, resource binders, skills fairs) became inadequate to meet patient care needs due to attendance challenges, lost e-mails and outdated information in binders. Skills fairs incurred overtime.

Setting & Design

- Setting is 5 adult intensive care units in 2 separate buildings on one campus
- A central repository of resources was built to address the complex needs of adult critical care patients.

Methods

- Software: Adobe Dreamweaver, Adobe Photoshop, Grass Valley Edius editing software, Xythos content management
- Accessible by clinicians from their computers at the bedside used for electronic documentation.
- Changes/updates are accommodated quickly by a department Webmaster
- Security is enabled with a firewall; Conformity with institutional website visual standards.

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Adult Critical Care Website Defaults to an **Updates** Page: General Updates Links to professional development opportunities Certification Social Institute (CSI) - Click on this link for the most curen Central Line and Arterial Line Insertion (Resources LINKS to documents / folders of documents LINKS to internal and external websites Flexiseal Signal Impella (Resources · Implanted Vascular Device Reference Sheet Induced Hypothermia (Resources) Intra-aortic Balloon Pump (Resources) Intraosseous Guideline (Also Refer to IHOP policy 09.13.33) Infravenous Infusion Chart American Association of Critical Care Nurses (AACN) AACN E-Learning Modules for New Graduates with Access (ECCO) Oral Care Regimen American Burn Association (ABA) Orientee Evaluation Tool for Adult Critical Care PCEA (Resources) Clinical Advancement Programs (CAP and CCAP) PICCO Catheter (Resources) Pulmonary Artery Catheter (Resource Rapid Response Team (Resources) Evidence Based Practice (EBP) Skin / Pressure Ulcer (Resources) Intra-Aortic Balloon Pump (Maquet · SOAR Fact Sheet for Burn Survivors IABP E-Learning Programs Micromedex Spotlight P/F Ratios Mosby's Nursing Skills Stroke Admission Packet (Resources NDNQI Pressure Ulcer Education Transport Checklist NxStage NxStage - Critical Care Stryker ICU Beds Ventricular Assist Device (VAD)

Videos:

Links to

High-risk,

Low
volume

skills and

other

topics

Links to

Updates

Documents

Links

Videos

Links to

Instructions

When viewing the videos, please ensure that you are using the computer on the unit with sound capability. Additionally, please note that any YouTube video will NOT work on the thin clients at all (including pictures) - you will receive an error message.

- AEG Monitoring
- Arterial Line Insertion *
- Camino Bolt
- CPOT: How to Use it in the ICU
(Funded/Produced by Kalser Permanente Northern California Nursing Research)
- CRRT - MStage *
- CRRT - Using the Flowsheet *
- Declotting Catheters
- Discontinuing Epicardial Pacer Wires
- Esophagogastric Tamponade Tube (Blakemore Tube) *
- Intra-Abdominal Pressure Monitoring *
- Intra-aortic Balloon Pump *
- Intra-aortic Balloon Pump *
- Intra-aortic Balloon Pump *
- PCEA - ITM *
- Peripherally inserted Central Catheter (PICC) Line
- PICCO2
- Portacath *
- PutAD
- Rapid Infuser *
- PVAD
- Rapid Infuser *
- Postage Legis Dectariate

Outcomes

Nine months post implementation survey:

- 94.7% of staff (n=39) had accessed the website at least once
- Ratings on Usefulness and Helpfulness = average 3.61 (Likert scale 1-4 with 4 being the most useful/helpful)

Staff Comments:

"Excellent resource"
"Well done and an excellent orientation tool"
"It's a fantastic website! Kudos to the creators'