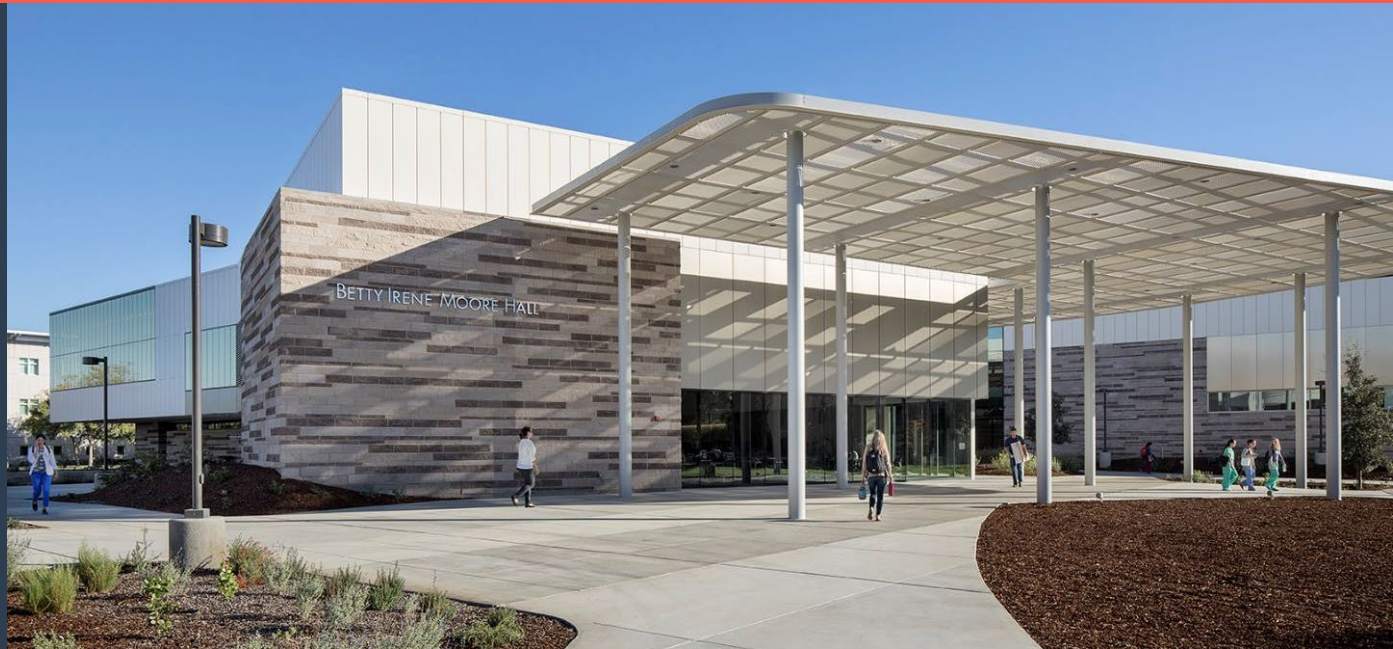




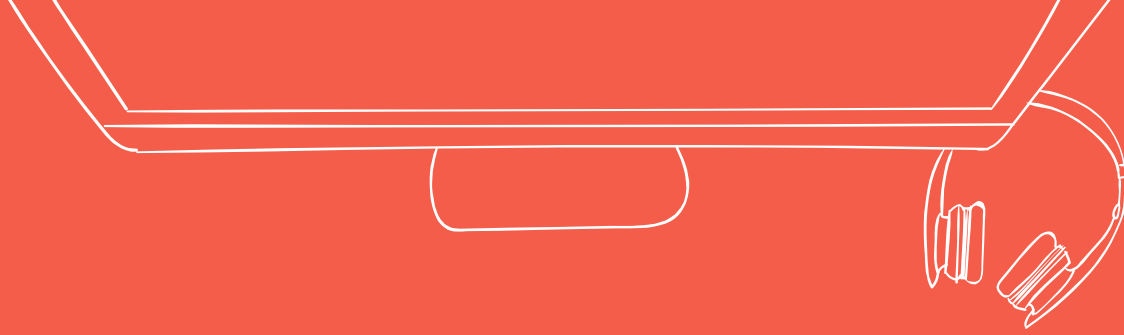
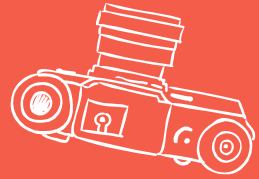
SAFE REMOVAL OF SECURACATH DEVICE: A GUIDE MODULE FOR NURSES AND MEDICAL PROVIDERS

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ACADEMIC SYMPOSIUM 2021

Background



Background Information

Peripherally Inserted Central Catheter or PICC lines

Becoming more common form of central venous access in hospitals for a short term to a long - term period.

Used to deliver critical medications, monitor cardiac function, fluid resuscitation, laboratory work - up and home infusion therapy.

Typically secured by sutures, adhesive locks, and subcutaneously engineered device called **SecurAcath** .

Current practice in a Bay Area Hospital

Utilizes **SecurAcath** as primary securement device.

Well established research of its efficacy in Europe and the United States.

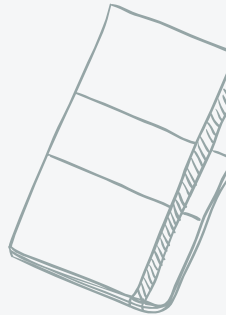
Incorporated in Central line bundle insertion in May 2019.

Problem statement



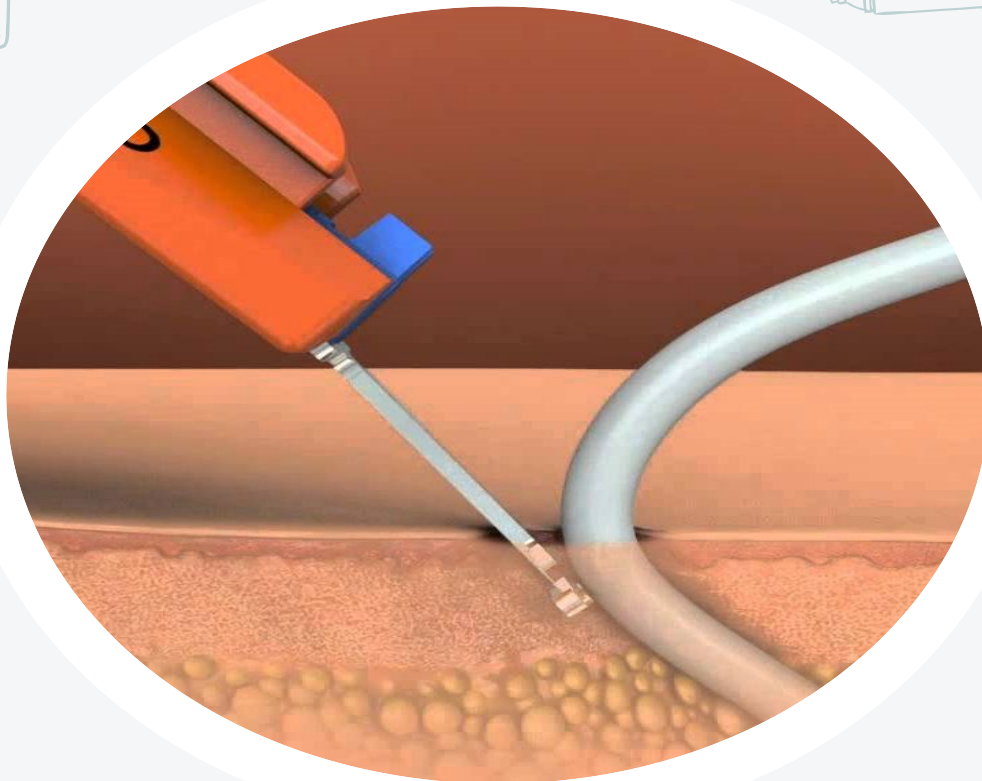
- A knowledge gap was identified among clinical nurses and medical providers on how to safely remove **SecurAcath**.
- No formal training was set in place since the device was rolled-out.
- Only Hematology and Oncology nurses were trained to safely remove the device, although competence is still in question.
- Different clinical culture and functions influenced the reception and perception on the device.

Vascular Access Support Team always provided the service on the removal of the device.



Problem statement

- Mounting discharge delays due to unavailability of nurses or medical providers who are trained in performing the task.
- Increasing patient dissatisfaction due to pain and discomfort during removal.
- Risks of patient injury is imminent when unsupervised and untrained personnel performs the job.
- Inability to troubleshoot when complications arise when a device is stuck.



A Quick Visualization of the **SecurAcath** when anchored subcutaneously



Project Goals

Create an educational module that focuses on live bedside teaching that will utilize procedural videos and return demonstrations using the demo box prior to the actual patient procedure.

Methods

- Just- in - time teaching at the bedside with focus on the anatomy of the SecurAcath device and its mechanics.
- Video - assisted learning on each removal method, each lasting for < 2 minutes.
- Practice on removal using a demo box.
- Quick Recall (QR) code for SecurAcath app download for review of methods and future reference.

Methods

- Four Expert Reviewers were consulted on the content of the module prior to implementation.
- Convenience sampling was utilized in choosing the participants.
- Five - point Likert scale type - question satisfaction survey was conducted after the training.
- Microsoft Excel was used to analyze the survey data from the participants.
- Training is supervised only by a Vascular Access Nurse Specialist.

Results

- Seven participants were successfully trained including 1 Nurse Practitioner.
- RN participants were med - surg nurses in the facility where the project was implemented.
- A team of 4 Physicians were also trained but failed to perform the procedure.
- 100% of the participants were satisfied with the methods employed



Discussion and Limitation



- Implementation is limited to UCSF Parnassus campus only.
- Not all hospitals with a Vascular Access Specialist team uses **SecurAcath** device.
- SecurAcath app will be available for nurses on their VOALTE phones for quick reference.
- The device is exclusively used for PICC line securement only.
- Future use and different sizes for other forms of central vascular access devices is already available.
- Uses for External ventricular drain securement (EVD) are also available.
- This training module will be included in the vascular access management classes during on-boarding process for new hires.
- Patient Discharge Form Sheet for Home Health with a 24/7 live clinical consultation is available for clinical assistance.

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Thanks!
Any questions?

