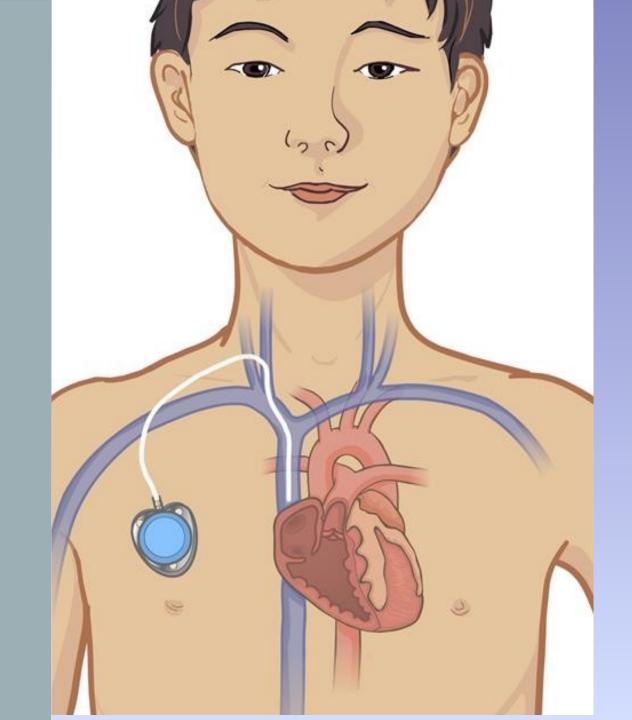
IS PORT-A-CATH A SAFE AND EFFECTIVE ACCESS FOR IV THERAPY COMPARED TO PICC LINES FOR VETERANS NEEDING LONG TERM IV THERAPY?

An Evidence Based Quality Improvement project Guided by the 2018-2019 VA/OHSU Evidence based Fellowship program

Linny Tharappel RN ,BSN Portland VA Medical Center

WHICH IS THE SAFEST IV ACCESS AND BLOOD DRAW ACCESS? WHICH HAS THE LEAST COMPLICATIONS AND HIGHER QUALITY OF LIFE?



TWO COMMONLY USED CENTRAL VENOUS CATHETERS, PERIPHERALLY INSERTED CENTRAL VENOUS CATHETERS(PICC) AND PORT-A-CATH

PORT-A-CATH



PICC LINE



MAKING CHANGES IN CPRS NURSES NOTES.

mplate: OUTPATIENT	MEDICINE - NURSING ME	DICINE SUMMARY NOTE			
▼ IV Acces	S				
□ New IV Gauge:	placed by: Site:		¥		
□ Ultraso Gauge:	ound IV place Site:	d by:	¥		
□ Additio Gauge:	onal IV place Site:	d by:	7		
Gauge:	ng IV site da Site: nt not paten		···		
□ PICC line site: Right upper arm □ Left upper arm □ Patent □ Not patent					
☑ Port-a-cath					
☑ Last access: May 6,2019 Site: Right chest					
☑ Site appearance:					
☑ no s/s of redness, edema, discharge or pain at site					
\square s/s of redness, edema, discharge or pain at site:					
☑ Accessed per protocol with Huber needle: size					
Eas	irated and di e of aspirati atent		ml		
□ Difficult to aspirate					
\square Unable to aspirate					
□ со	omments:				
□ Aspir	ated:	ml			
☑ Patient satisfied with port: ☑ Yes ☑ No					
Patient comment:					
I am glad that I have the port. I don't get multiple sticks.					
☑ Comments:					
		ple peripheral lines a	nd Picc 1:	ine before.	
□ Tunneled Catheter:					
All	None	* Indicates a Required	d Field	Preview	OK
		m			

Methods

existing CPRS **Nurses Note**

Revisions in the Chart Reviews of all the patients coming to **Infusion area** from December 2018-**April 2019**

Track patients who will benefit from Port Placements(Ult ra sound IV **Placement** patients)

Refer patients who needs Port placement to chemo providers

Patient education

RESULTS

Total Number of patients came to OMU with port from December 2018-

April=28

December-12

January -16

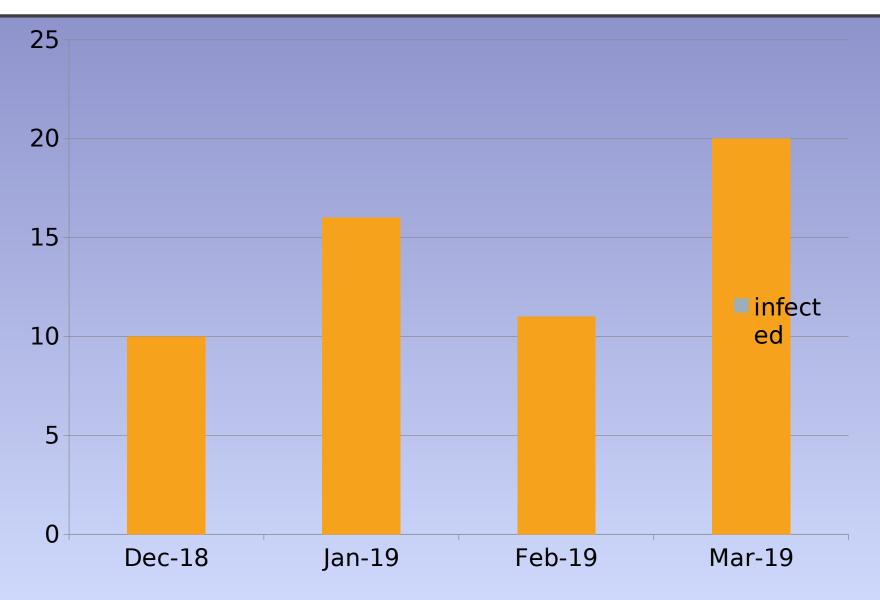
February-11

March-20

Number of Port related infections-0

Overall Patient satisfaction-100%

NUMBER OF 'PORT A - CATH' PATIENT VISITS TO OMU: 28



Number of Port related infections: 0

RESULTS

Number of Picc line patients came to OMU from December 2018-April 2019=21

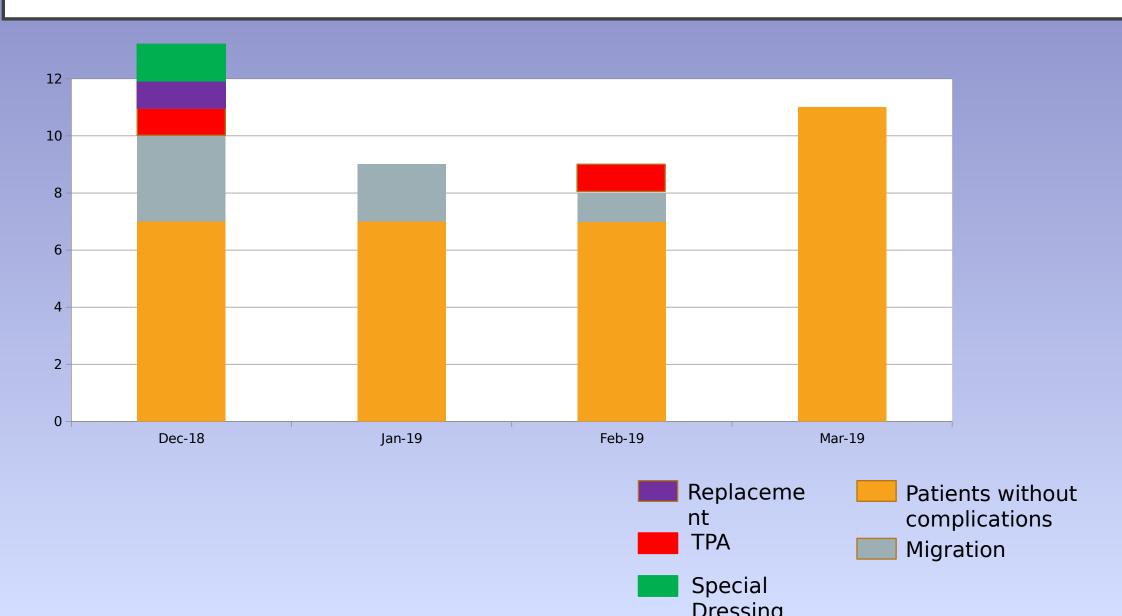
December-10

January-7

February-8

March-11

NUMBER OF 'PICC LINE PATIENT VISITS TO OMU: 21



COST FACTORS

\$665 for Port device
Imaging department and
OMU staff time
Port needs monthly flush

Picc lines are placed anywhere in the hospital by Picc Team RN X-Ray Expense. Weekly Flush Cap changes twice a week and after blood draws Weekly dressing changes Treatment of complications.

Conclusion

Patient Satisfaction with Port: 100%

Infection Rate with Port: 0%

Recommendations / Next Steps

- 1. Referral
- 2. Patient Education
- 3. Track down patients requiring ultrasound IV Placements
- 4. Continue collecting data

Limitations

- 1. Time -Extensive chart review
- 2. Lack of tracking system
- 3. Unable to track patients visiting different units

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