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Glucose Management

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Glucose Management

Interventional Progressive Coronary Unit (IPCU):
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BACKGROUND

- There is a high diabetic population in Interventional Progressive Coronary Unit patients
- IPCU patient's have had poor glycemic control
- Glycemic range from Point of Care Test (POCT) results considered controlled for this project was 70-180 mg/dL
 - For the weeks in April '20 and May '20, IPCU was only in this range above 80% of the time, for two weeks. The rest of the weeks were in this range less than 80% of the time.

PICO

- P:** Diabetic patients admitted to IPCU
- I:** Reeducating nurses
- C:** No new education
- O:** Tighter glycemic control

EVIDENCE

- "Relevant continuing education has been shown to increase self-reported confidence, competence, and job satisfaction among rural nurses and to expand their range of practice". (Kosteniuk et al., 2019)
- "The most accessible workplace communication tool was high-speed Internet, since 87.2% of nurses surveyed had access to this tool. Nurses overall used online/electronic education more often than in-person education to update nursing knowledge". (Kosteniuk et al., 2019)

OUTCOMES

SURVEY RESULTS: Of the 15 nurses surveyed on IPCU

- 60% stated there needs to be better communication between technical partners and nurses as to when sugars are taken.
- 93.3% reported knowing how to customize the Epic toolbar in order to be notified of a new lab result, such as a new POCT.
- 100% knew they had 30 minutes after a POCT was taken to give ISF Coverage.
- 66.7% knew they had to wait 3 hours after giving Insulin to recheck a POCT
- 100% knew how to access the different ISF scales through Policy Tech.

Glycemic Control Report Pre & Post Implementation:

POCT Results for 3A IPCU			
July 2019 – December 2019	POCT BG Percent	January 2020 - Present	POCT BG Percent
7/1/19 – 7/31/19	73.0 %	1/1/20 – 1/31/20	78.4 %
8/1/19 – 8/31/19	75.7 %	2/1/20 – 2/29/20	68.0 %
9/1/19 – 9/31/19	68.6 %	3/1/20 – 3/31/20	75.6 %
10/1/19 – 10/31/19	67.3 %	4/14/20 – 5/4/20	82.7 % 60.1 %
11/1/19 – 11/30/19	72.9 %	5/5/20 – 6/1/20	84.3 % 68.0 %
12/1/19 – 12/31/19	75.8 %	6/2/20 – 6/29/20	77.7 % 63.5 %

■ : COVID-19
 ♦: Highest to Lowest Range in time span
 Red: less than 70% Yellow: 70-79 % Green: 80% or greater (Goal)

IMPLEMENTATION

- Survey for nurses to assess existing knowledge on glucose management.
- Glucose management reminder sheet created using policy tech put on the unit for nurses.
- Reminded staff that they are able to re-visit existing diabetic management TLC's.

NEXT STEPS

Barriers:

COVID pandemic causing:

- Not having usual patient population and staff
- Not having adequate time to see results

Going Forward

- Continue to promote proper glucose management
- Incorporate other the interprofessional team and units that are directly impacted by IPCU patients (ICS and dietary)

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