

## Sequential Compression Device Compliance

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# Sequential Compression Device Compliance

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## BACKGROUND

- Observed that patients were not wearing their sequential compression devices (SCDs)
- Lack of education on the importance of SCDs

## PICO

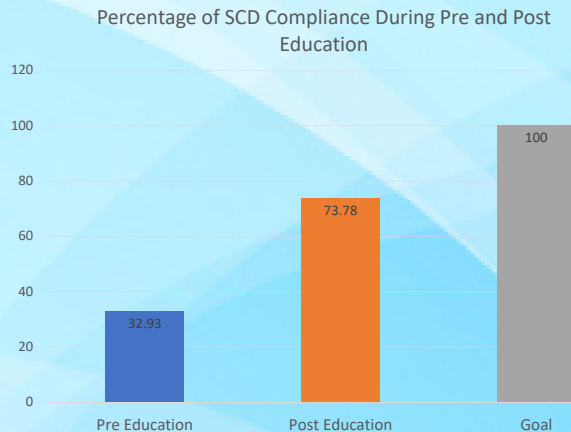
- **P: Registered nurses**
- **I: SCD education**
- **C: No education**
- **O: SCD compliance**

## EVIDENCE

- According to Chen, an prospective observational study done over 4 months on patients who underwent cesarean sections or benign gynecological surgeries. showed compliance with post-operative use of SCD's is approximately 58% and did not improve with patient or nurse education interventions (2018).
- Another prospective observational study of antepartum women for non-delivery indication for more than 24 hours. Conducted over a year on education and implementation of pre-check order sets for SCD's. Use of pre-checked order sets increased the provider compliance of SCD's (Brady, 2015).
- An observational and survey study on postoperative urologic patients to assess factors that contribute to SCD compliance (Ritsema et al. 2013).
  - factors for non-compliance
    - lack of sleeve reapplication (50%), lack of availability (22%), sleeves were uncomfortable and confining/restrictive (19%) SCD machine was not turned on/restarted (8%) (Ritsema et al. 2013)

## OUTCOMES

- Percentage of SCD compliance post-education for Cardiovascular telemetry unit between May 31- June 14 compared to SCD compliance pre-education between March 8 –March 22.
  - This was an 40.85 % increase when compared to data during pre-education of staff was implemented.



## IMPLEMENTATION

- Observe patient compliance with SCDs for 2 weeks prior to educating staff
- A secret shopper will observe for SCD compliance before staff education is implemented
- Education provided to staff during morning huddle, sign in sheet for staff
- Post education, observe SCD compliance for an additional 2 weeks

## NEXT STEPS

- Continue to encourage nurses to educate their patients on the importance of being compliant with their SCDs.

## REFERENCES

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