

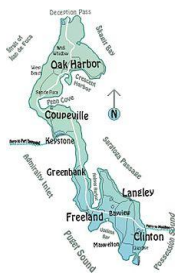


Think Inside the Box!
Facilitating Early Interventions through
Extravasation Kits in a Critical Access Hospital

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WhidbeyHealth



WhidbeyHealth



- The Community**
- 21.5% over age 65 (13.6% state avg.)
 - High Tourism
 - Homelessness

- The Hospital**
- Only 1 on island
 - Critical Access, 35 bed hospital
 - Independent
 - 1 Med-Surg, 1 ICU

The Incident...

- 67 YO Male, SBO
- Phenergan 25 mg IV Push
- Extravasation Injury
- Transfer to other facility

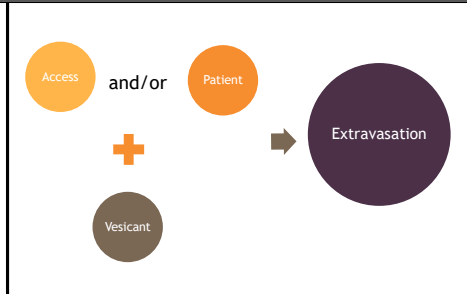


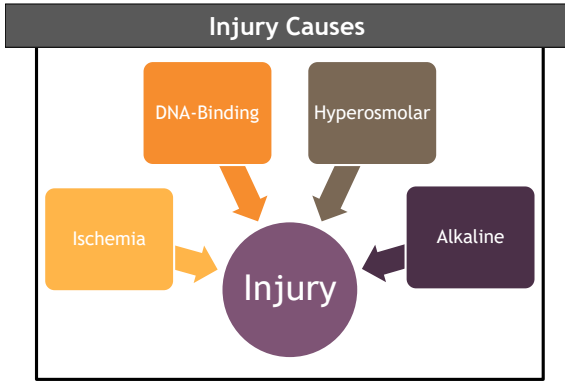
Warning:
Gross Picture Ahead

Extravasation

“leakage of a vesicant into extravascular tissue”

Extravasation Causes



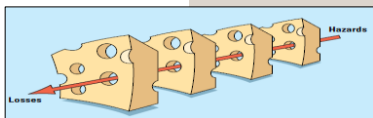


Injury Reduction

Limit Exposure	<ul style="list-style-type: none"> • ID Early • Stop infusion • Aspirate • Avoid Pressure
Promote Reabsorption	<ul style="list-style-type: none"> • Thermal Therapy • Elevation • Hyaluronidase
Reverse Effects	<ul style="list-style-type: none"> • Antidote • Antagonists
Prevent Complications	<ul style="list-style-type: none"> • Assessment • Fasciotomy • Debridement

RCA Results:

- Presence of:
 - High variability in practice
 - Barriers to communication
 - Culture of fault-finding
 - High usage of vesicants
- Lack of:
 - Knowledge of “everyday” vesicants
 - Knowledge of assessments
 - Ability to chart and track assessments
 - Evidence-based guideline for treatment
 - Knowledge of antidotes
 - Easy access to treatments



Incident Prevention



- 1 Limit Vesicants
- 2 Train on Prevention
- 3 Facilitate Early Intervention
- 4 Streamline Documentation and Follow-Up



- Evidence-Based
- Standardized
- Available
- Nurse-Driven
- Provider-Guidance

Extravasation Kits

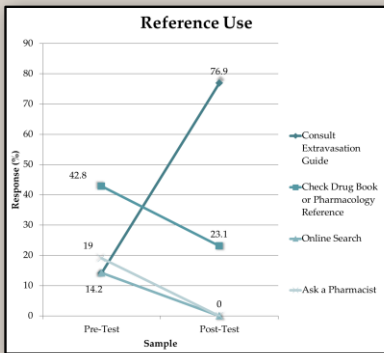


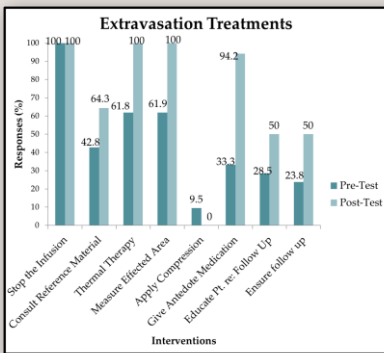
Design Considerations

- 1 Urgent Need Portable
- 2 Multiple Locations Standard Format
- 3 Variable Resources All-Inclusive
- 4 Low Frequency Use Guide
- 5 Complex Process Stepwise Design
- 6 Limited References Med-Specific Guide
- 7 Unusual Procedures Treatment Diagrams
- 8 Lengthy Process Tracking Sheet

Outcomes

- Pre-test/post-test staff survey
- Convenience sample from MS, ICU, MAC, and DI
- n: 20 & 19 (28% of staff)





Extravasation

NOT

JUST A FLESH WOUND



**Thank
you!**



References

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