

There's an App for That: Using Mobile App Technology to Educate Nurses at the Bedside

Nicole P. Delinski MSN RN CCRN
Clinical Education Program Specialist
OSF Health Care
Peoria, Illinois

Disclosure

- There's an App for That: Using Mobile App Technology to Educate Nurses at the Bedside.
 - Author: Nicole Delinski MSN RN CCRN Clinical Education Program Specialist at OSF Healthcare Peoria, IL.
- At the end of this session, the participant will innovate an idea for mobile technology at the bedside.
- The author has no conflict of interest.
- There is no sponsorship or commercial support given to the author



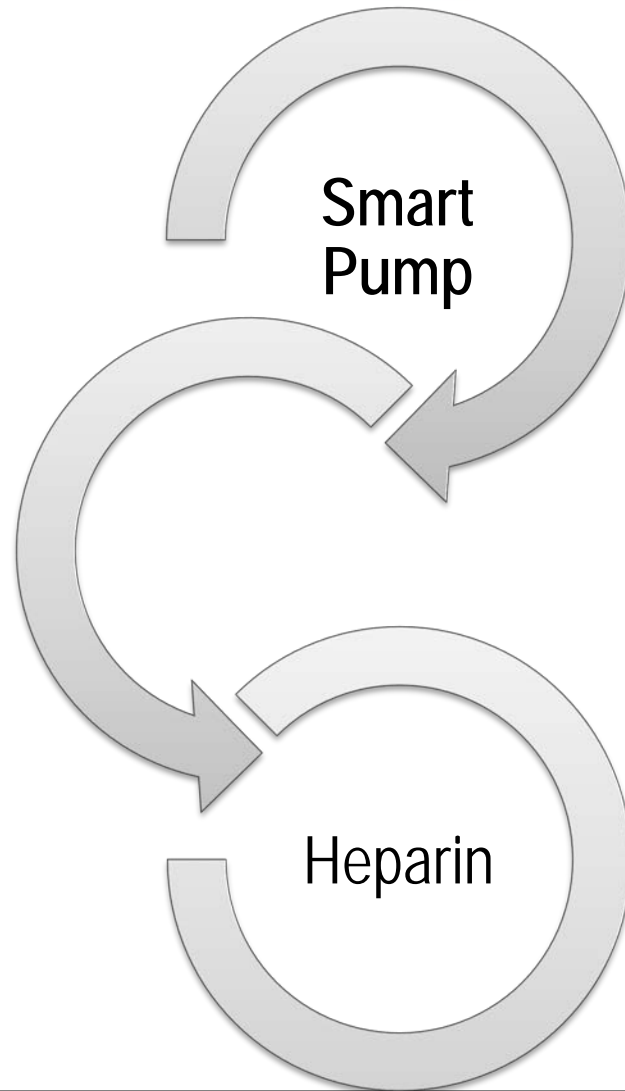
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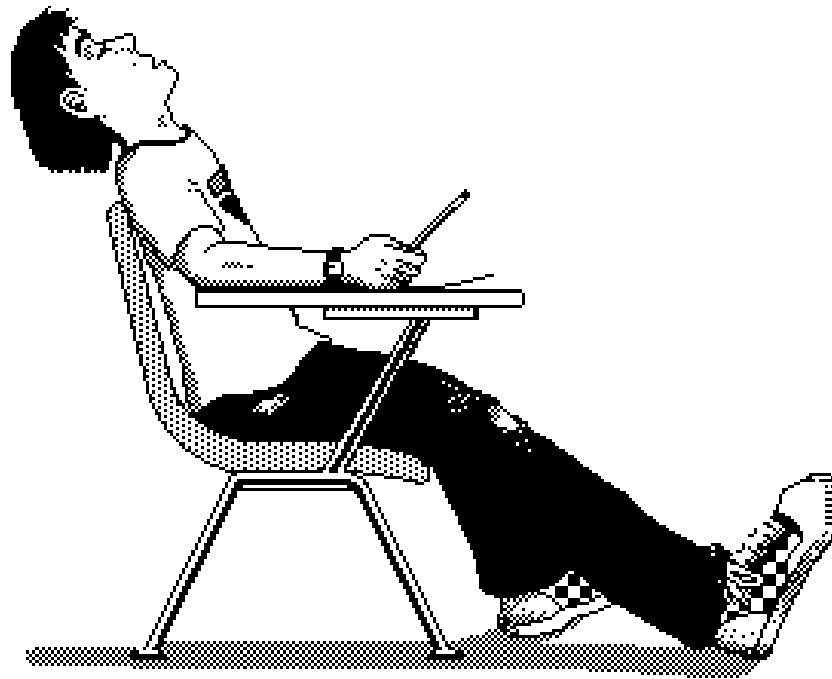






Overview







SMART PUMP TRAINING



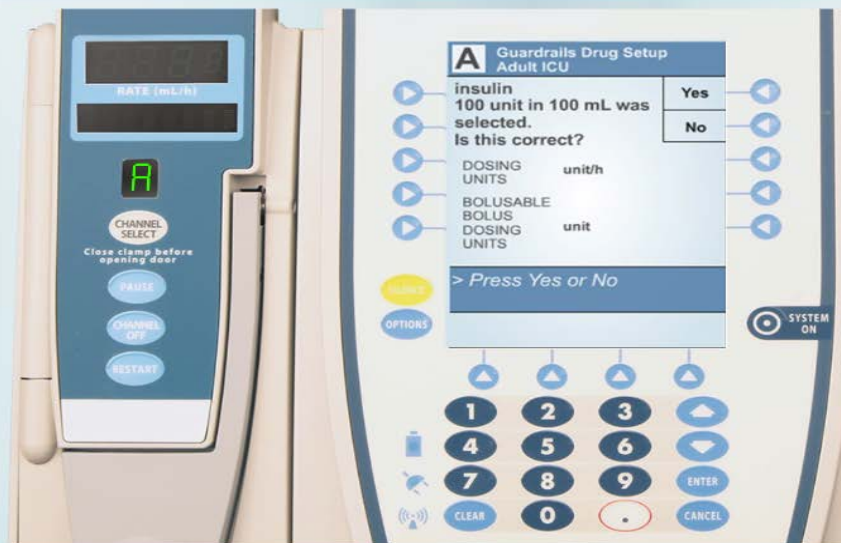
INFUSION SIMULATION

ORDERS

Insulin drip continuous dose at 5 unit/hr.

NEXT STEP

Confirm the selected drug by pressing the "Yes" key.



BACK

NEXT



SMART PUMP TRAINING



INFUSION SIMULATION

ORDERS

Insulin drip continuous dose at 5 unit/hr.

NEXT STEP

To program the infusion amounts, begin by setting the "Volume to be Induced" (VTBI) amount. Press the key next to "VTBI" to select it.

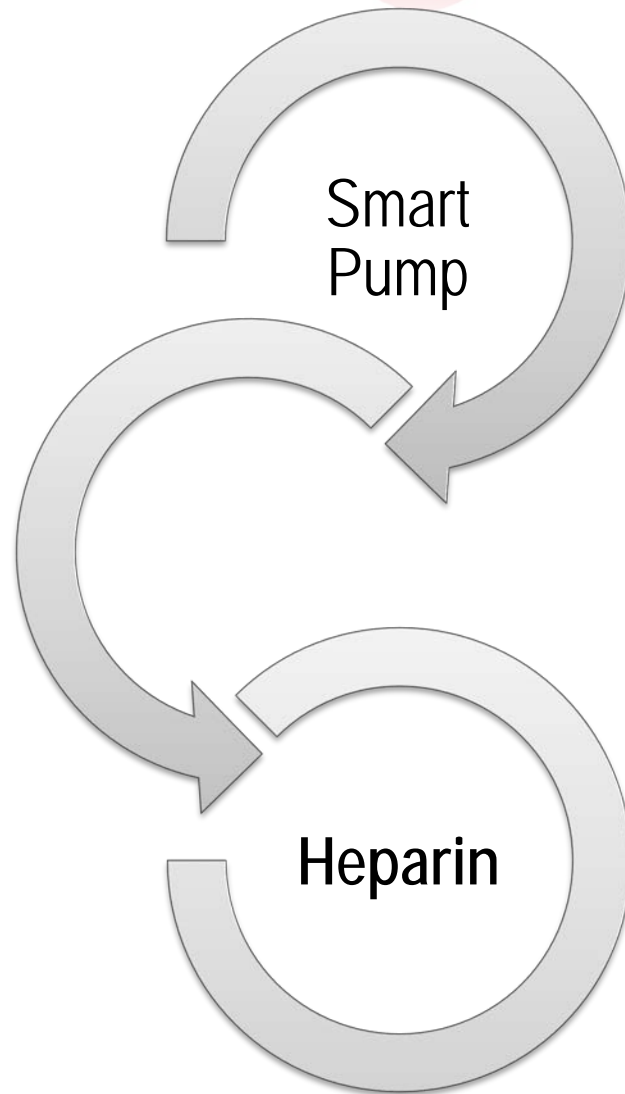


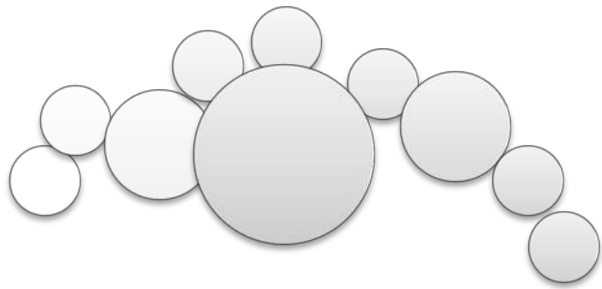
BACK

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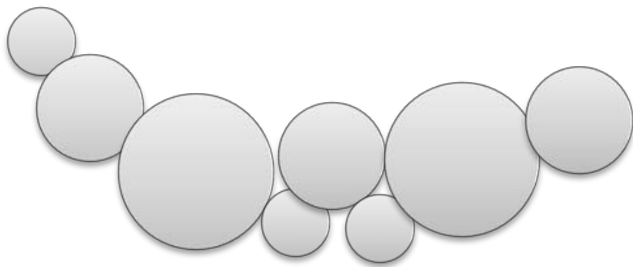
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Overview





90% of hospitalized patients receive infusion through IV pumps.



Infusion devices account for 35% of all medication errors that result in significant harm.



HEPARIN ADJUSTMENT



SCENARIO #1

Your patient has been started on a heparin drip at 0930. It is infusing at 1000 units/hr. A PTT is drawn at 1530. The PTT comes back and is subtherapeutic at 42.

The patient's weight is 100 kg.

What do you do?

PERFORM AN IV PUSH



LEGAL DISCLAIMER

Heparin Scenario



HEPARIN ADJUSTMENT



RESULTS OVERVIEW

SCENARIO 1 RESULTS

33% passed
33% did not double check

SCENARIO 2 RESULTS

100% passed
0% did not double check

SCENARIO 3 RESULTS

0% passed
100% did not double check

QUESTION 1 RESULTS

57% correct

"It is now 2300, and your patient has a heparin drip infusing at 950..."

QUESTION 2 RESULTS

0% correct

"Your patient has new heparin infusion orders. What do you need..."

QUESTION 3 RESULTS

43% correct

"It is now 1300 and your patient has a heparin drip infusing at 750..."

USER FEEDBACK

	1	2	3	4	5
I enjoyed this method of training...	0	0	0	1	6
I found the training to be user friendly...	0	0	0	2	5
I would like to see more tablet training...	0	0	0	3	4
I find tablet education to be positive...	0	0	0	0	7

LEGAL
DISCLAIMER

Admin Reporting Tools

Overall Outcomes

Smart Pump

- Decreased Nursing Orientation Time In-Seat
- Easy Mobile Reference at the Bedside

Heparin App

- Decrease Heparin Errors
- Preventative Savings



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