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

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Disclosure

• There’s an App for That: Using Mobile App Technology to Educate Nurses at the Bedside.
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• 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
Overview

Smart Pump

Heparin
INFUSION SIMULATION

ORDERS
Insulin drip continuous dose at 5 unit/hr.

NEXT STEP
Confirm the selected drug by pressing the “Yes” key.
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.
Overview

Smart Pump

Heparin
90% of hospitalized patients receive infusion through IV pumps.

Infusion devices account for 35% of all medication errors that result in significant harm.
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
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 2000, and your patient has a heparin drip infusing at 950...*

QUESTION 2 RESULTS
0% correct
*Your patient has new heparin infusion order. 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

<table>
<thead>
<tr>
<th>I enjoyed this method of training...</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>I found the training to be user friendly...</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>I would like to see more tablet training...</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>I find tablet education to be positive...</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

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