

Peripheral IV Insertion Demystified

A training tool to improve nursing confidence with peripheral IV insertions
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BACKGROUND

- Multiple factors contribute to nurses having a lack of confidence with peripheral IV starts.
- In a survey of 408 nurses at our hospital, 58% of RNs reported they needed education and hands on skills practice, 47% had to consult with a STAT nurse or anesthesiologist for help with an IV insertion, and 32% reported a lack of confidence when starting IVs.
- Our nurses need a simple, easy way to access tips and tricks with IV insertion.

PURPOSE

Implement an innovative training tool to assist nurses to become more confident and successful with peripheral IV starts in an environment where nurses have limited opportunity to grow their skills.

DESCRIPTION

- Provide nurses with an easily accessible tool that pairs IV insertion videos with tips and tricks specific to individual vein types.
- Simulate the experience of insertion in a manner that is immediately accessible.
- Veins in the upper extremities tend to behave in a consistent manner - gave them memorable “personalities.”
- Created videos of actual IV insertions for each vein, providing step-by-step procedure and tips and tricks from experienced nurses..
- Training tool provides nurses the opportunity to identify and pair information specific to each vein with the expert advice for insertion techniques each time they are tasked with an IV insertion

VEIN PERSONALITIES

THE VALLEY GIRL

Think “superficial and sensitive.”



THE UNICORN

You may have to “chase” your unicorn.



THE YOUNG AND THE RESTLESS

Very healthy, don’t like to stay in one place!



THE FORGOTTEN FAVORITE

The Old Standby’s neighbor.



THE HIDDEN GEM

You can’t see it, but when you find it, it is a gem!



THE HIBERNATOR

This one is “sleeping” out of eye’s view.



THE OLD STANDBY

The “good old go-to” vein.



DARK AND DELICATE

Treat these with tender love and care!



INITIAL VALIDATION

- Nurses signed up to take an IV insertion workshop were asked to choose 2-3 videos to watch and provide feedback.
- 4 nurses requested a video on inserting lidocaine, so we created a how-to video.
- 100% of the nurses stated that the videos increased their knowledge with starting peripheral IVs.

TRY IT FOR YOURSELF!

- Open the camera on your phone.
- Point it at the QR code, and center it in the “box.”
- A link will appear. Click the link to watch!

NEXT STEPS

Do:

- Roll out QR codes on one floor in the hospital.
- Have nurses in training watch the videos and fill out questionnaires

Study:

- Track how often videos are used?
- What feedback do we receive?

Act:

- Adjust videos based on feedback
- Adjust medium in which QR codes are distributed, i.e. badge cards, pamphlets, hanging signs, etc.