

# **Enhanced IV Line Clamp**

Revolutionizing Patient Care Through Human-Centered Design





# Visibility from back



notes: windows allow color to be visible from back of clamp (above); red indicator will have white striping for color blind differentiation

# **Strong Market Potential**

- 80% of patients will undergo intravenous therapy
- Conceptual stage of development
- Events reported and literature exists involving delays in treatment and/or patient harm associated with the roller clamp
- Use with intravenous tubing, with or without delivery via an infusion pump
- Adult and pediatric applications

#### **Improved Usability and Safety**

- Redesign the common roller clamp for improved usability within workflows and reduce clinical errors caused by lack of status awareness
- Human-centered design concepts utilized to develop and test prototypes with key features of inherent functionality and status communication
- Usability testing performed among diverse clinician population and researcher-led interviews

#### **Enhanced Design**

- Prominent visual cues; clamp open/closed status visible from near and far distances
- Inherent function and movement
- Clamp position and movement
- Universal stop mechanism makes product accessible and functional for individuals with colorblindness



# **Scalable and Cost Effective**

- Applicable in health care facilities administering intravenous medications
- Usable for health care facilities using IV tubing and IV tubing sets with or without delivery via infusion pump
- Simplistic design/minimal parts involved



# Inventors of the Enhanced IV Line Clamp

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Scan the QR code to watch a brief video on the Enhanced IV Line Clamp.



For more information, contact Tech.Commercialization@NationwideChildrens.org

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