



**VOXELLO**<sup>®</sup>

BETTER OUTCOMES.

Patient-Provider Communication  
Improving Patient Outcomes  
The noddle<sup>®</sup> Study

# Making the patient an active participant in care

- Patients need to be able to summon their nurses
  - Access the nurse call system
- Patients need to be able to effectively communicate with their nurses
  - To communicate about symptoms
  - To participate in assessments
  - To indicate their preferences about cares
  - To ask questions about cares
- Patients who face communication barriers are at increased risk of preventable adverse events

# Barriers to Patient-Provider Communication

- Inability to use conventional nurse cell pendant
- Inability to use alternative nurse call system switches (e.g. soft touch)
- Inability to speak due to intubation or tracheostomy
- Inability to produce intelligible speech
- Inability to write due to weakness or paresis

# Using Assistive Technology to Overcome Barriers. The noddle® Study

- Take advantage of any intentional gesture a patient can make
- Enable patients to access the nurse call system with a small intentional gesture
- Enable patients to use intentional gestures to control a speech generating device

# The Voxello System



# Using the noddle<sup>®</sup> to access the nurse call



# Who is eligible for participation in the noddle<sup>®</sup> study

- Patients above the age of 3
- Patients who are conscious and not continuously sedated
- Patients who can produce an intentional gesture
- Patients who can understand that producing an intentional gesture can activate the nurse call system

# How to get your patient in the noddle<sup>®</sup> study

- Page the study coordinator (pager #)
- Patients must be conscious and able to produce an intentional gesture (e.g. tongue click, push tongue into cheek or any small movement)
- Call the study coordinator with questions or if there are problems with the system (pager #)
- Contact study coordinator if/when patient transfers to another unit (pager # ). Ensure proper handoff to nurses in other units.





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