

# For Effective Care, Every Patient Needs To Communicate.

Using the noddle™ and noddle-chat™  
Just-in-Time Training

Ver. 2.0



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# Alternative Nurse Call Study

- Patients who are conscious but lack the motor skills (e.g. spinal cord injury patients) to use the standard nurse call pendant or standard alternatives (pressure bulb or flat plate) need some form of assistive technology to access the call system, control their environment and use a speech generating device (**noddle-chat™**).
- The purpose of this study is to evaluate the responses of patients, family members, and nurses to an alternative switch (**noddle™**) to enable them to access the call system and effectively communicate.

# What is the **noddle™**?



- The **noddle™** is a device that patients who are unable to activate the standard call lights can use to call a nurse, control their environment, and use a speech generating device (**noddle-chat™**)
- It is activated by intentional gestures such as:
  - tongue click
  - pushing tongue into cheek
- **noddle™** sensors have alternative mounting options

# What is the **noddle-chat™**?



- The **noddle-chat™** is a speech generating app that runs on an android tablet mounted on the IV pole with a custom adjustable arm. It consists of a series of communication templates to allow you to better communicate with your patient.
- The tablet is linked to a **noddle™** via Bluetooth® so the patient can select a desired message by with an intentional gestures
  - With one click (gesture) the patient steps through options
  - With two clicks the patient selects an option

# Examples of noddle™ Sensor Options

- noddle-touch™
  - Activated by patients pushing tongue in cheek
  - Sensor mounted to collar or on headband
  - Alternative can be mounted on bedding
- noddle-mic™
  - Microphone activated by tongue click
  - Sensor mounted to collar or headband
  - Alternative can be mounted on vent circuit or vent circuit support



noddle-touch™  
(collar mounted)



noddle-mic™  
(collar mount)

# Role of Nurse

- Identify patients who would benefit from device and page the study coordinator (pager #####)
  - Patients must be conscious and able to produce intentional response such as:
    - tongue click, push tongue into cheek or any small movement
  - Keep the sensor positioned for optimal patient use
  - Collar care every 8 hours if the **noddle™** if collar mounted
- Support the patient's use the **noddle™** and the **noddle-chat™** speech generating device.
  - If you are caring for the patient, when the device is discontinued or when the study coordinator visits the day before discharge, complete a short nurse survey, if you are willing to participate in the study
  - Call the study coordinator with questions or if the device is discontinued (pager #####)
  - Contact study coordinator if/when patient transfers to another UIHC unit (pager #####). Ensure proper handoff to nurses in other units

# Role of Study Coordinator

- The study coordinator (pager #####) will:
  - Assist in the evaluation of patients for inclusion in the study
  - Obtain an informed consent from the patient, family, and nurse
  - Set up the **noddle™** system specific to patient needs
    - Determine which **noddle™** sensor to use (**noodle-mic™** or **noddle-touch™**)
    - Determine the optimal mounting of the **noddle™**
  - Teach the patient, their partner in care, and the nurse how to use the **noddle™** and the **noddle-chat™** speech generating device
  - Routinely monitor the patient's ability to use the **noddle™** system and adapt as necessary
- Invite the patient, family, and nurse to complete a short survey about their experiences with the **noddle™** and the **noddle-chat™** after the device is discontinued or the day prior to discharge
  - Serve as a resource to answer questions
- Clean and return the **noddle™** and the **noddle-chat™** SGD to the study storage room

# Additional Resources

- Instructional videos on device use and sensor mounting can be found at \_\_\_\_\_
- **Page ###** for the Study Coordinator
- Quick Start Guides – laminated on each noddle™ designated IV pole