

# Monopolar Survey: Abbott Informity

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**AMDAPP**

Association of Movement Disorder Advanced Practice Providers

# Jessica Karl – Relevant Financial Relationships

- No disclosures to report.

All relevant financial relationships have been mitigated

# Outline

1. Monopolar survey – Overview
2. Abbott platform – Buttonology
3. Informity

# Monopolar survey

- Completed ~3-4 weeks post-DBS surgery
- Determine benefit and side effect threshold of each electrode level on the DBS lead
  - Individual segment review completed at a subsequent visit
- **Goal:** to determine the most optimal electrode level
- PD patients:
  - Completed in the medication-OFF state
- Abbott has the Informity tool to assist in performing and documenting the monopolar survey

# Mono-polar survey with Informity

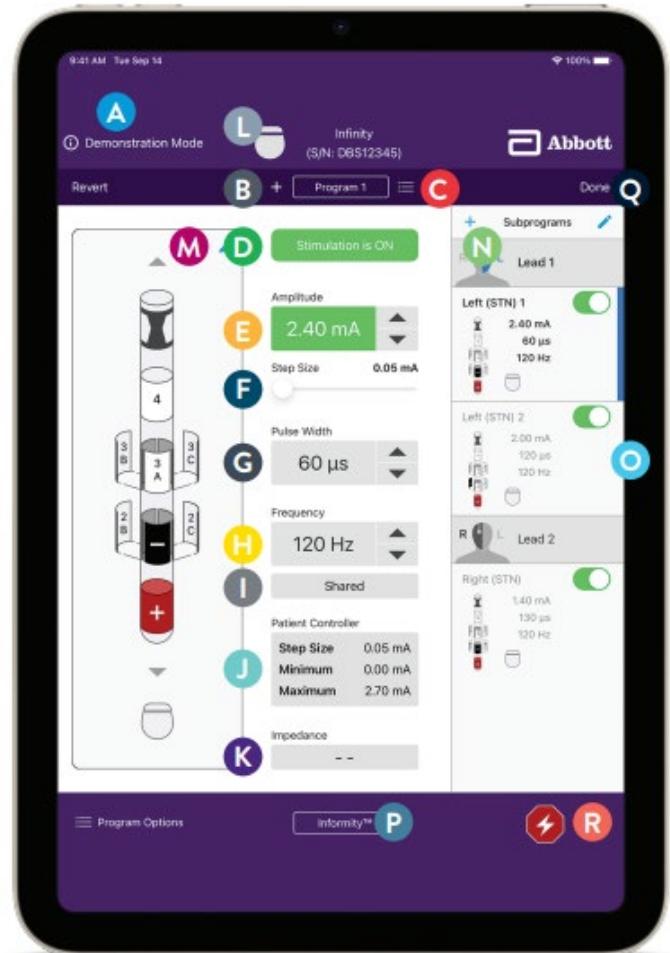


Patient Controller NR  
Version 3.11

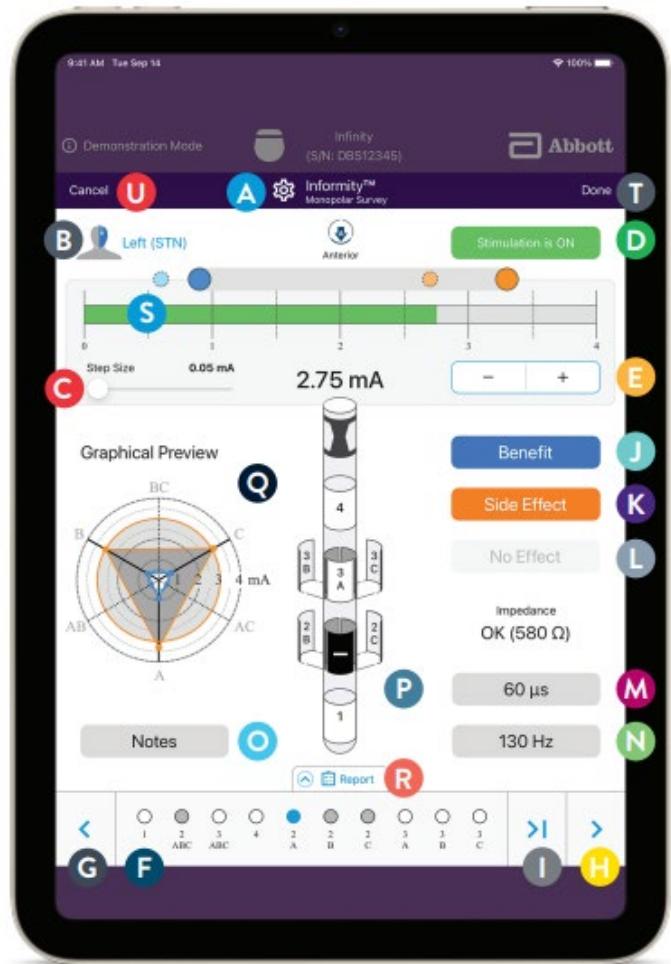


Patient Controller RC  
Version 2.0

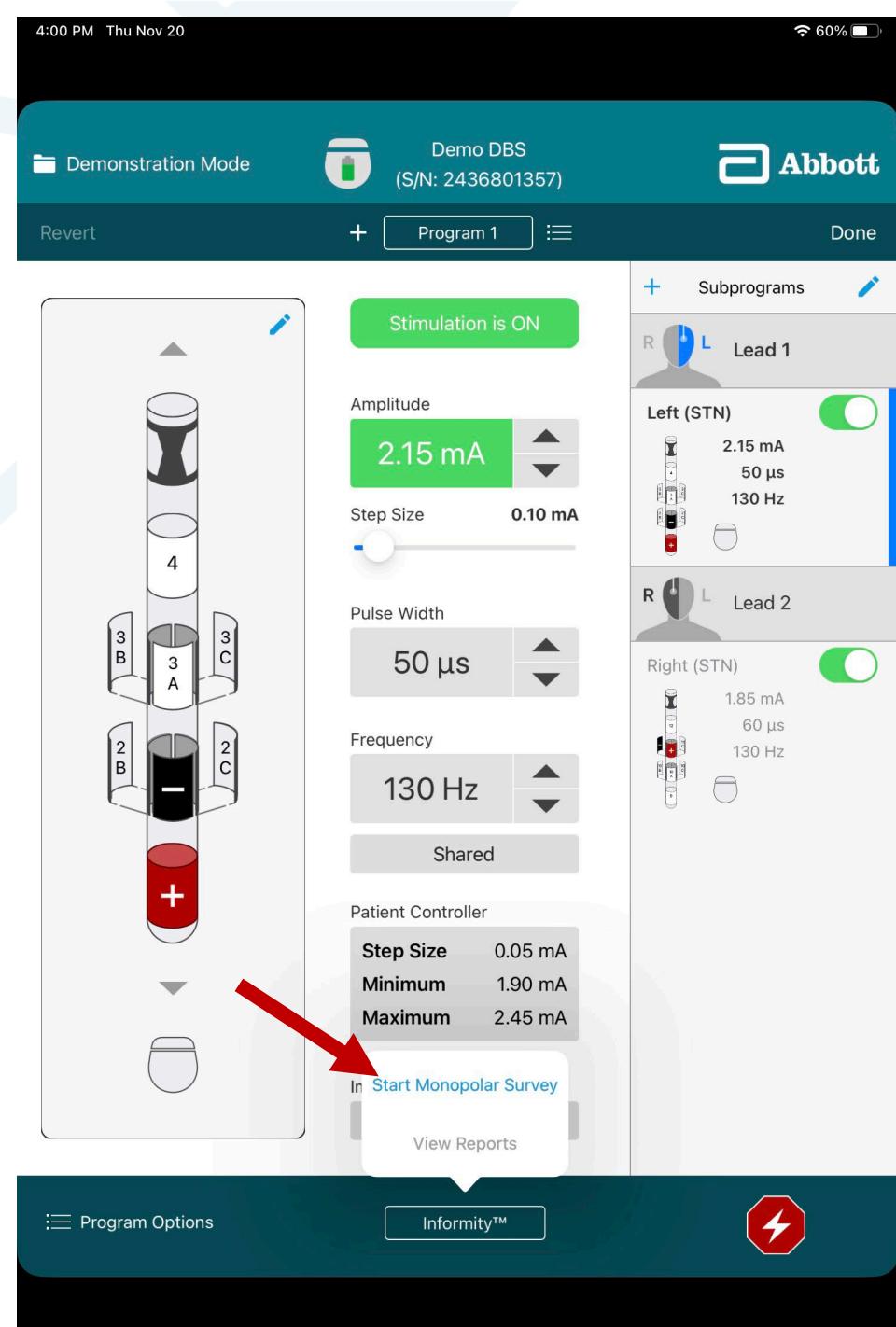
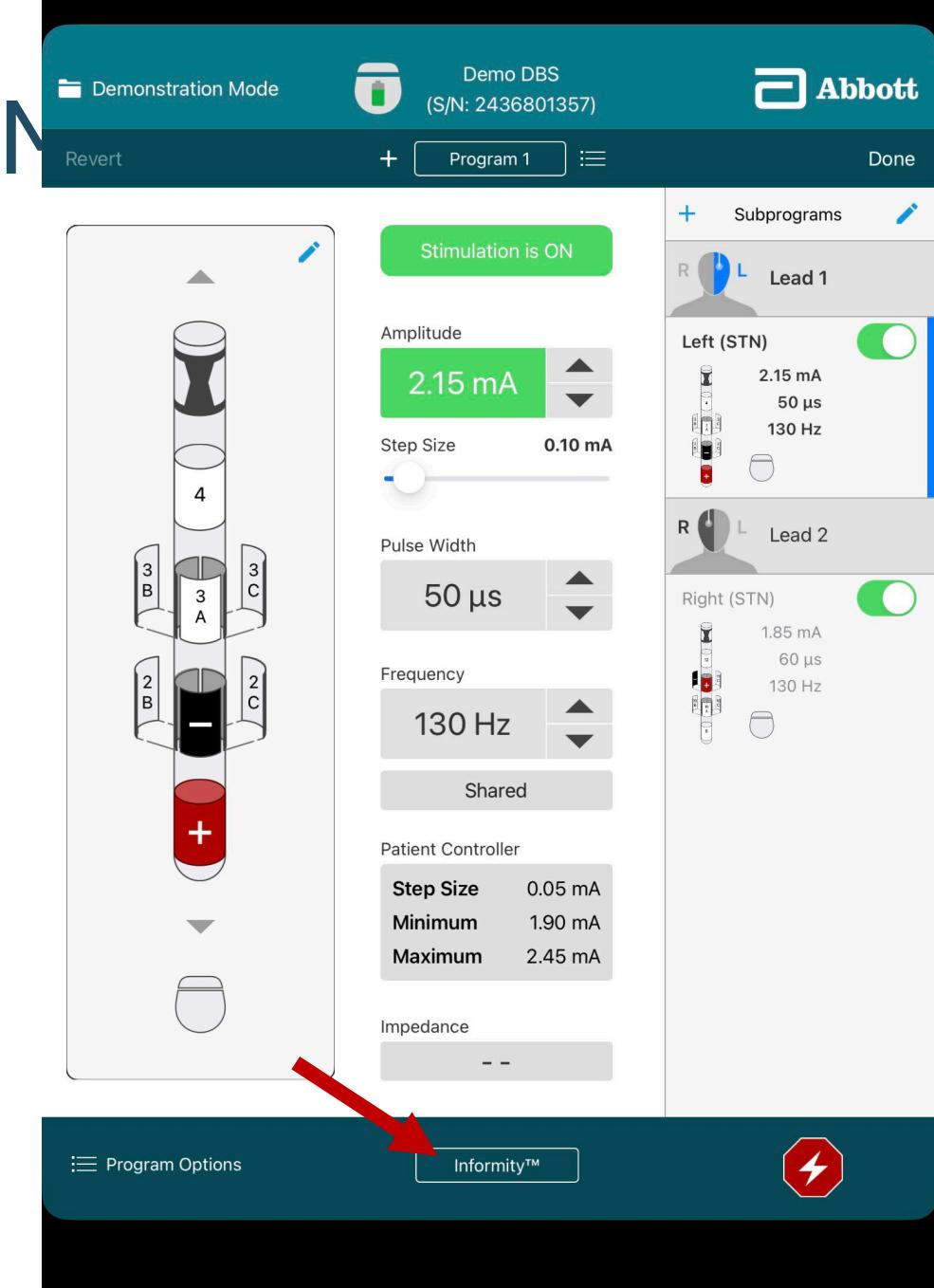
# Infinity™ and Liberta™ RC DBS systems

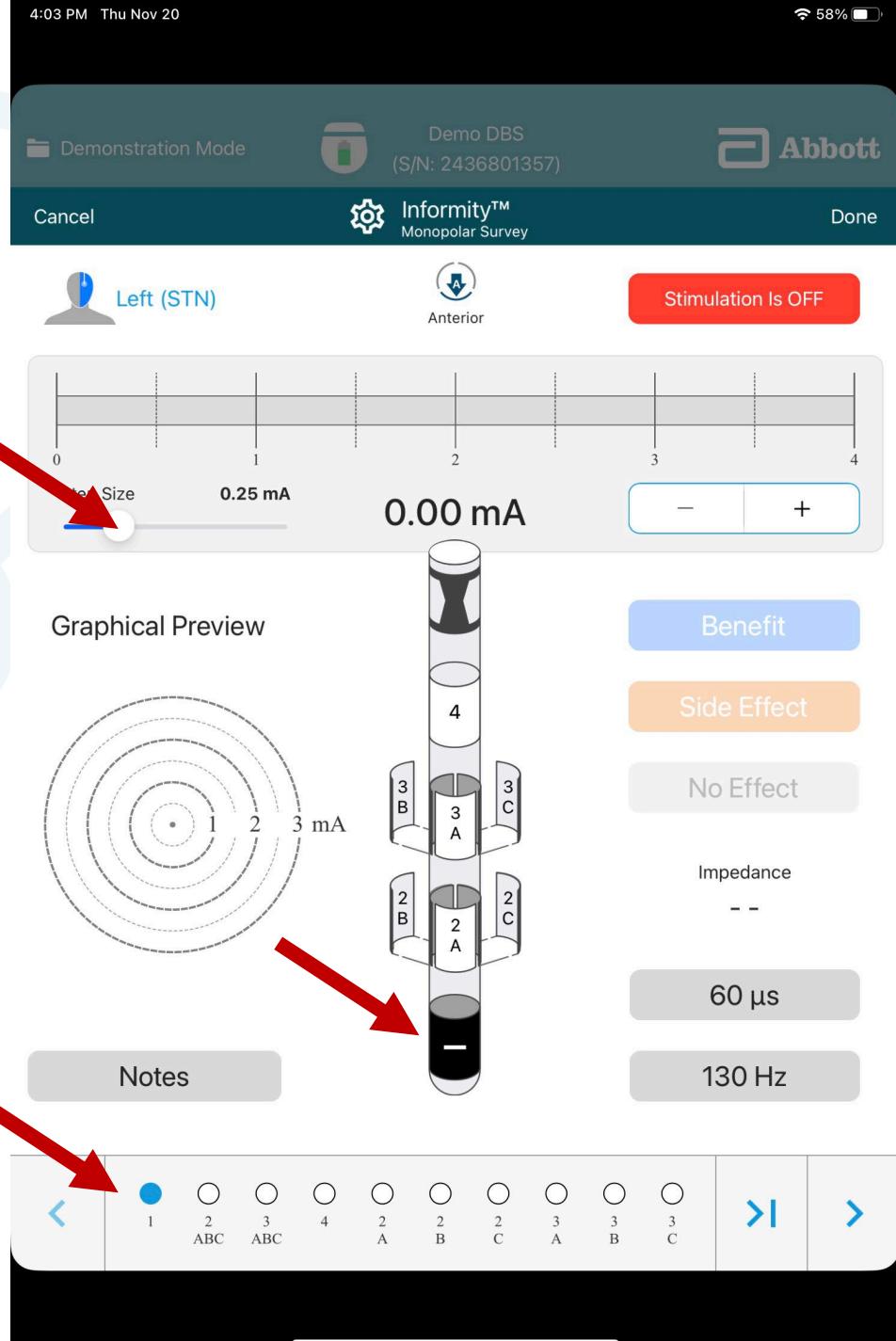
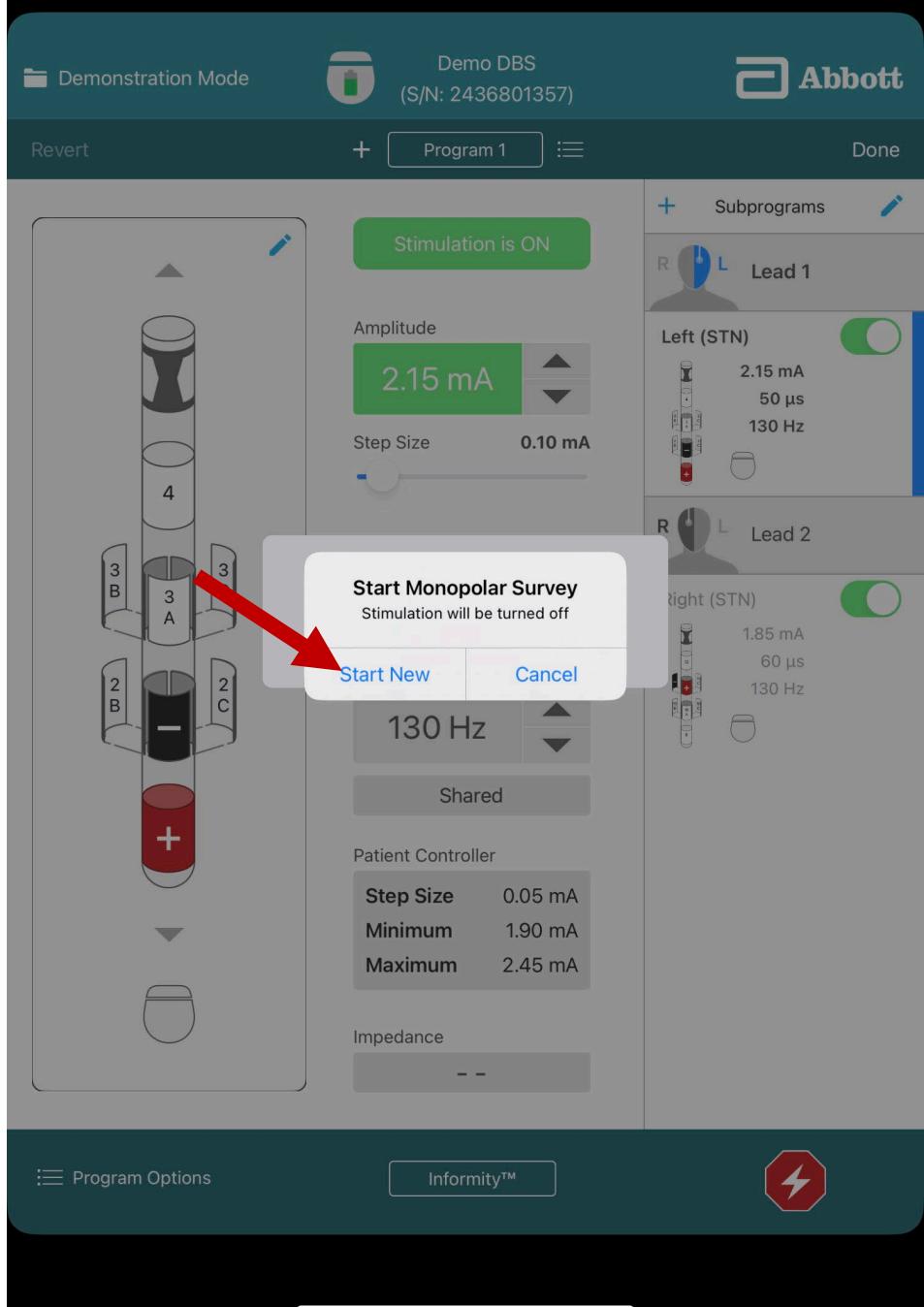


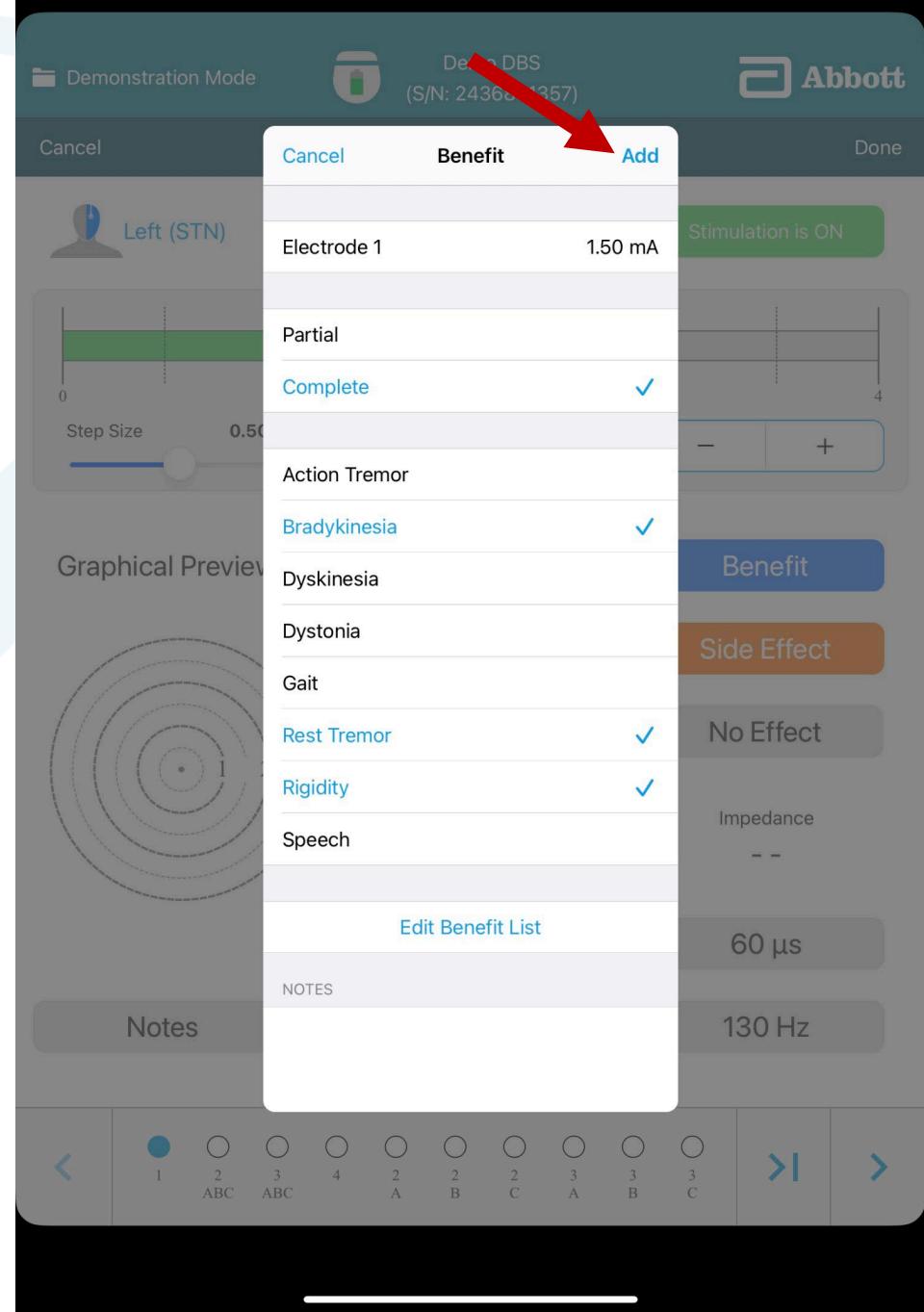
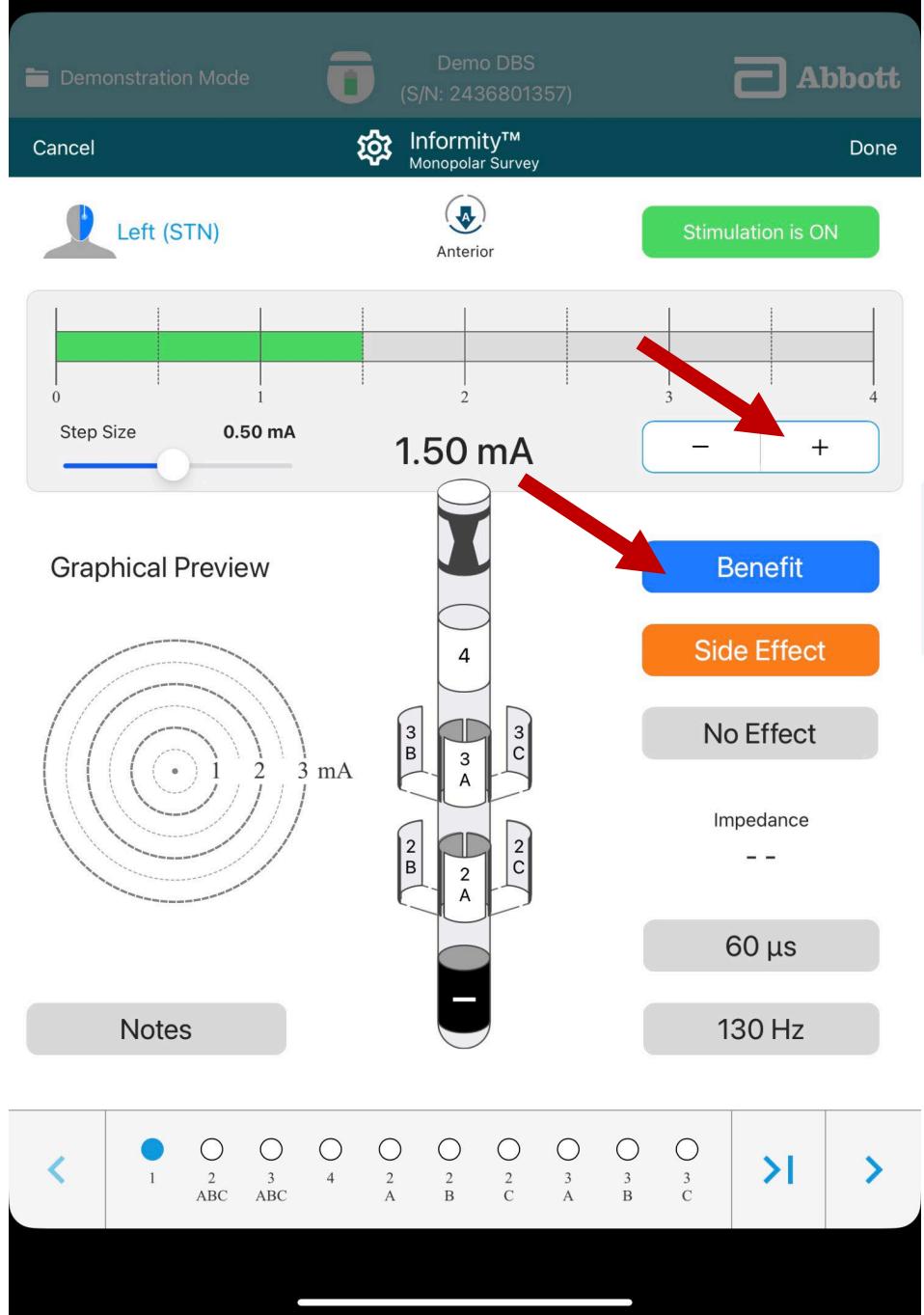
- A** **PATIENT AND SYSTEM HEADER**  
Tap on the patient's name to allow you to edit the name and add other pertinent patient information. For Liberta RC™ DBS Systems, you can access saved reports here.
- B** **CREATE NEW PROGRAM**
- C** **MANAGE PROGRAM**
- D** **STIMULATION ON/OFF**
- E** **AMPLITUDE ADJUSTMENT**
- F** **AMPLITUDE ADJUSTMENT STEP SIZE**
- G** **PULSE WIDTH**
- H** **FREQUENCY ADJUSTMENT**
- I** **FREQUENCY MODE**
- J** **PATIENT CONTROLLER ADJUSTMENT SETTINGS**
- K** **IMPEDANCE CHECK**
- L** **SYSTEM INFORMATION**  
Access logs and battery life information, and activate MRI or surgery mode.
- M** **LEAD CONFIGURATION**
- N** **ADD AND EDIT SUBPROGRAMS**  
(in shared frequency mode)
- O** **MULTISTIM™ PROGRAMMING FEATURE TOGGLE**  
(in shared frequency mode)
- P** **INFORMITY™ PROGRAMMING SOFTWARE**
- Q** **SAVING AND CLOSING SESSION**
- R** **EMERGENCY SHUTOFF**

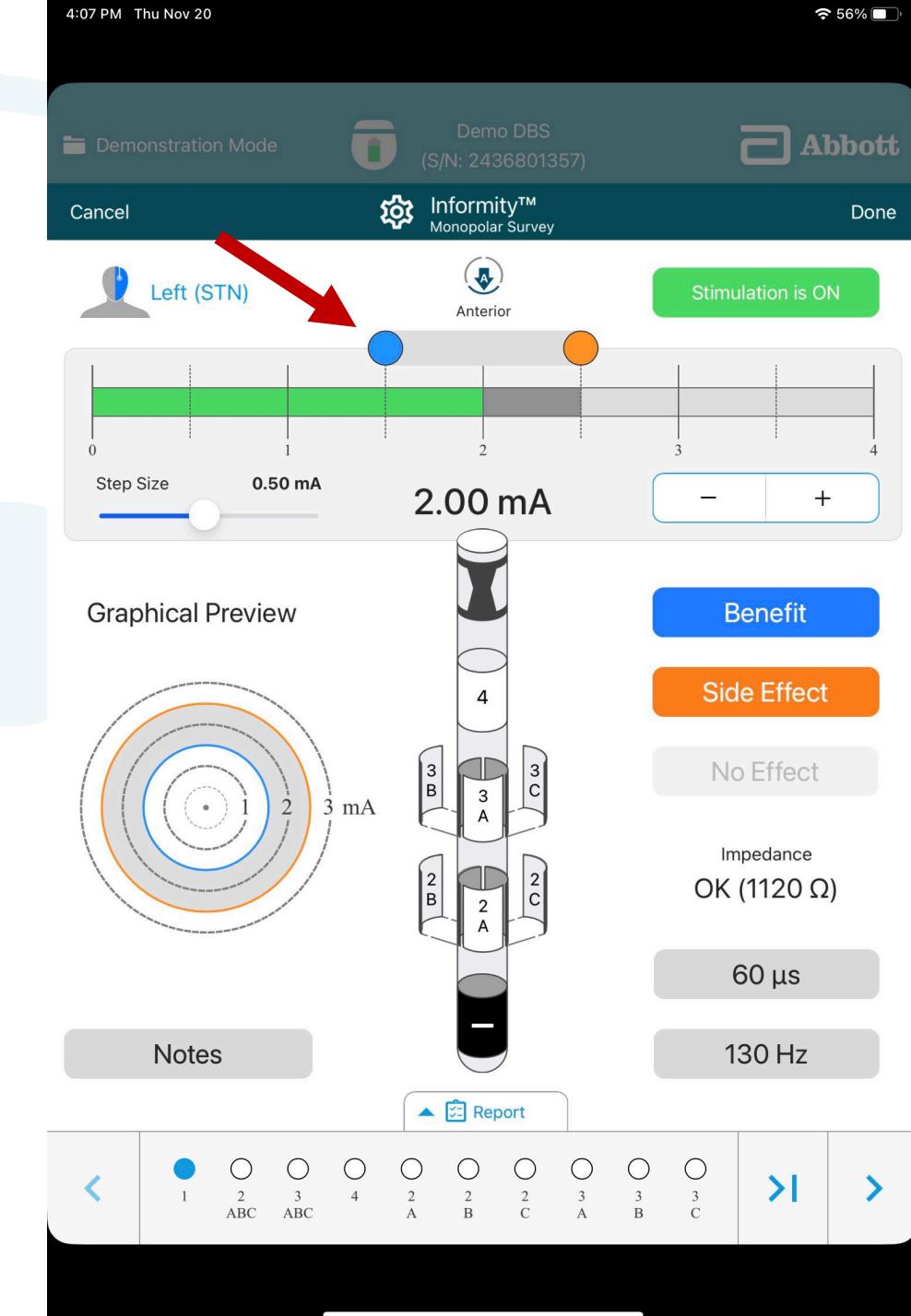
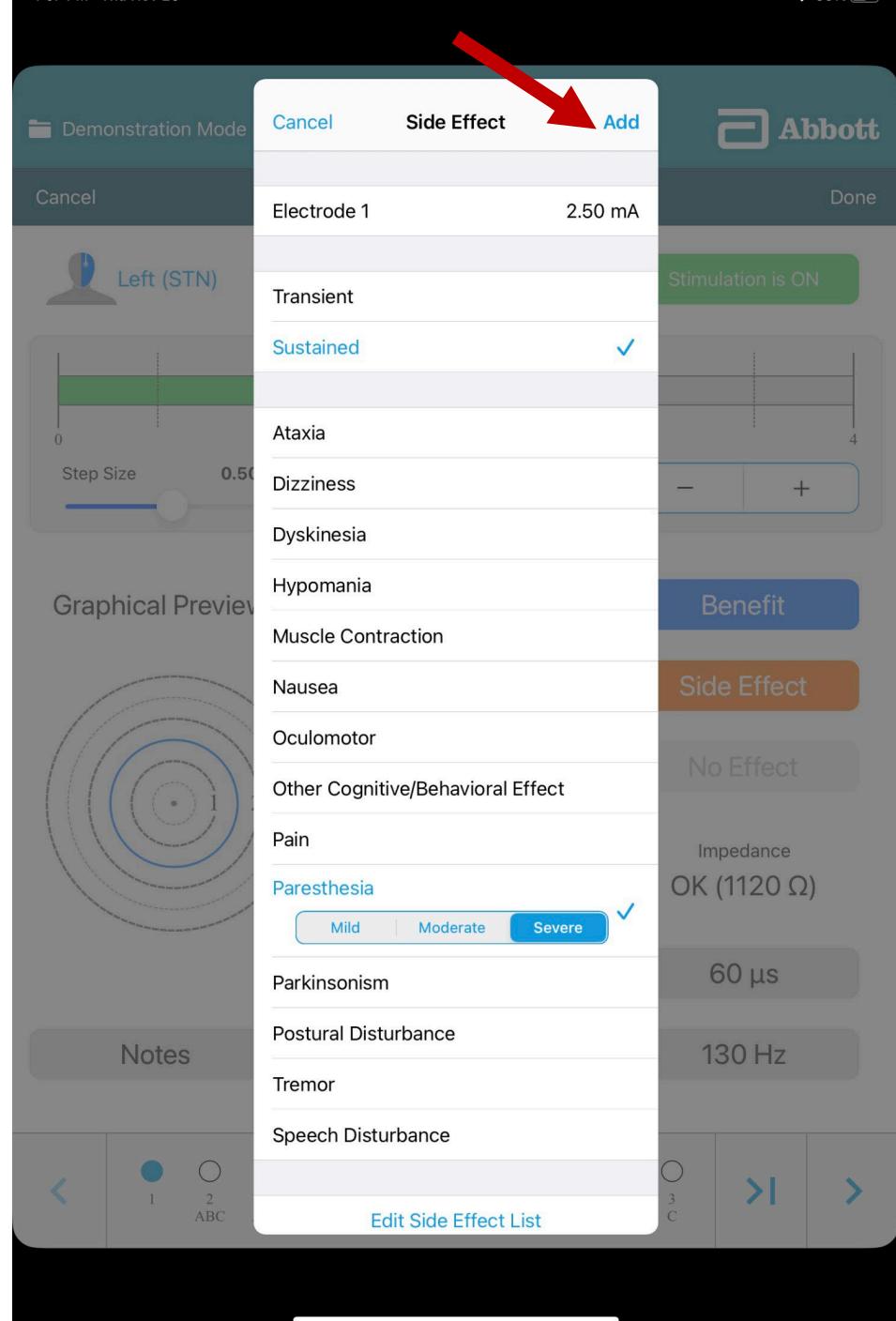


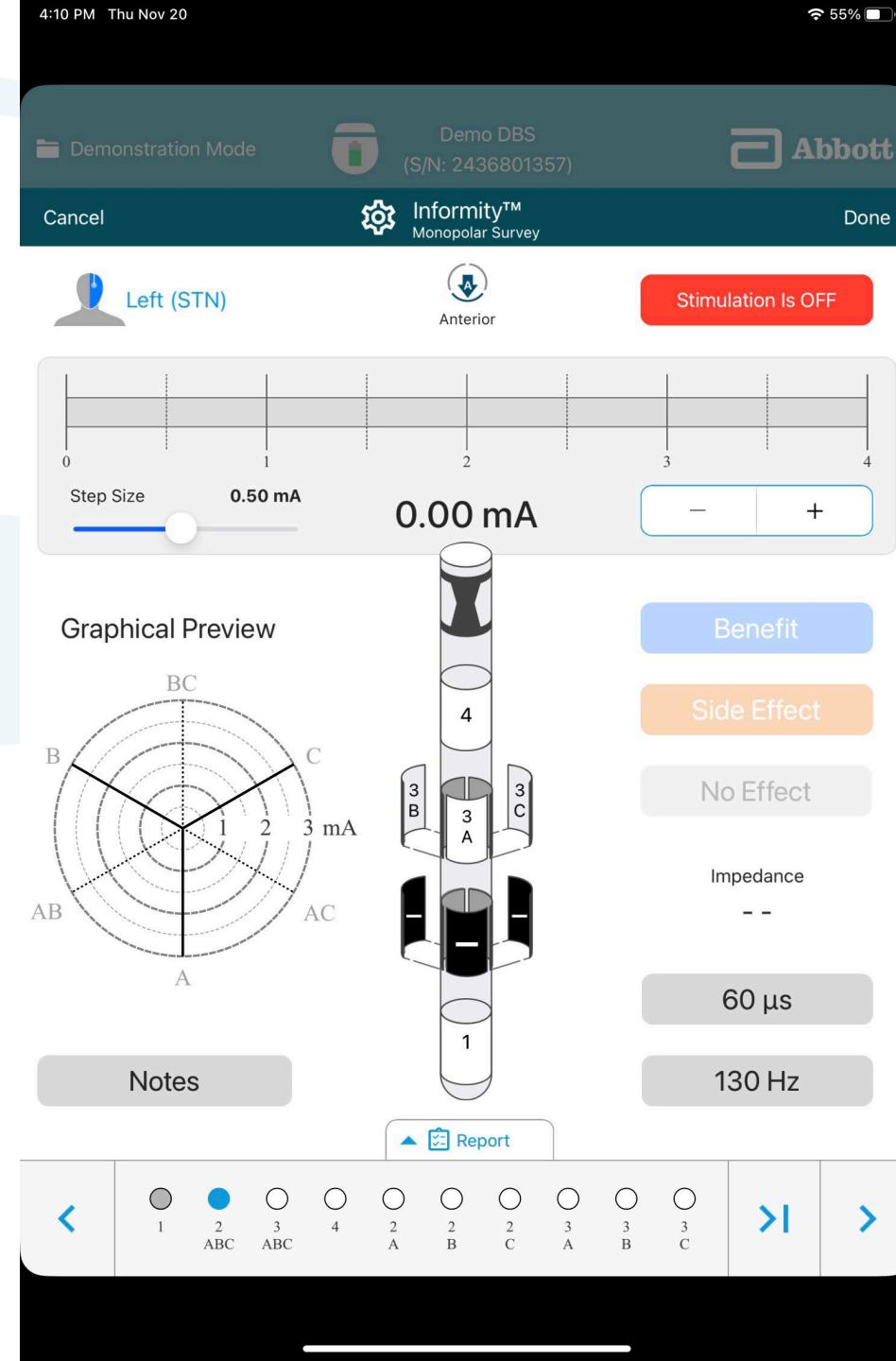
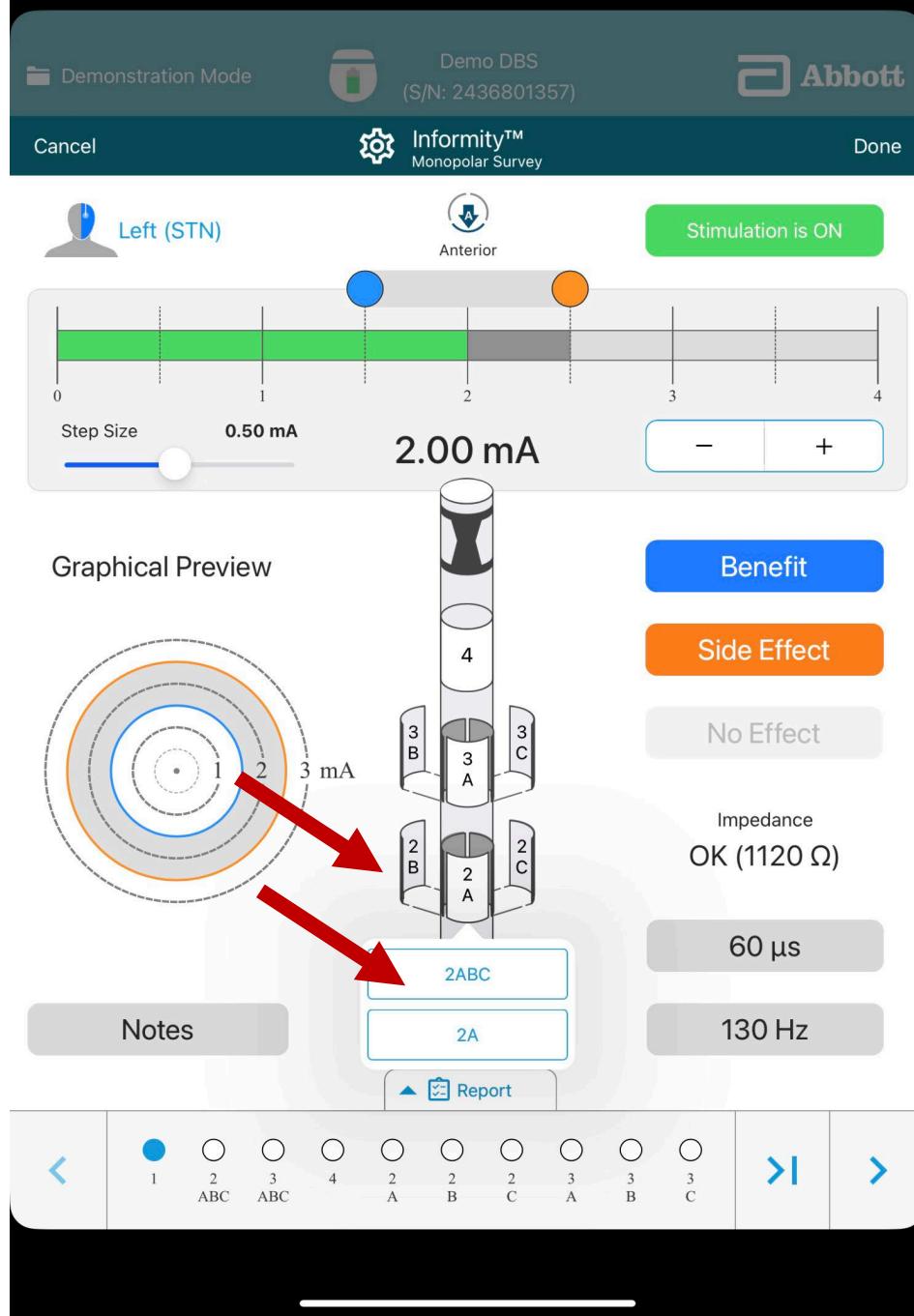
- A MONOPOLAR SURVEY SETTINGS**  
Adjust default settings and information presented during survey.
- B SELECT HEMISPHERE**
- C AMPLITUDE ADJUSTMENT STEP SIZE**
- D STIMULATION ON/OFF**
- E AMPLITUDE ADJUSTMENT**
- F CONTACT SELECTION BAR**
- G SELECT PREVIOUS CONTACT**
- H SELECT NEXT CONTACT**
- I CONTACT SELECTION BAR NAVIGATION**
- J RECORD THERAPY BENEFIT**  
Select partial or complete and managed symptom.
- K RECORD SIDE EFFECT**  
Select transient or sustained and observed side effect.
- L RECORD NO EFFECT OBSERVED**
- M PULSE WIDTH**
- N FREQUENCY ADJUSTMENT**
- O RECORD NOTES**
- P SELECT CONTACT**
- Q PREVIEW GRAPHICAL REPORT**
- R ACCESS REPORTS**
- S STIMULATION AND THERAPEUTIC WINDOW DISPLAY**
- T COMPLETE MONOPOLAR SURVEY**
- U CANCEL MONOPOLAR SURVEY**

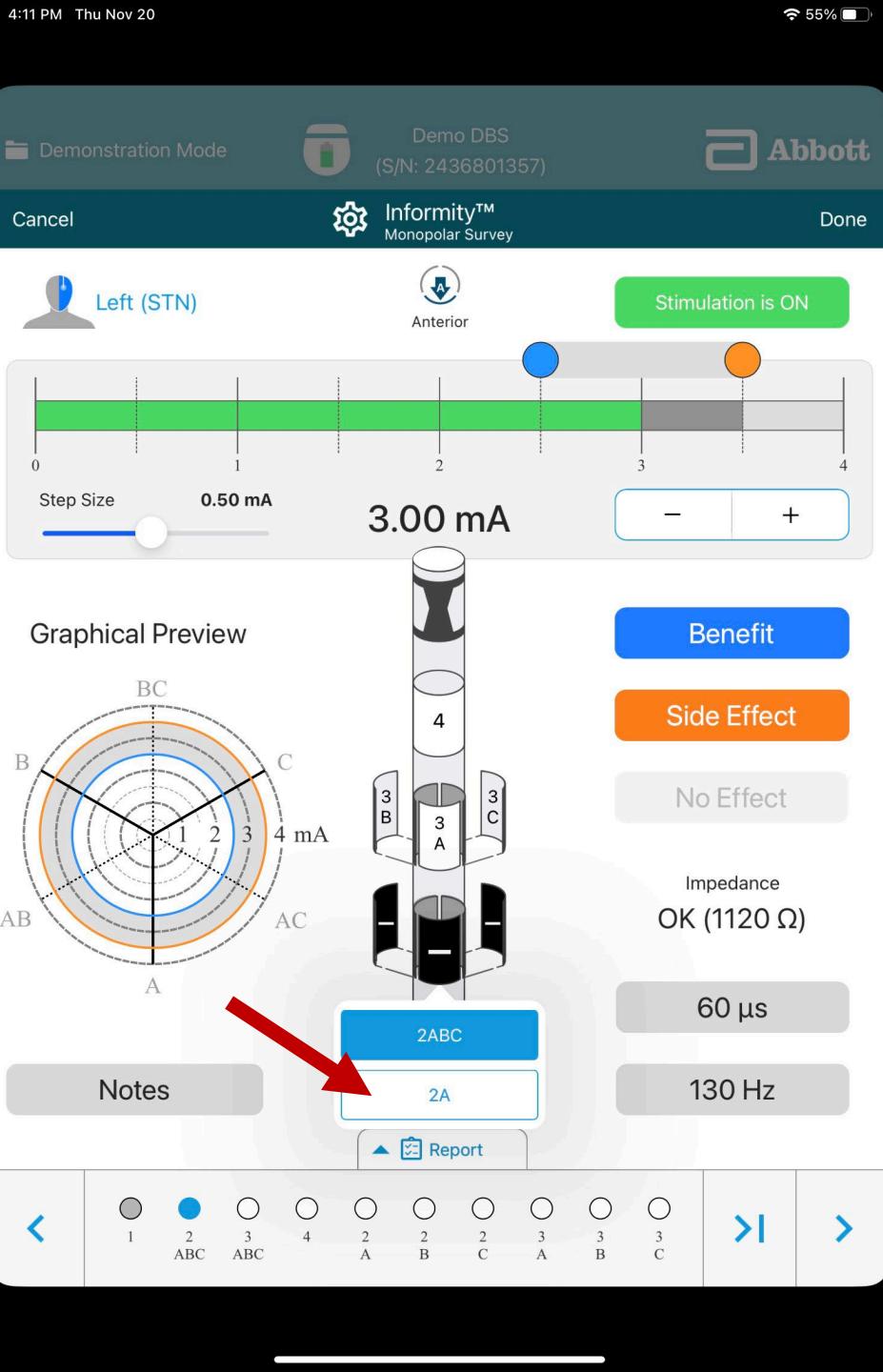
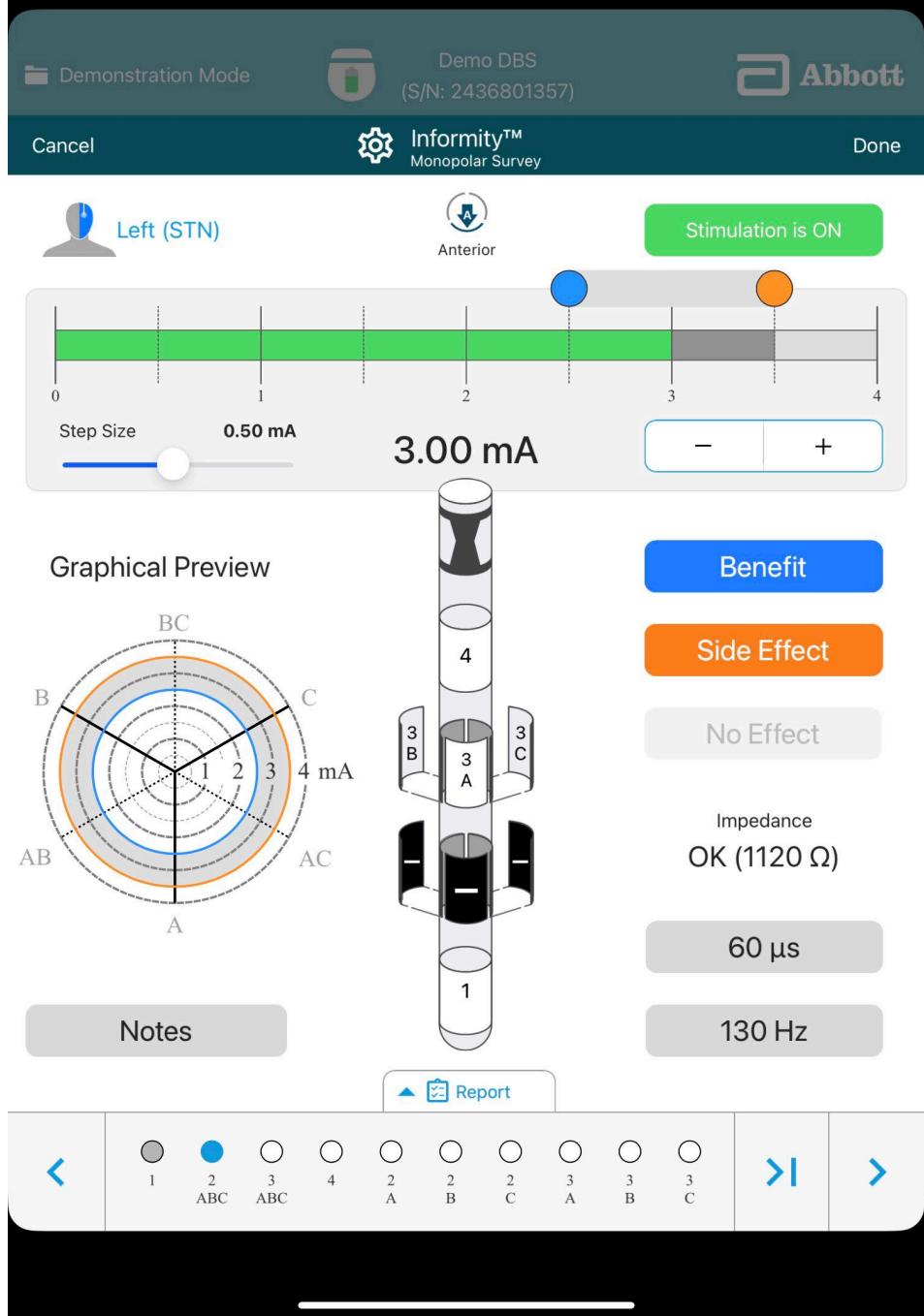


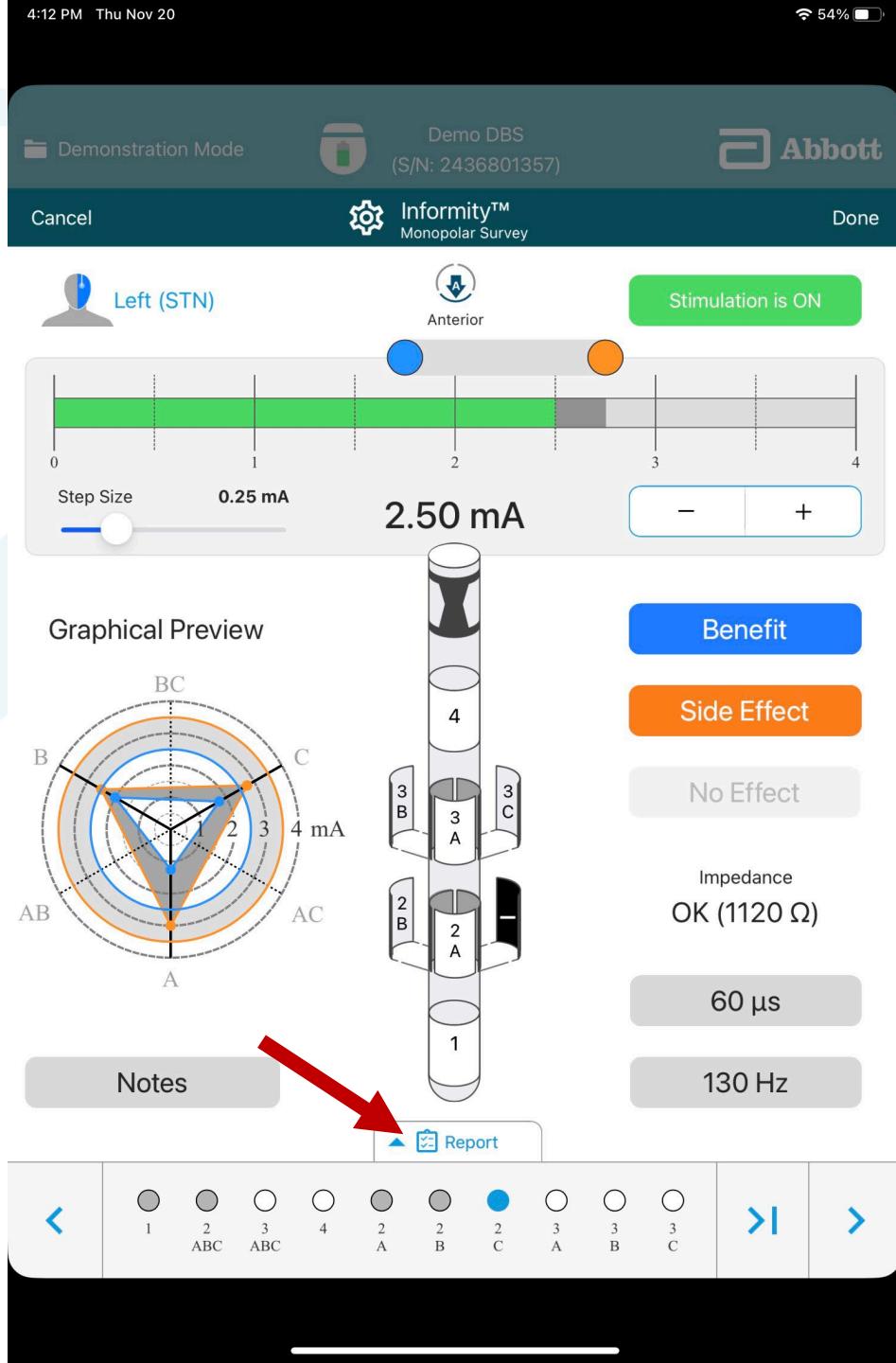
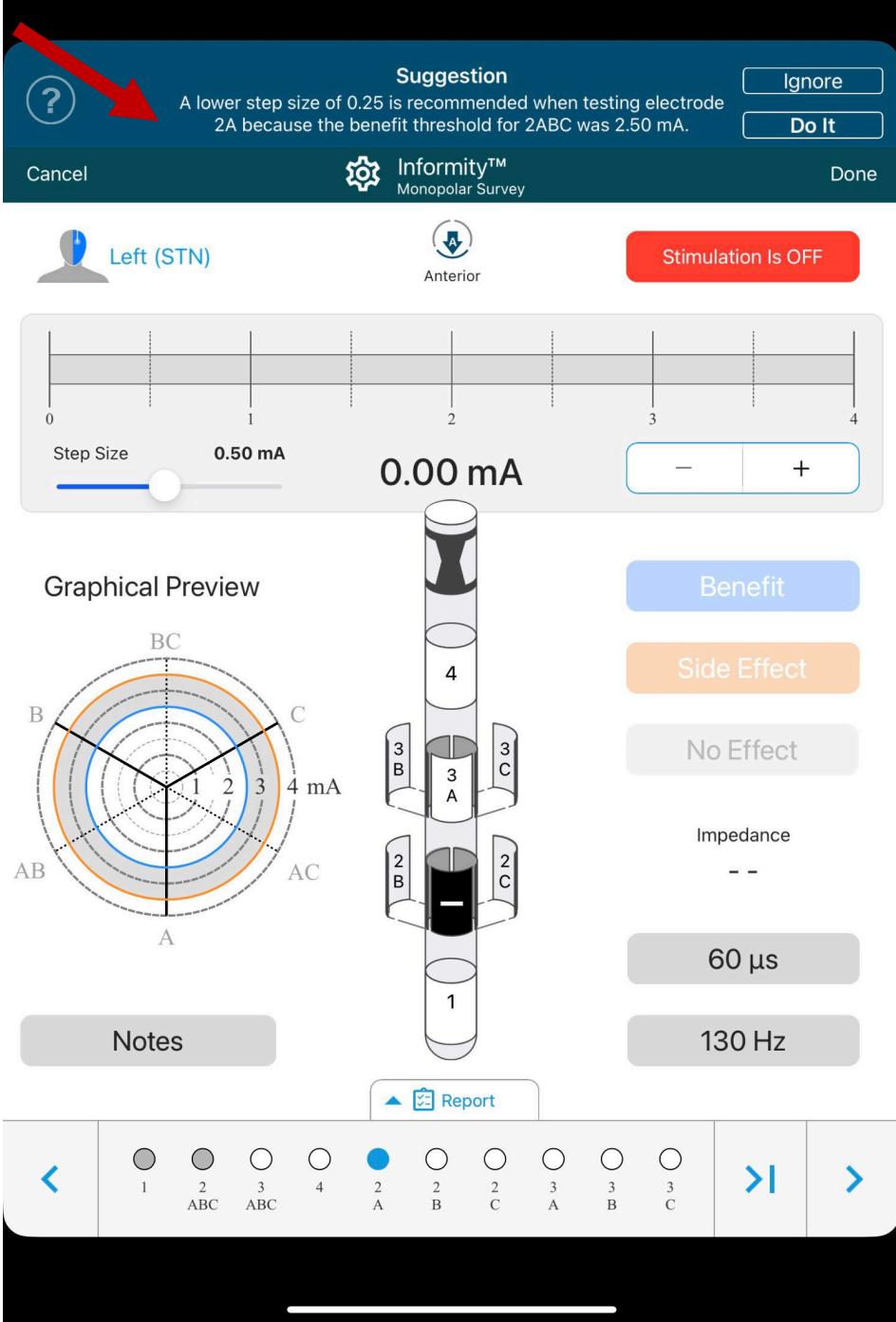


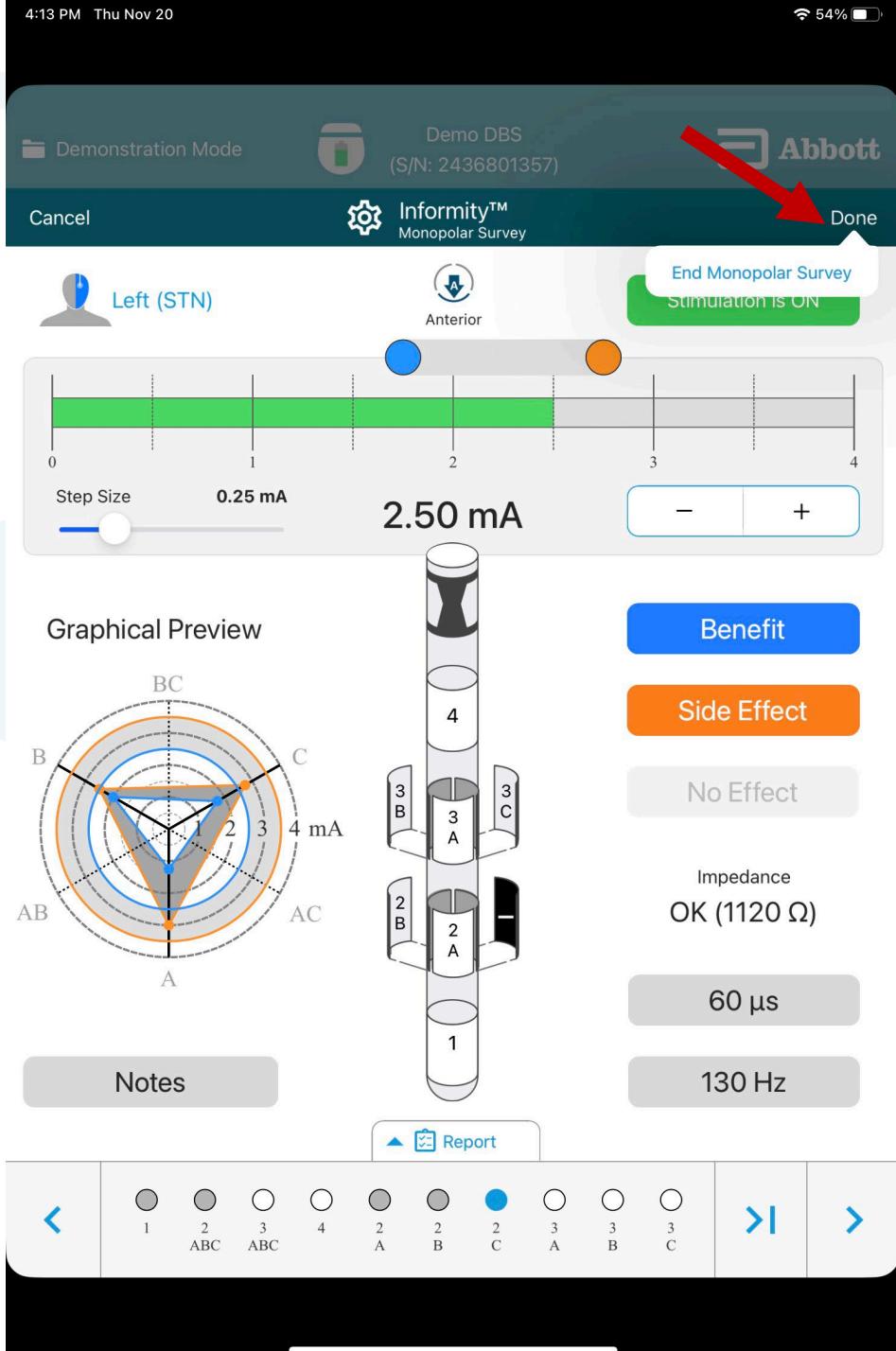
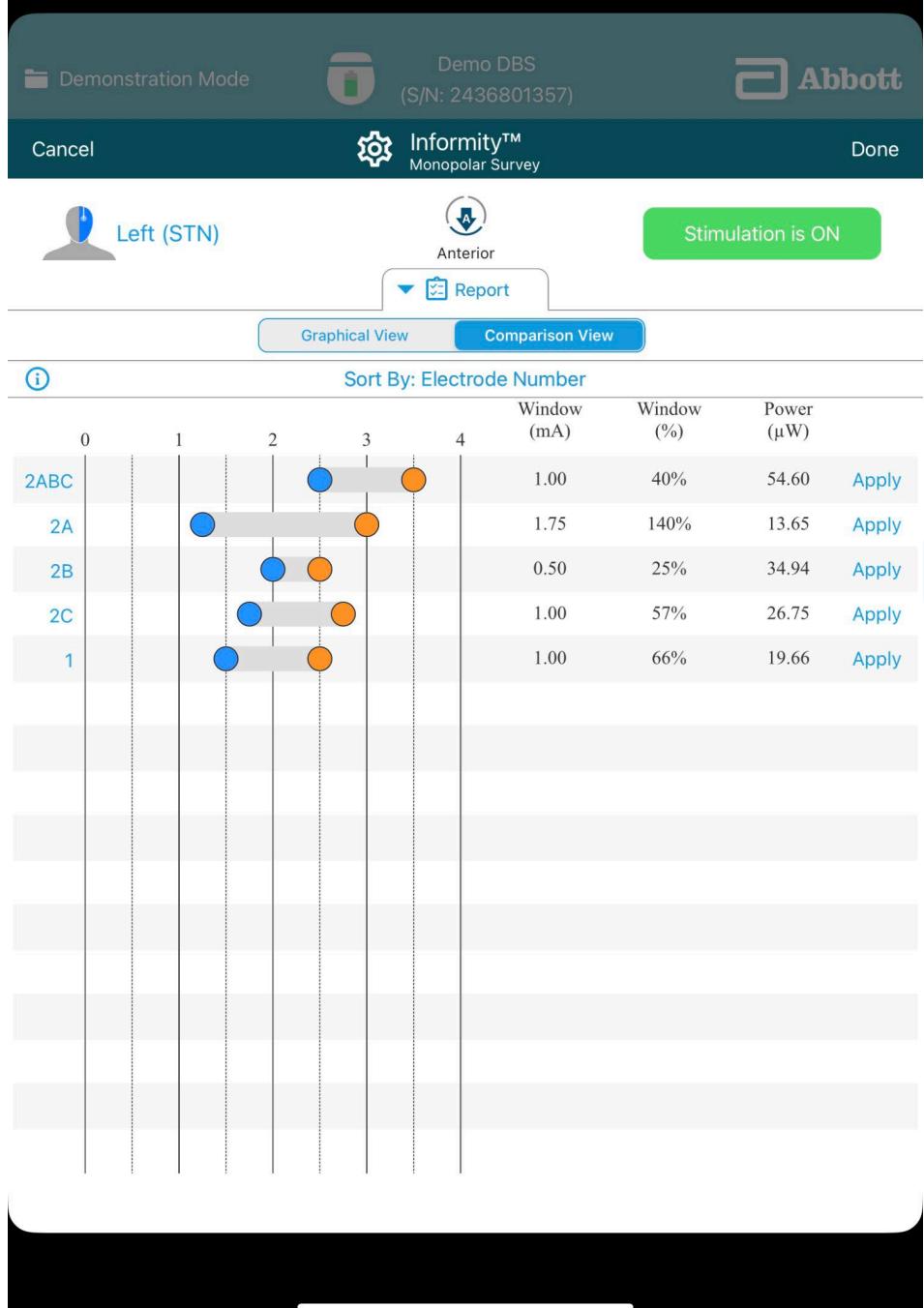












◀ Back

# Jack Shephard

- Overview
- Patient Devices
- Patient Information
- Notes
- Reports
- Session Reports
- Program Impedance
- System Impedance
- Informity™ Records
- Therapy Events
- Charging History

## Informity™ Records

PERSONALLY IDENTIFIABLE INFORMATION

PII Include >

**Demo DBS (62400)**

Serial Number  
2436801357

Patient BirthDate: 01/01/0001

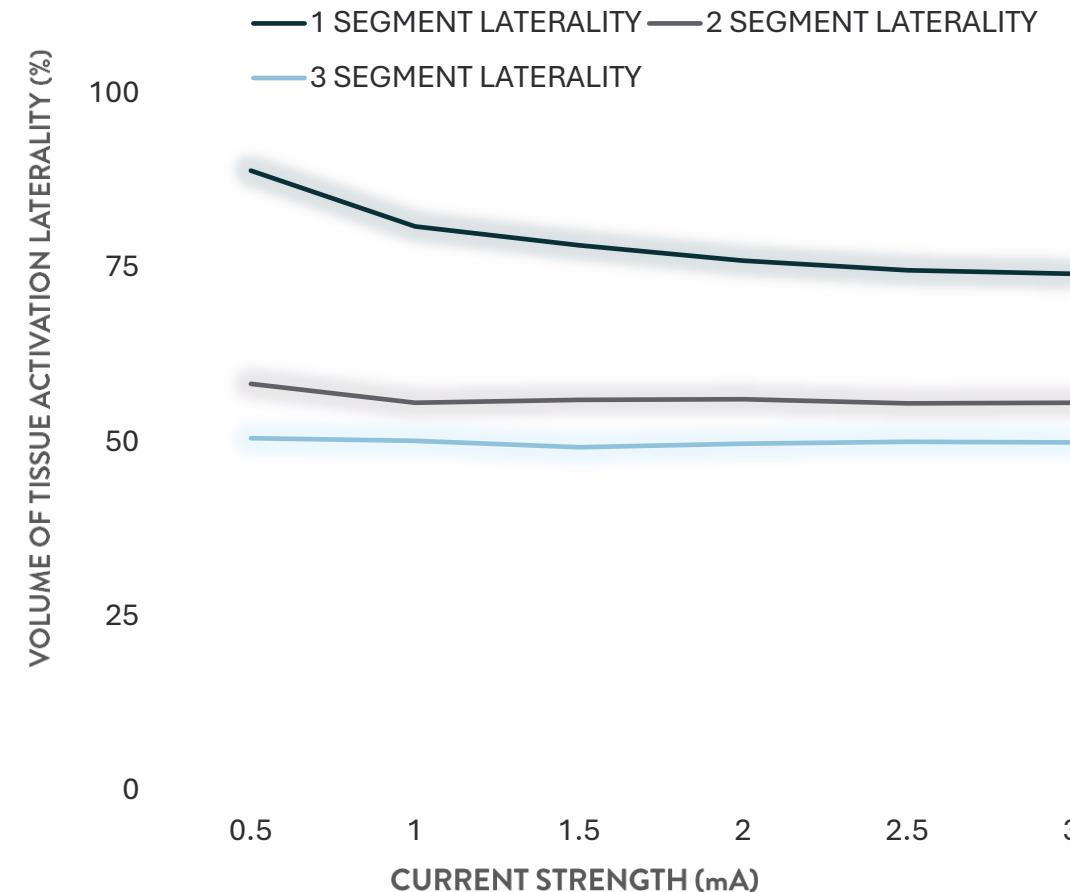
Port 1 (1-8): Infinity 1-3-3-1 (1.29 x 1.5 mm) (6171)  
Port 2 (9-16): Infinity 1-3-3-1 (1.29 x 1.5 mm) (6171)  
Implant Date: 11/15/2025

11/20/2025 4:03 PM >

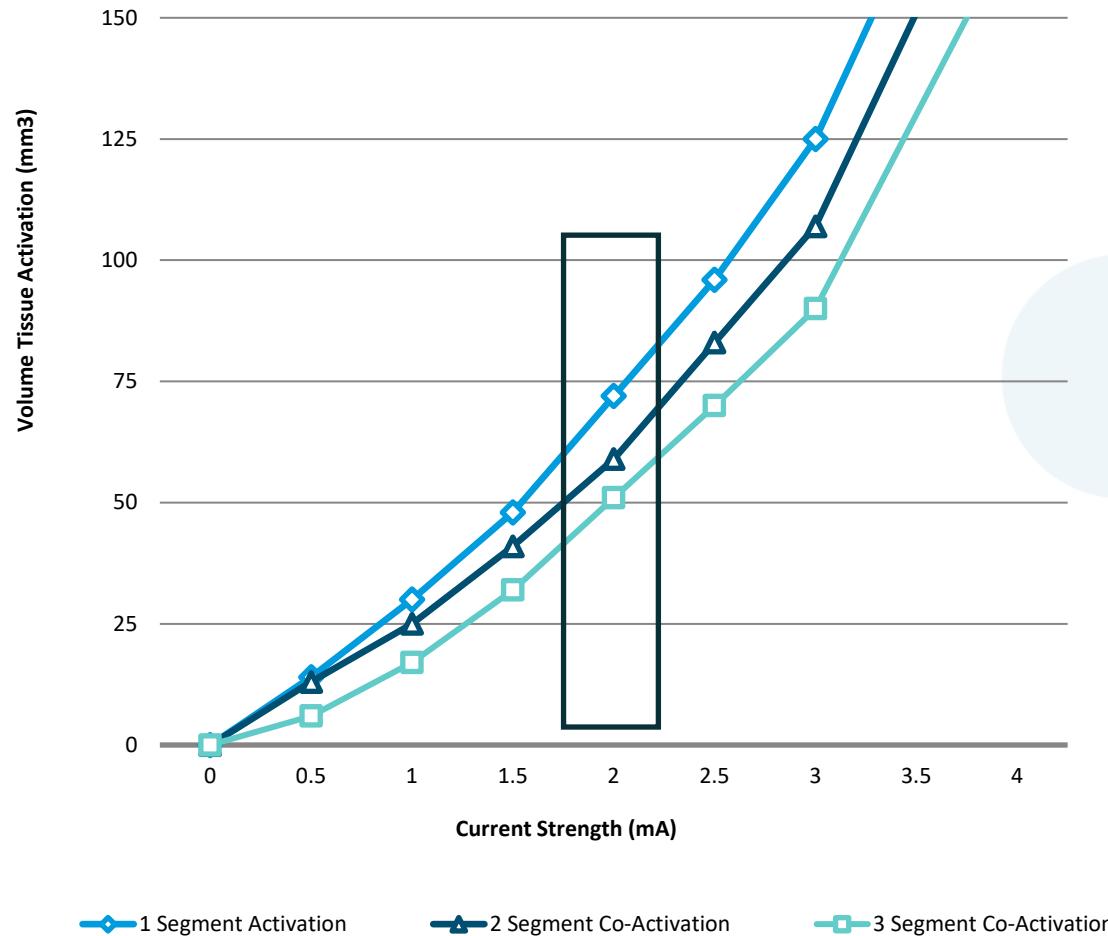
# FACTOR TO CONSIDER DURING DIRECTIONAL PROGRAMMING

## -Laterality with SSA

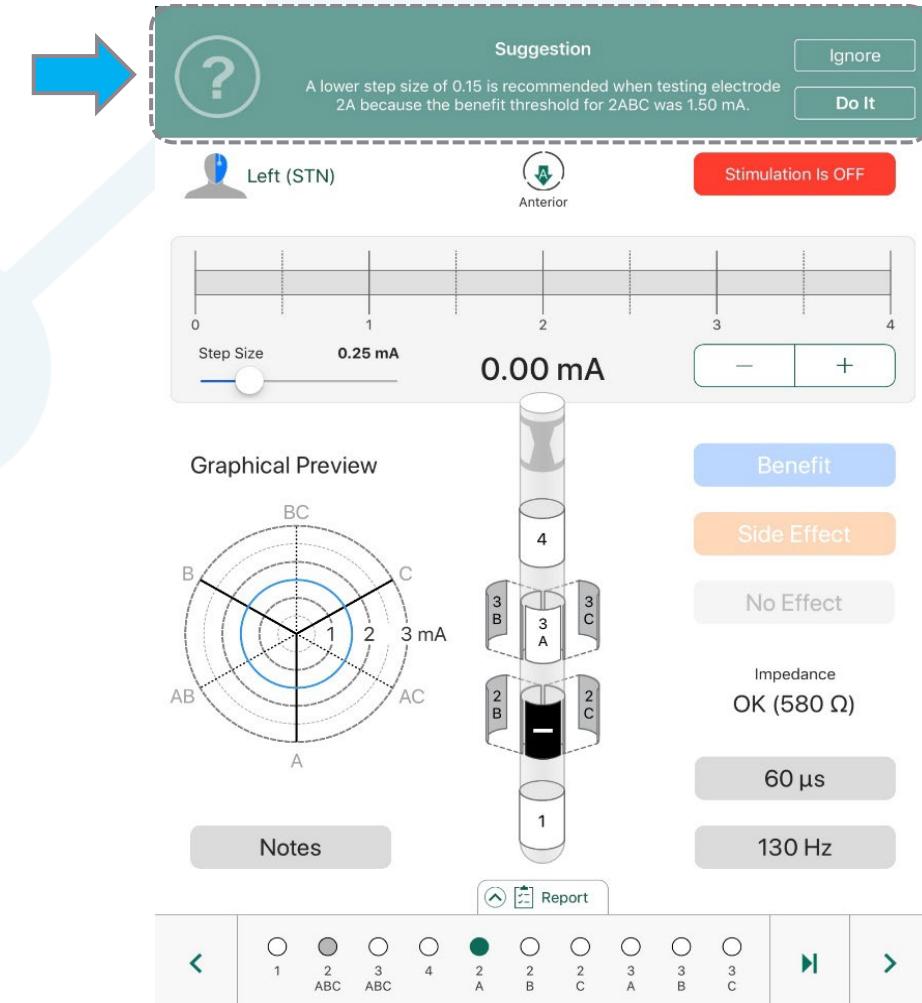
### IMPACT OF SINGLE SEGMENT, TWO SEGMENT AND THREE SEGMENT ACTIVATION ON VTA LATERALITY



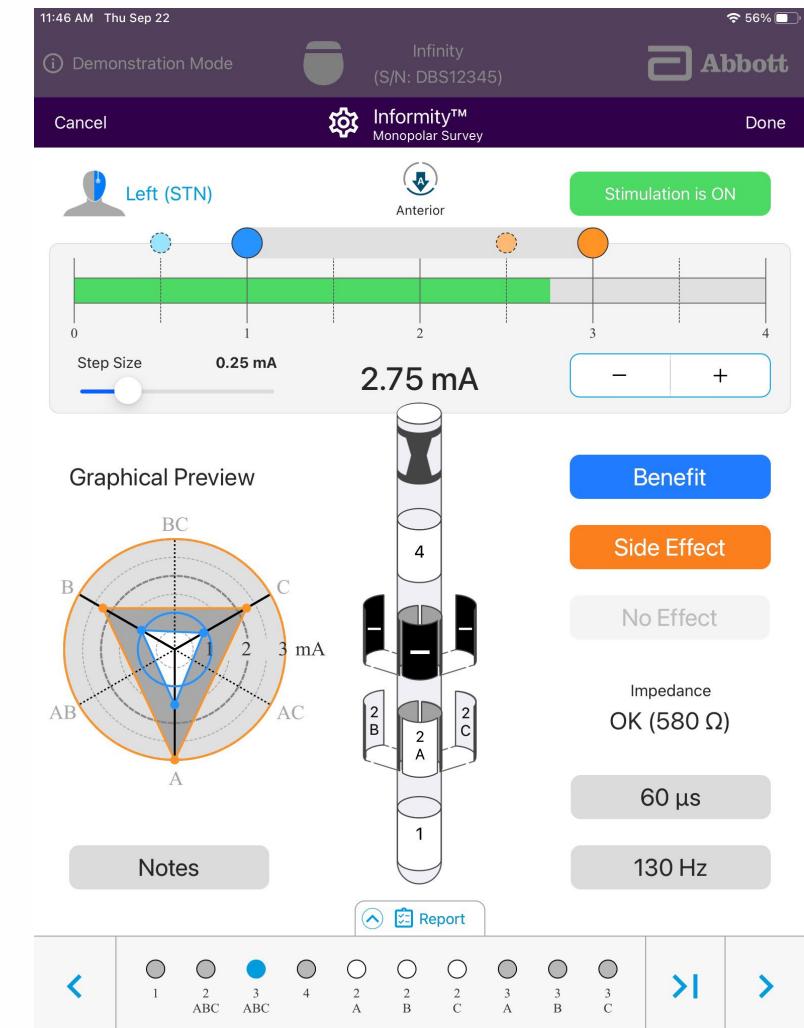
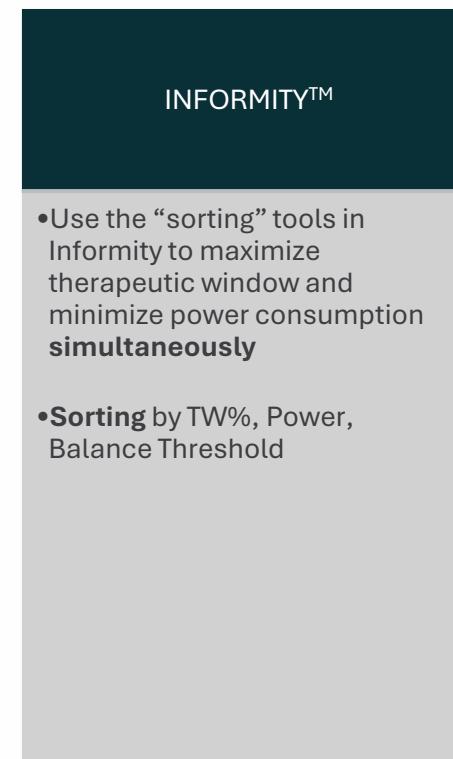
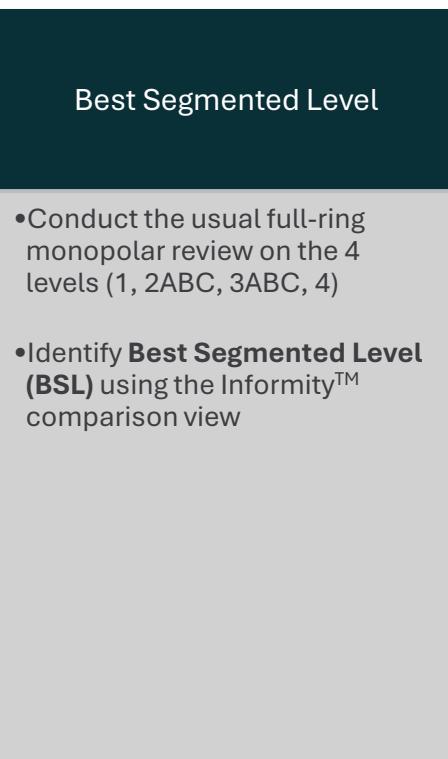
# FACTORS TO CONSIDER DURING DIRECTIONAL PROGRAMMING



Rebelo et al., Thalamic Directional Deep Brain Stimulation for Tremor: Spend Less, Get More, Brain Stimulation, 2017



# A SIMPLE SYSTEMATIC APPROACH TO DIRECTIONAL PROGRAMMING USING INFORMITY™



# Thank you!