ABSTRACT

To demonstrate the feasibility of a nerve integrity monitor as a tool for promontory stimulation testing in patients with profound sensorineural hearing loss considering cochlear implantation.

RESULTS

- 67 patients seen for CI evaluation during study period.
- 4 patients \( \rightarrow \) PST to aid in assessment of CI candidacy (Table 1).
- 3 of the 4 patients \( \rightarrow \) positive testing.
- 2 of the 3 \( \rightarrow \) CI.
- Patient #1 - Reported auditory stimulation at 2 month follow up visit.
- Patient #2 – CI complicated by cochlear ossification, requiring drill out.
- Sound awareness at 2 month follow up.
- Adjusting programming to improve outcomes.
- Both communicated by listening and lip-reading after CI.

DISCUSSION

- Need to assess auditory nerve function during cochlear implant candidacy is rare.
- 6% in our series
- PST equipment has become outdated and difficult to maintain
- Majority of patients with positive result

REFERENCES