

A female child, 4 yrs old who had profound HL was implanted with cochlear nucleus 522 slim straight CI on 25th March,2020.

IO data showed good impedance and adequate NRT response. Programming 3 weeks later showed good impedance across all electrodes (graph 1, pink trace). Auto NRT showed adequate results with tNRT of 179, 194, 185, 167 185 at electrodes 1, 6, 11, 16 & 22, respectively.

9 sessions of adequate mapping revealed no behavioral responses despite increasing pulse width up to 100 microseconds (normally responses are obtained at 37 or 50 micro sec).

CT scan was requested and showed complete insertion in scala tympani but with the attached finding

Her last impedance showed high impedance levels (fig 1 blue trace) with recordable NRT ONLY at basal electrodes (fig 2 blue trace).

How do you explain the disappearance of behavior response?

What is your next step?



