



AUDITORY BRAINSTEM IMPLANTATION

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"Speech is civilization itself. The word, even the most contradictory word, preserves contact---it is silence which isolates."

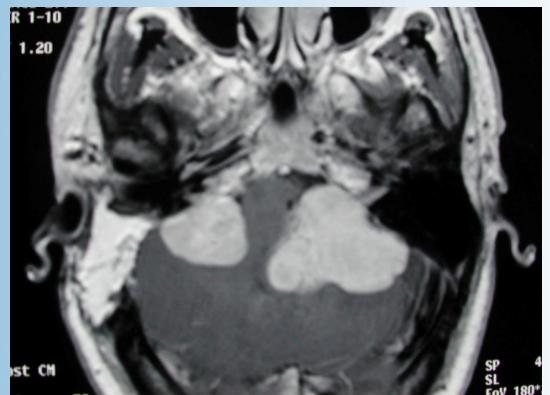
Thomas Mann







WHAT DISEASE DOES THIS PATIENT HAVE?



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Auditory Brainstem Implants (ABI)

- First implanted 1979
- >600 implanted worldwide
- FDA approved- 2000
- Approved for use in adults in the U.S.
 Use in children in Europe
- Primary indication: NF-2 (bilateral AN's)







INDICATIONS

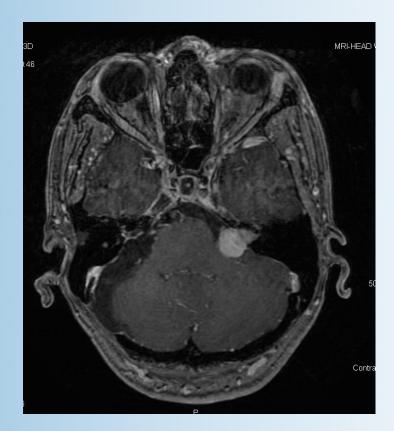
- NF2 (neurofibromatosis type 2)
- COCHLEA/NERVE APLASIA
- LABYRINTHINITIS OSSIFICANS
- TEMPORAL BONE FRACTURES
- POOR COCHLEAR IMPLANT RESULTS?







CASE 1- NF2 PATIENT

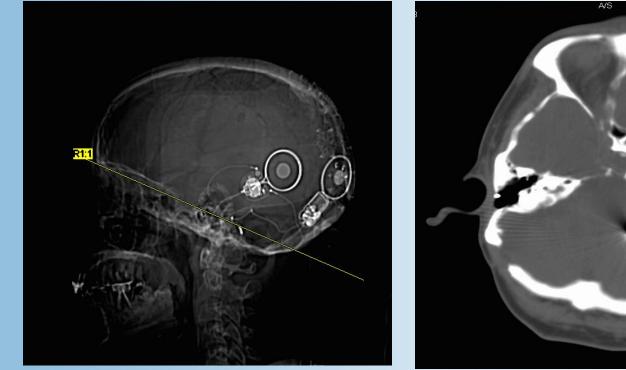


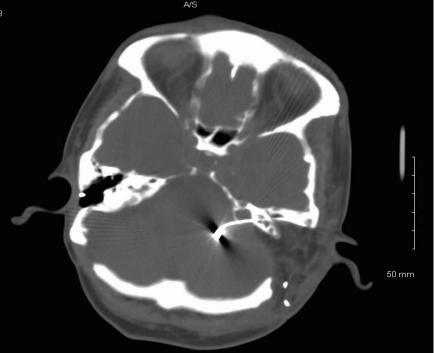






WHERE IS THE ABI PLACED?







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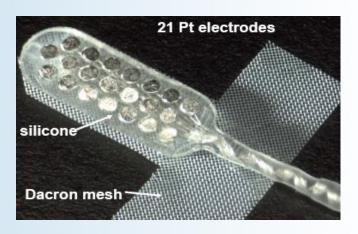


Auditory Brainstem Implants (ABI)

Cochlear is pleased to announce the launch of its new Auditory Brainstem Implant, the Cochlear[™] Nucleus[®] Profile ABI541.¹



Nucleus Profile ABI541

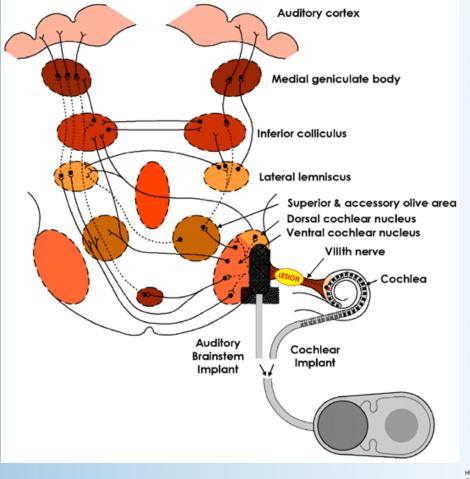


Auditory Brainstem Implant (ABI)









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WHAT IS THE PROBLEM HERE AND THE POTENTIAL RISK?

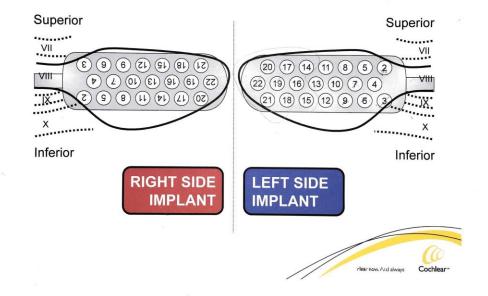


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Nerve Proximity by Side









ABI RESULTS

- Facilitates sound awareness
- Non-auditory side effects
- Assists with lip reading
- Few have open-set word recognition
- Takes longer to program than CI
- Electrode displacement can occur







WHAT PATIENTS DO BEST WITH THE ABI AND MAY HAVE OPEN-SET RECOGNITION (I.E. TALK ON THE TELEPHONE?)







WHAT ARE THE APPROACHES TO PLACE AN ABI?







ABI APPROACHES TRANSLABYRINTHINE

RETROSIGMOID

EXTENDED MCF







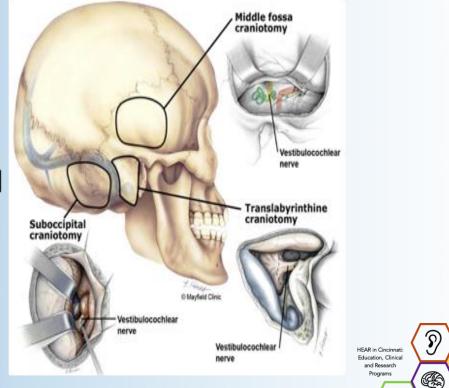
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SURGICAL APPROACHES

- MIDDLE CRANIAL FOSSA for tumors where preserving facial function and hearing is optimal
- RETROSIGMOID: for small and large tumors while preserving facial function and a degree of hearing if possible
- TRANSLABYRINTHINE:for patients who already have hearing loss or tumor size and position indicate removing the labyrinth









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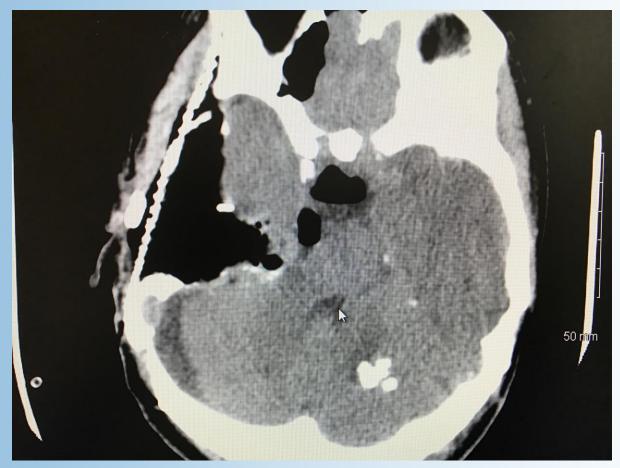






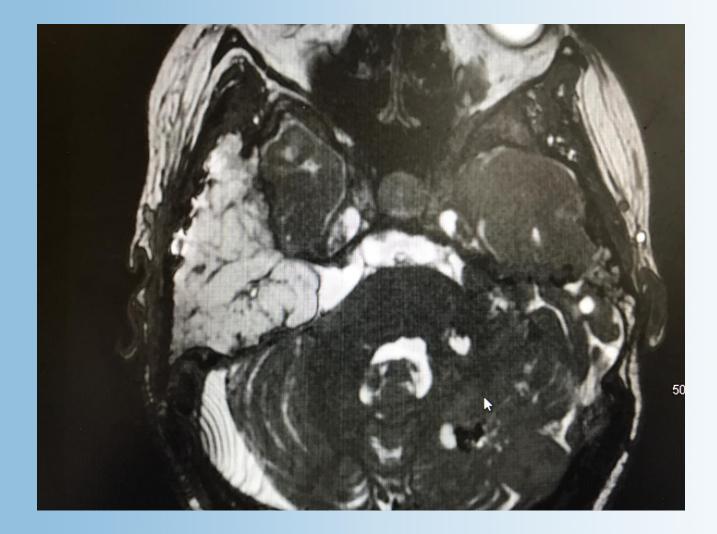






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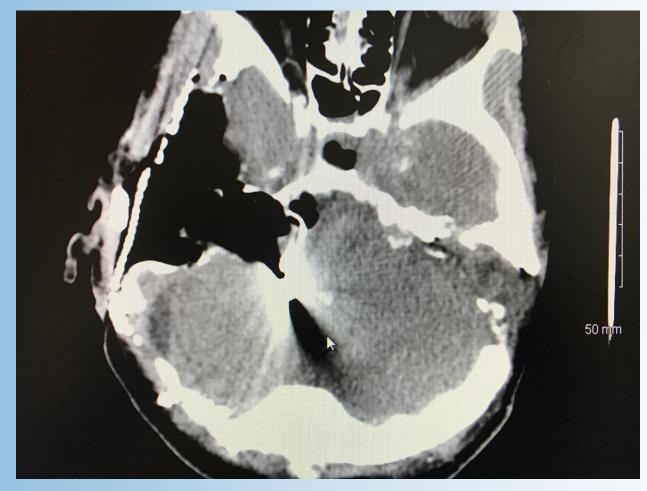
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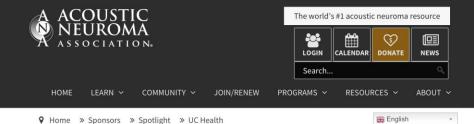




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C Health

Cincinnati, OH

Hearing Again is History in the Making



2017 was a year that Jess Toews will never forget.







"WE TRY NEVER TO FORGET THAT MEDICINE IS FOR THE PEOPLE. IT IS NOT FOR THE PROFITS. THE PROFITS FOLLOW, AND IF WE HAVE REMEMBERED THAT, THEY HAVE NEVER FAILED TO APPEAR." GEORGE W. MERCK









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	Educational Information about Cochlear Im	plants.
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