Supplementary Online Content


eTable. Breakdown of disease type and controls by sample

eResults. List of items from CEDRA included in the scoring algorithm

This supplementary material has been provided by the authors to give readers additional information about their work.
**cTable. Breakdown of disease type and controls by sample**

<table>
<thead>
<tr>
<th></th>
<th>Conductive/Middle Ear or Mastoid</th>
<th>Sensorineural or Labyrinthine</th>
<th>Eighth Nerve</th>
<th>Posterior Fossa/CANS</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Raw Number (percentage^)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Sample (N = 307)</td>
<td>91(30)</td>
<td>140(46)</td>
<td>26(8)</td>
<td>23(7)</td>
<td>76(25)</td>
</tr>
<tr>
<td>Training Sample (n = 246)</td>
<td>75(30)</td>
<td>114(46)</td>
<td>21(9)</td>
<td>17(7)</td>
<td>61(25)</td>
</tr>
<tr>
<td>Test Sample (n = 61)</td>
<td>16(26)</td>
<td>26(43)</td>
<td>6(10)</td>
<td>6(10)</td>
<td>15(25)</td>
</tr>
</tbody>
</table>

^Total group percentage exceeds 100 due to participants diagnosed with more than one targeted disease

CANS = Central Auditory Nervous System
eResults. List of items from CEDRA included in the scoring algorithm^:

- When talking on a telephone, do you understand what people say better in one ear than the other?
- Did the hearing loss in either of your ears develop suddenly?
- Have you ever had a sudden permanent change in your hearing?
- Do you have a hearing loss in only one ear?
- Do you hear better in one ear more than another?
- Does your hearing change from day to day?
- Overall, how would you rate your health?
  * Response Choices: Very Poor, Poor, Good, Very Good
- How often do you have dizziness?
  * Response Choices: Never, Occasionally, Frequently, Always
- How would you rate your balance?
  * Response Choices: Very Poor, Poor, Good, Very Good
- As an adult, have you ever had more than one infection in the same ear over during one year?
- Do you have tinnitus, such as ringing, roaring, or cricket-like sounds in your ears?
  - If yes, do you have tinnitus in right, left, both ears, or unsure?
  - If yes, do you have any of the following symptoms with your tinnitus:
    - dizziness, pressure, fullness, plugged feeling?
- Have you ever noticed pus, blood or other active fluid discharge from your ear?
- Have you ever been told by a physician that you have Meniere’s disease?
- Have you ever had any of the following symptoms lasting longer than 10 minutes?
  - Sudden drop in hearing in one or both ears
  - A rapid change in vision in one or both eyes
- In the past 3 months, have you had any of the following symptoms?
  - Any persistent discharge from either ear
  - Pus or blood in your ears
  - Any persistent pain in or around either ear
  - A change in hearing in one or both ears
  - A head cold or sinus problem that made your hearing worse
  - Dizziness
  - Fell because of poor balance
  - A persistent or recurring headache
  - Recurring fever, night sweats, chills

^ Binary response of Yes/No unless otherwise indicated.