

If you are viewing this course as a recorded course after the live webinar, you can use the scroll bar at the bottom of the player window to pause and navigate the course.

This handout is for reference only. It may not include content identical to the powerpoint. Any links included in the handout are current at the time of the live webinar, but are subject to change and may not be current at a later date.

Audiology Grand Rounds:

A Week at Henry Ford Hospital

Day 5: Favorite Cases



Henry Ford Health System: The Institution



- Founded in 1915 by Henry Ford
- Over 18,000 employees
- 1,200 Medical Group Members
- 6 hospitals
- 25 outpatient centers
- Over 3.1 million outpatient visits annually
- Over 15,000 appointment slots per day
- 17 audiologists at 4 sites



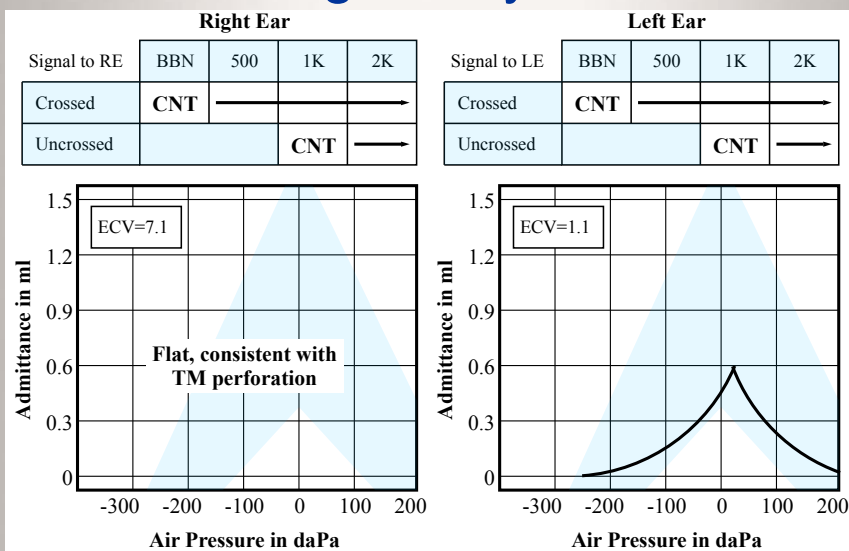
Report of a Case

Case: A

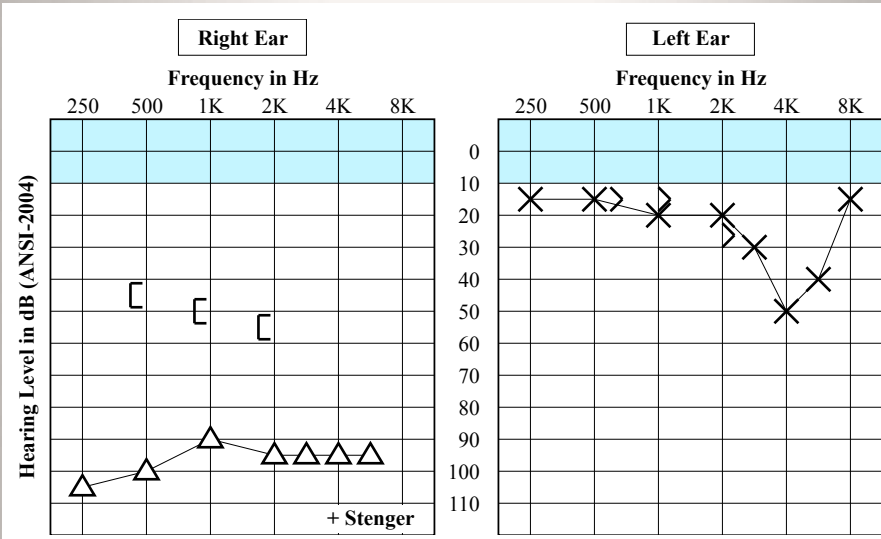
- Age: 31 years Sex: Male
- History:
 - Gunshot wound, right TMJ, 3 weeks prior
 - Trouble hearing out of right ear since
 - Ear pain that is subsiding
 - Muffled sound, accompanied by tinnitus



Case: A Age: 31 yrs 4/08/12



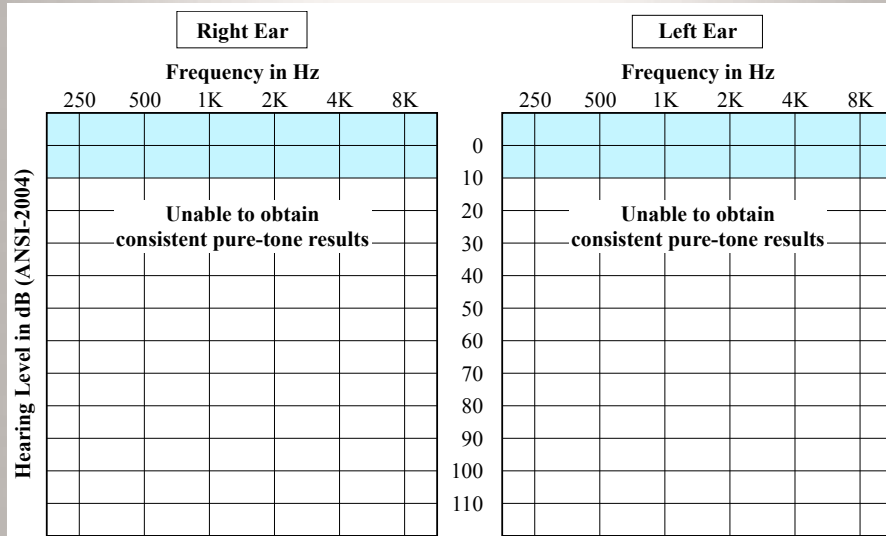
Case: A Age: 31 yrs 4/08/12



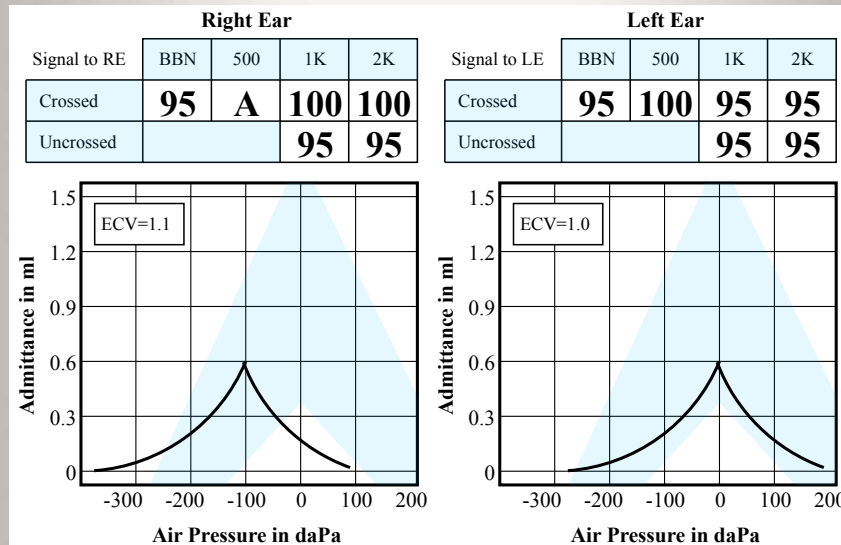
Case: A Age: 31 yrs 4/08/12

Word-Recognition			
Right		Left	
50	dB	10	dB
90% @ 80 dB	WRS	100% @ 80 dB	

Case: A Age: 31 yrs 4/08/12

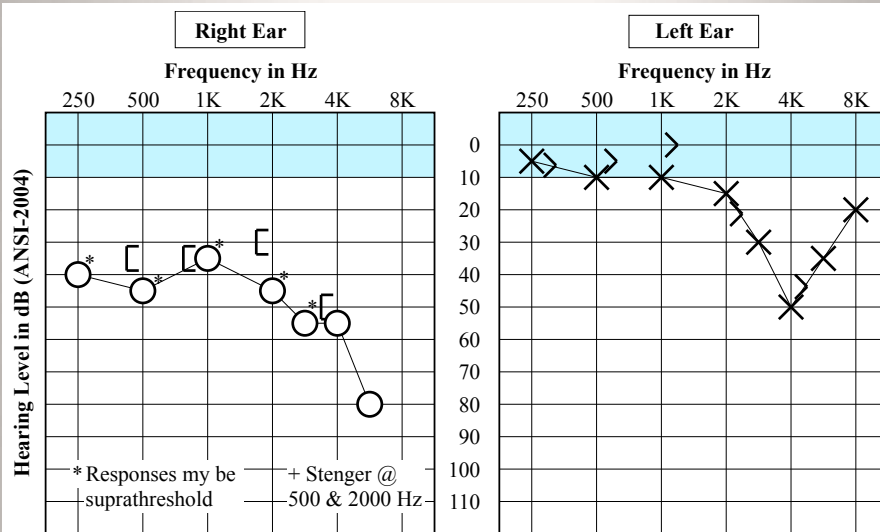


Case: A Age: 31 yrs 4/22/12



continued™

Case: A Age: 31 yrs 4/22/12

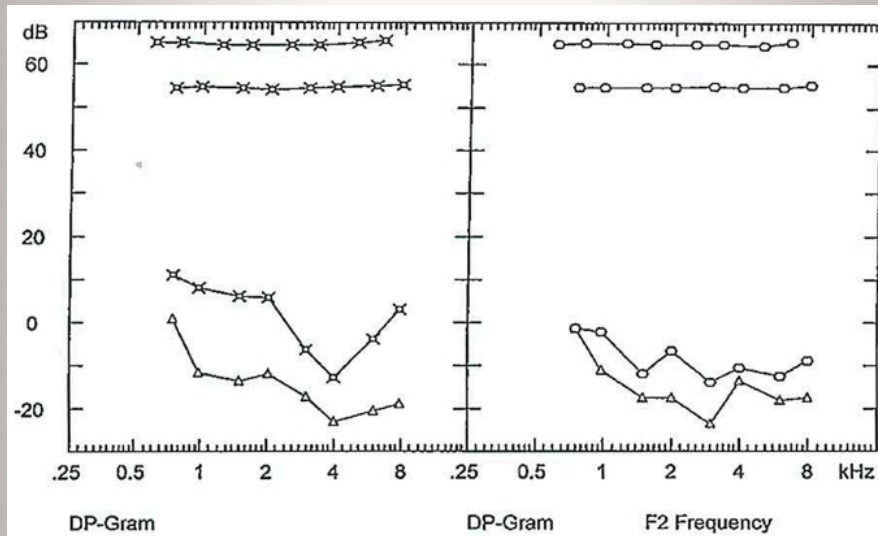


Case: A Age: 31 yrs 4/22/12

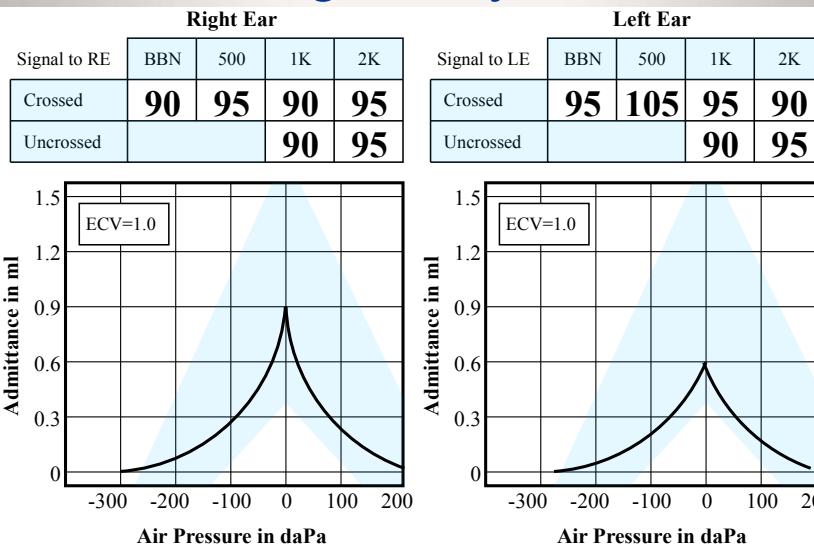
Word-Recognition					
Right			Left		
35	dB	SRT	0	dB	
50	%	WRS 50	100	%	
100	%	WRS 80	100	%	

continued™

Case: A Age: 31 yrs 4/22/12

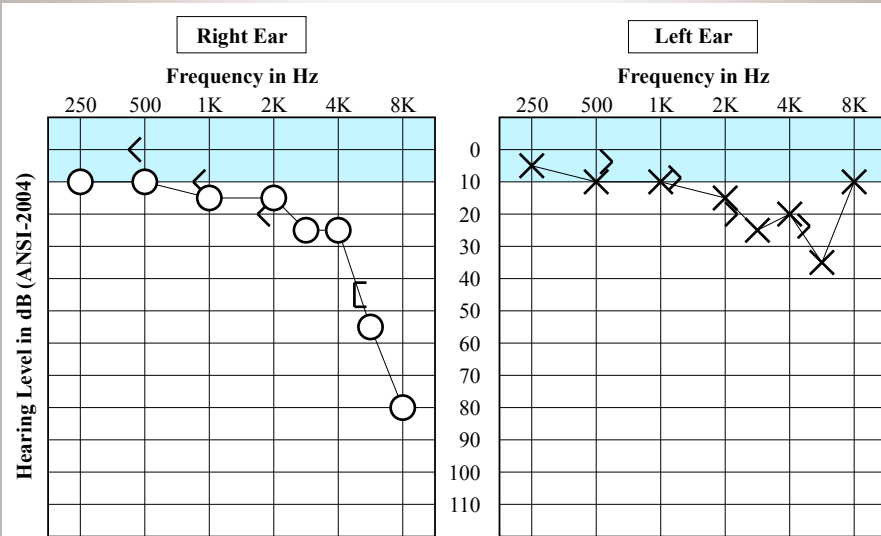


Case: A Age: 31 yrs 5/08/12



continued™

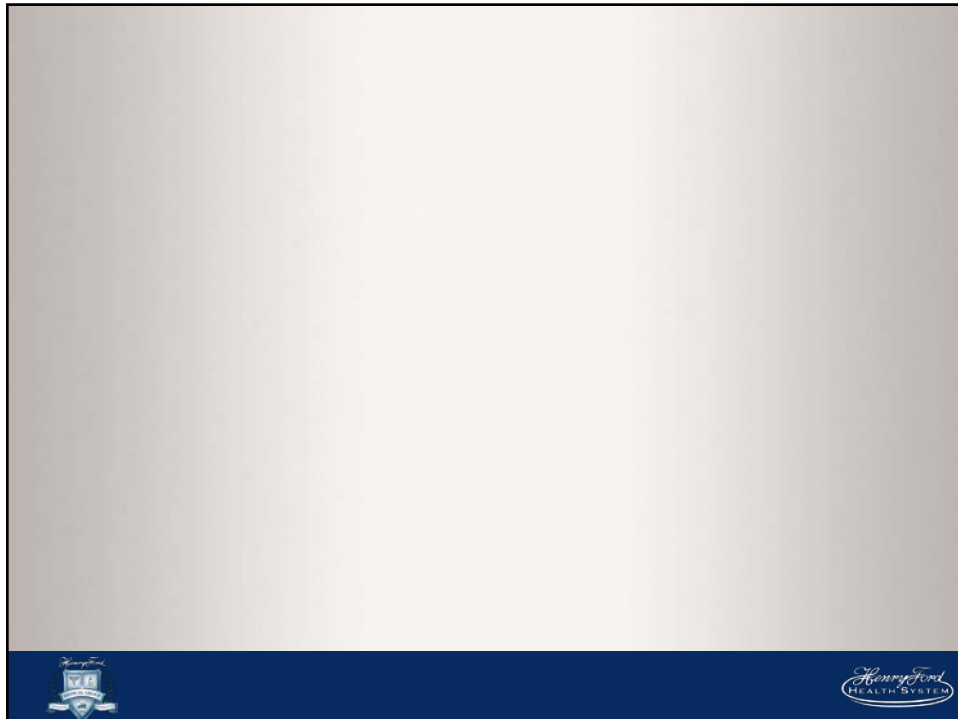
Case: A Age: 31 yrs 5/08/12



Case: A Age: 31 yrs 5/08/12

Word-Recognition					
Right			Left		
10	dB	SRT	10	dB	
100	%	WRS 80	100	%	

continued™

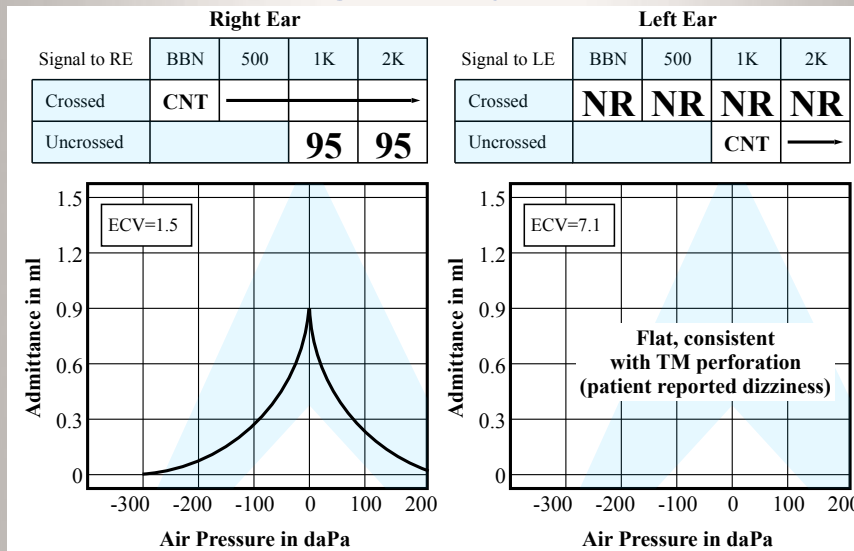


Report of a Case

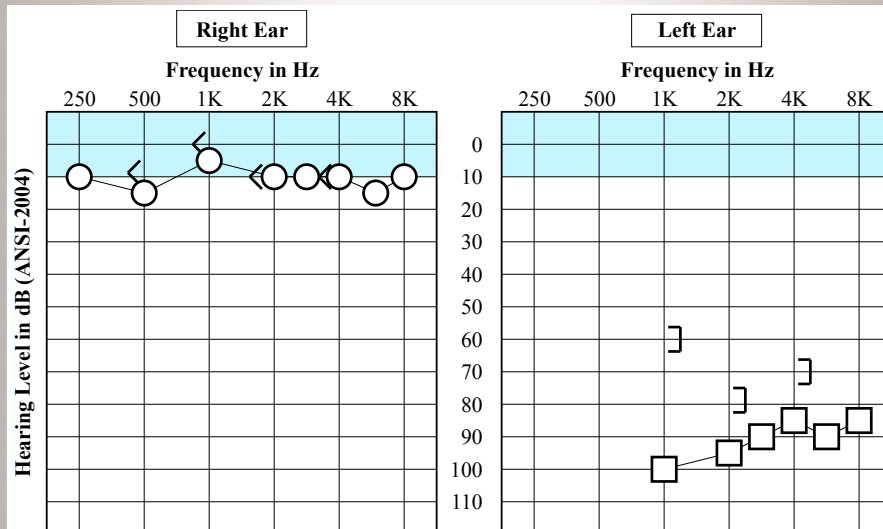
Case: B

- Age: 59 years Sex: Female
- History:
 - Self-induced Q-tip injury, 2 days prior
 - Left tympanic membrane perforation
 - Left perilymphatic fistula
 - Severe hearing loss and dizziness
 - Left-sided pain

Case: B Age: 59yrs Pre-op



Case: B Age: 59 yrs Pre-op



continued™

Case: B Age: 59 yrs Pre-op

Word-Recognition Scores

Right	Level	Left
<u> %</u>	100 HL	<u> 0 %</u>
<u> 100 %</u>	80 HL	<u> %</u>



Balance Function Summary Case: B

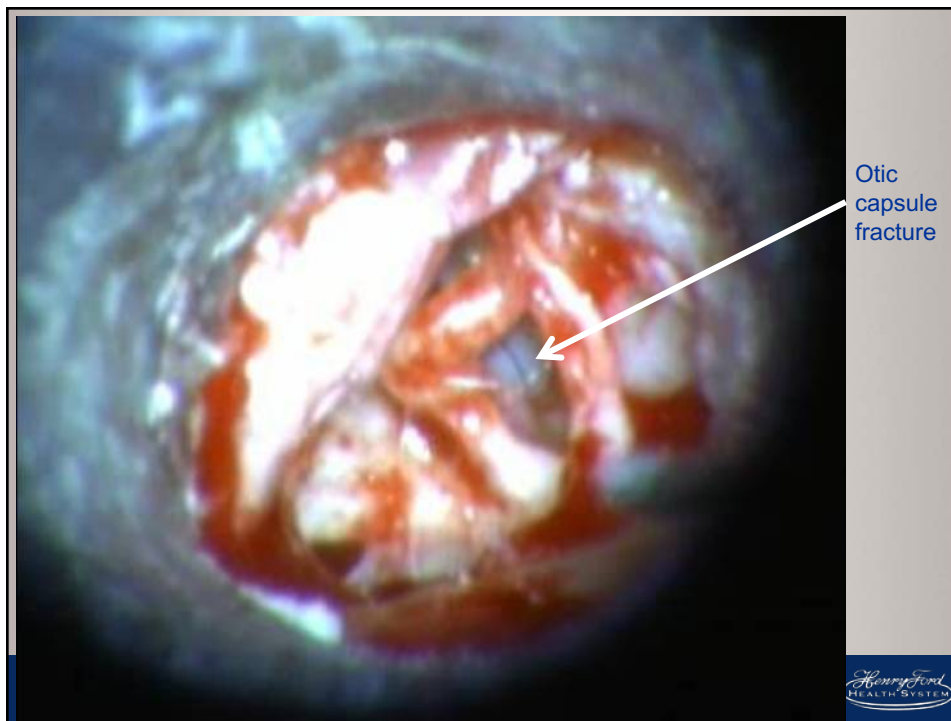
- VNG Results:
 - No left-ear bi-thermal caloric responses
 - Significant unilateral weakness
- Rotational Chair Results:
 - Slight phase leads
 - No asymmetry



Surgical Summary

Case: B

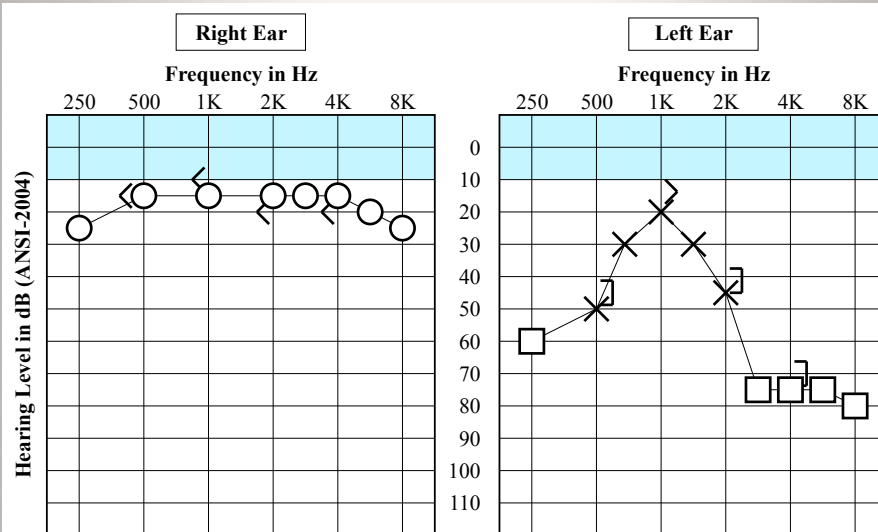
- Operation:
 - Left round window fistula repair
 - Left oval window fistula repair
 - Left tympanoplasty
- Findings
 - Fracture in superior region of oval window
 - 30% posterior superior perforation



continued™

Case: B

1-month post-op



Case: B

1-month post-op

Word-Recognition Scores

Right

Level

Left

90

%

80 HL

76

%

%

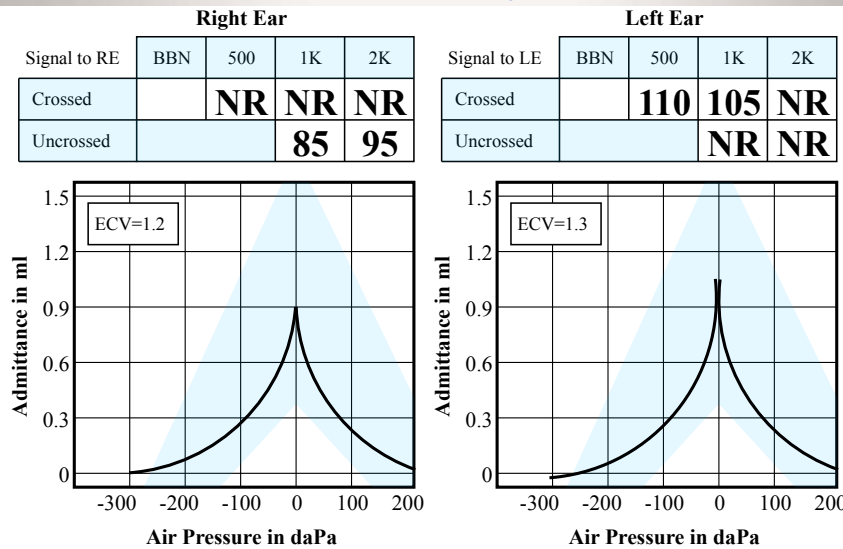
70 HL

%

continued™

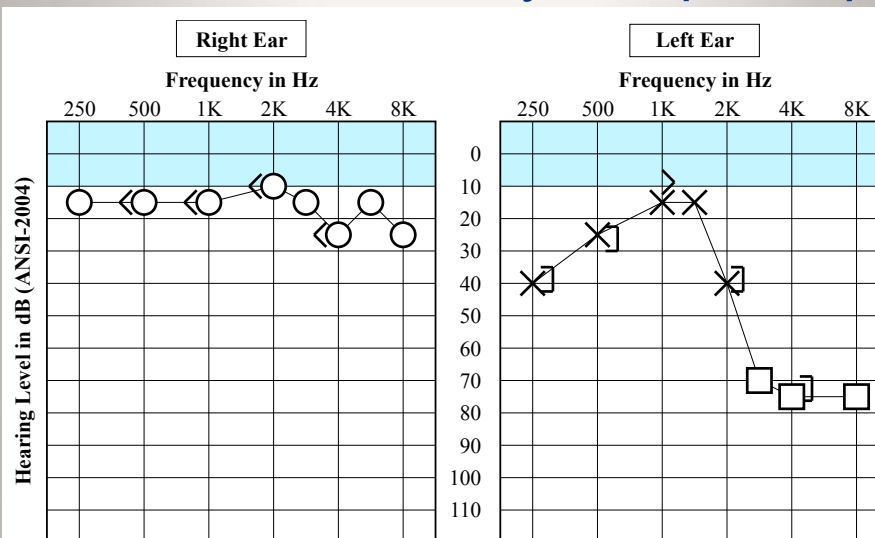
Case: B

3-years post-op



Case: B

3-years post-op



continued™

Case: B

3-years post-op

Word-Recognition Scores

Right		Level	Left	
100	%	80 HL	96	%
	%	70 HL		%



continued™

Report of a Case

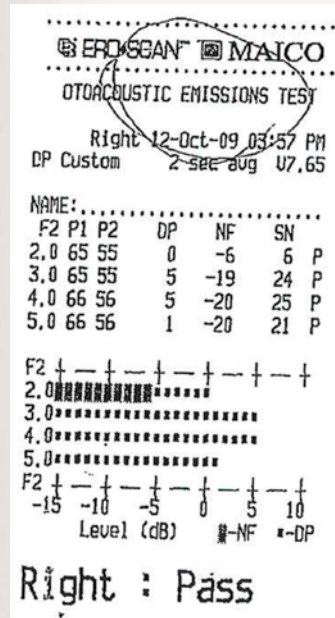
Case: C

- Age: 6 years Sex: Female
- History:
 - Failed school screening



Case: C

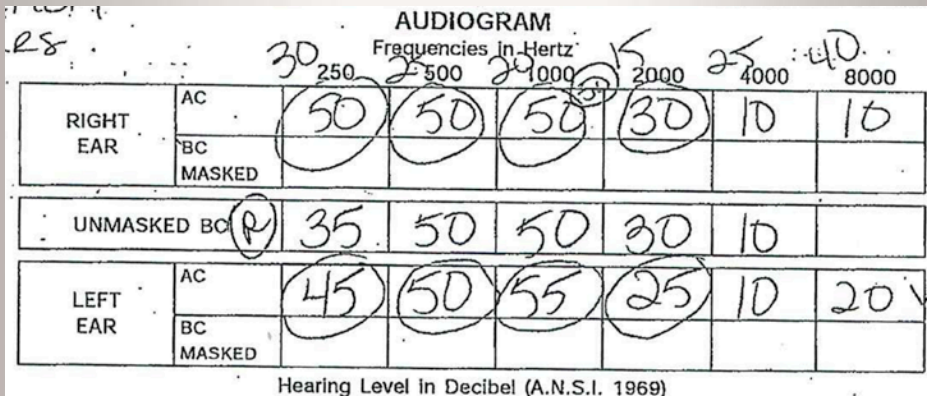
To the
pediatrician ...



continued™

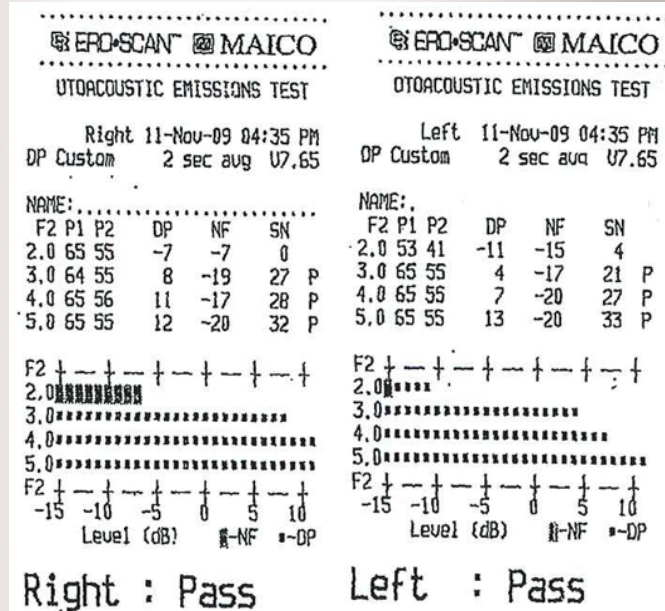
Case: C

back to the school ...



Case: C

back to the
pediatrician ...



continued™

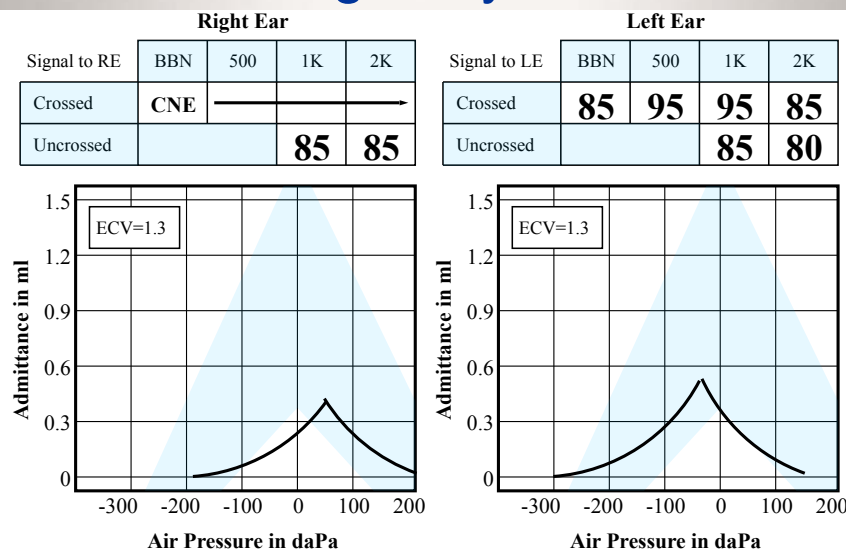
To the Rescue

Case: C

- Age: 6 years Sex: Female
- History:
 - Failed school screening
 - Parental concerns about hearing
 - Struggles in the classroom
 - Some articulation errors

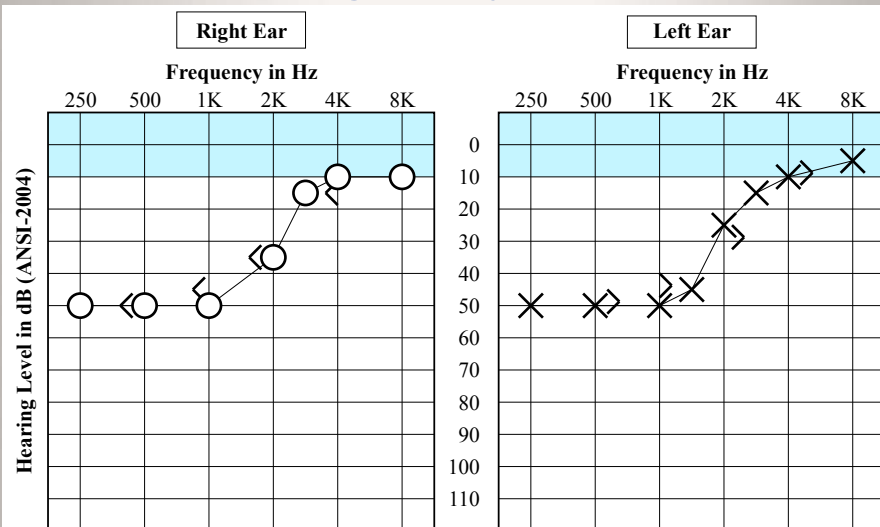


Case: C Age: 6 yrs Female



continued™

Case: C Age: 6 yrs Female



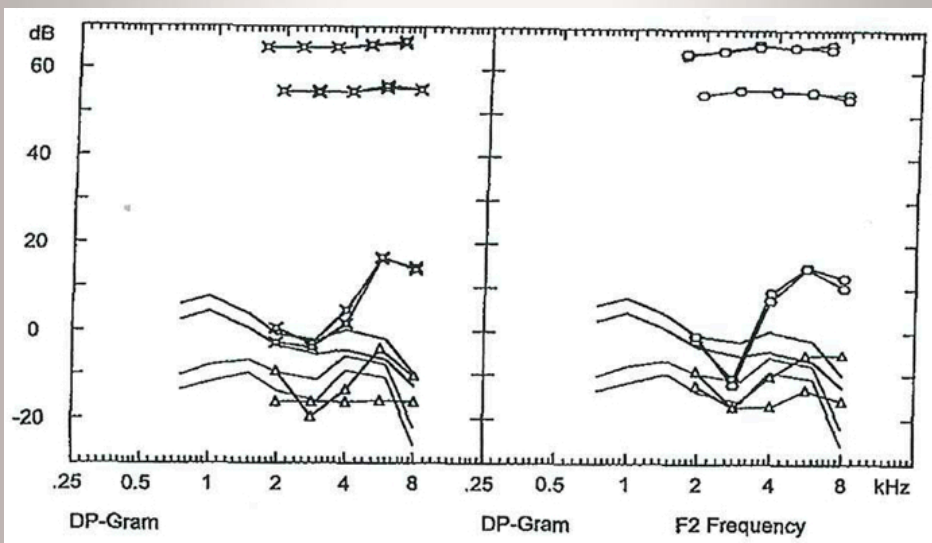
Case: C Age: 6 yrs Female

Word-Recognition					
Right			Left		
56	dB	SRT	96	dB	
88	%	WRS 80	84	%	

continued™

Otoacoustic Emissions

Case: C

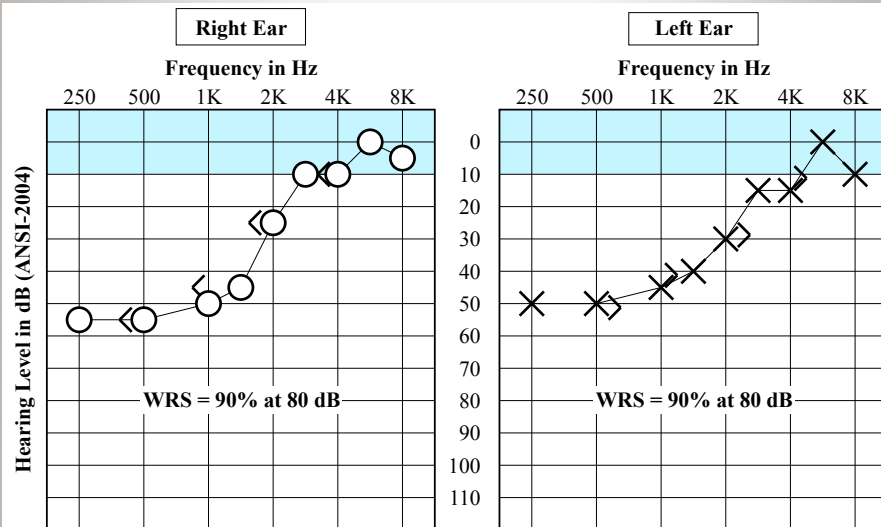


Disposition

Case: C

- Hearing Aids:
Bilateral Oticon Vigo Connect BTE with slim tubes
- Follow-up:
Successful use of amplification at 3 year f.u.

Case: C Age: 9 yrs Female



continued™