

Assessment 1

Scenario:

You have a 14-month old child whom has these as his records. This is the first time he has been diagnosed with a hearing loss, and more than likely has had it since birth.

- What are the facts provided on each of these reports? Look carefully. List anything affecting outer, middle, inner ears and anything that might impact auditory processing.
- What are the potential implications of these facts? What might the child not hear? What might the child's speech and language sound like?

Assignment:

- Make a list of all the information you can gather from these two reports in an orderly fashion.
- A parent says, "These are greek to me. What does all this mean?" The parent is moderately educated, but is unfamiliar with any of the jargon being used. Write out what you would say to this parent.
- Make a list of implications--based on the facts listed above. How does each fact influence what a child might perceive? What might they be missing? What might their speech/language/communication be like? Any potential auditory processing issues that may arise?

Auditory Brainstem Response Report

was seen for an auditory brainstem response test, tympanometry and otoacoustic emissions test on May 26, 2005. The procedures were performed under general anesthesia in the Operating Room.

Procedures:

Tympanometry yielded Type B (stiff) readings bilaterally, with volume measurements of 0.8. Otoacoustic emissions tests showed no frequency areas with consistent responses.

Auditory Brainstem Response (ABR) testing was done utilizing rarefying click-evoked stimuli delivered via insert earphones at a rate of 13.3/sec. Repeatable responses were obtained at levels as low as 80 dB nHL in the left ear and 65 dB nHL in the right ear. No responses were obtained for softer stimuli. Bone-conduction stimuli yielded responses at 50 dB nHL, with no observable response for softer stimuli.

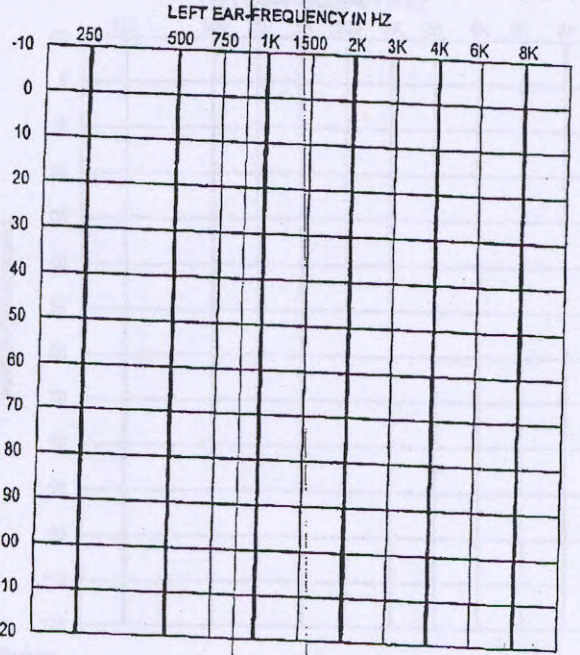
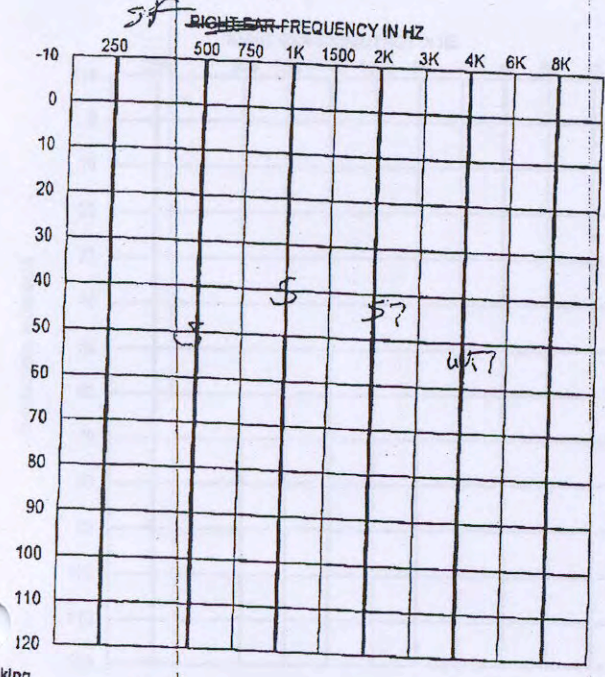
Auditory steady state response (ASSR) testing was then performed, and results showed responses via air conduction at 80 dB to 85 dB at 1K Hz and 2K Hz in the left ear. The right ear showed a response at 70 dB at 500 Hz, and at 85 dB at 1K, 2K, and 4K Hz.

Summary: There appears to be a mixed type of hearing loss. Air-conduction hearing loss is in the moderately severe to severe range bilaterally. Underlying cochlear reserve is likely to be better than 50 dB (in the better hearing ear). The gap between air-conduction and bone-conduction is likely related to a stiffness component in the middle ear system.

As a result of the auditory findings, it is likely that hearing aids will be of benefit. Earmold impressions were made for both ears. A follow-up appointment will be scheduled in ENT for medical clearance and for management of the conductive components, and subsequently hearing aids will be fit in approximately 3 weeks.

Provider Requesting Consult: _____

DV	Now	Never	Past	Counseling Offered
Tobacco				
ETOH				



AUDIOGRAM KEY

	R	L
AC Unmasked	O	x
AC Masked	△	□
BC Mastoid Unmasked	<	>
BC Mastoid Masked	[]
No Response	ψ	ψ
SOUNDFIELD		
Unaided	S	
Aided	A	

INSERT EARPHONES

Masking

BC							
AC							

SPEECH TESTS

	PTA	SRT	MCL	UCL	DISCRIM
RIGHT					
LEFT					
MASKING					

SPEECH TESTS

	PTA	SRT	MCL	UCL	DISCRIM
LEFT					
MASKING					

Room: Yes No Soundfield: _____ Conditioned Play: _____ Reliability: fair

Reason for referral/history: 14. m.o. living in foster care. Foster mom thinks

Notes: he responds to sounds
Possible Mod. HL in better/both ears
"Searching" to speech stimuli at 40-45. Possibly at 35dB
narrowband noise - questionable responses at 40-55dB
Response seemed to be present initially, but faded out
stimulus repetition

Ymps: Slight stiffness evident A.U., but limited mobility
evident

Attempted OAE, but pt. agitated, so test aborted.
 Plans, instructions, appointments and referrals: Refer for ABR/OAE

Continued on next page

REFLEXES

		Contralateral			
STIM		500	1K	2K	4K
Right					
Left					
		Ipsilateral			
STIM		500	1K	2K	
Right			-10		
Left			-10		
		Contra Reflex Decay			
STIM		500	1K		
Right					
Left					
		Impedance			
STIM	SHOULDER	SHAPE/PEAK	VOL	Peak	
Right	32	As	18	0.2	
Left	45	As	10	0.2	



MS4# _____ Signature(s): _____

Assessment 2

Scenario:

You have a 16-month old child whom has these as his records. The child has been diagnosed since 12 months, also the date of onset of his hearing loss.

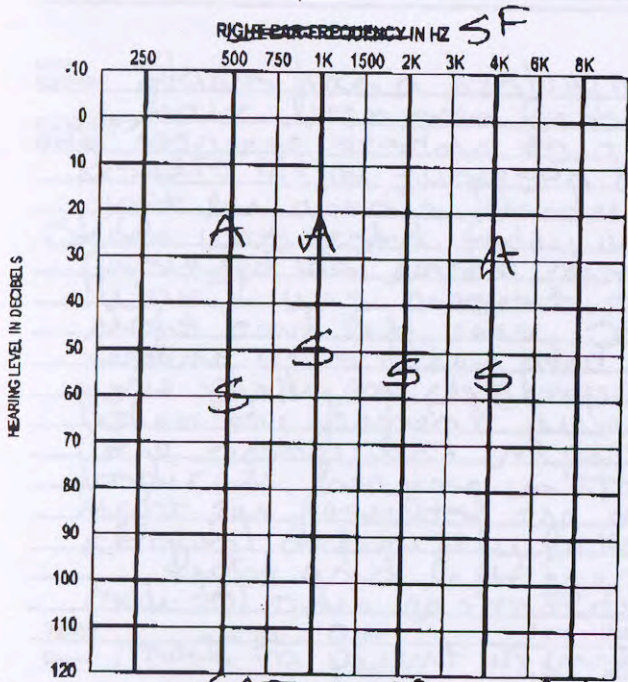
- What are the facts provided on each of these reports? Look carefully. List anything affecting outer, middle, inner ears and anything that might impact auditory processing.
- What are the potential implications of these facts? What might the child not hear? What might the child's speech and language sound like?

Assignment:

- Make a list of all the information you can gather from these two reports in an orderly fashion.
- Make a list of implications--based on the facts listed above. How does each fact influence what a child might perceive? What might they be missing? What might their speech/language/communication be like? Any potential auditory processing issues that may arise?
- How could you assess for these implications?
- List your first 5 ideas for intervention strategies, how they might help the child gain access to more information, and why those 5 intervention strategies are important and chosen before others.

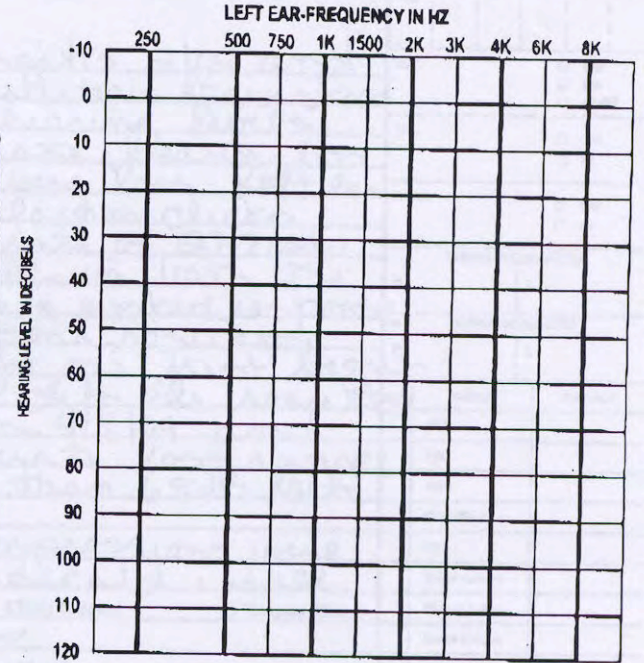
Provider
Requesting Consult

	Now	Never	Past	Counseling Offered
DV				
Tobacco				
ETOH				



AUDIOGRAM KEY	
	R L
AC Unmasked	O X
AC Masked	△ □
BC Masked Unmasked	< >
BC Masked Masked	()
No Response	ψ ψ
SOUNDFIELD	
Unaided	S
Aided	A

INSERT EARPHONES



Masking BC AC									
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Masking BC AC									
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	PTA	SRT	MCL	UCL	DISCRIM	
RIGHT	dB	dB	dB	dB	%	dB
MASKING		dB	dB	dB	dB	LIST

SPEECH TESTS
 RECORDED
 LIVE

	PTA	SRT	MCL	UCL	DISCRIM	
LEFT	dB	dB	dB	dB	%	dB
MASKING		dB	dB	dB	dB	LIST

Soundroom: Yes No Soundfield: Conditioned Play: Reliability: good

Reason for referral/history: Pt here for audio and fitting of left
Results: BTE Phonak Auro 211AZ # 044#24298. Right Auro 211AZ fit 4/7/2004.

Soundfield unaided results similar to 4/04 results and indicate a moderate hearing loss in both or better ear.

Fit L hearing aid using ~~simulated~~ simulated real ear SDSL. Aided results in the slight loss range (New hearing aid had adult earhook; req battery door. Will mail pediatric earhook to parent.)

Follow-up plans, instructions, appointments and referrals: Plan: ABR tomorrow. Will make earmold impressions for new earmolds. Will make latest hearing/hearing aid check in the fall.

REFLEXES				
Contralateral				
STIM	500	1K	2K	4K
Right				
Left				
Ipsilateral				
STIM	500	1K	2K	
Right				
Left				
Contra Reflex Decay				
STIM	500	1K		
Right				
Left				
Immittance				
STIM	PRES	SHAPE/PEAK	VOL	
Right	-85	As/1	16	
Left	-85	As/1	17	

MS4# _____ Signature(s): _____

PCC AMBULATORY ENCOUNTER RECORD

PROBLEM LIST UPDATE
(Enter Problem Numbers From Health Summary)

Remove	Move to Inactive	Move to Active

PROVIDERS

PRIMARY PROVIDER	3	28

INITIALS / CODE

3	28	LCE

CHIEF COMPLAINT has a history of meningitis 2/04 and have been seen for serial auditory brainstem response testing to quantify hearing levels. Results 4/8/04 suggested moderate hearing loss right ear and a moderately-severe loss left ear. He was tested today using earplugs and presented via insert phones at a rate of 27.7/sec. Wave II was present to 50dB HL in both the right and left ears. Steady state evoked response testing was attempted and left ear results were pretty much complete, right ear just begun when the patient awakened. Left ear results were somewhat improved from 4/8/04 and indicate hearing in the moderate loss range; right ear results are no worse than 65dB but almost definitely better.

Right and left ear molds impressions were made to order ear molds w/ Medicaid. Will

Injury? Yes No **ETOH Related** **Empoy. Rel.**

Cause: Mail to parent w/ instructions

TEMP _____ **PULSE** _____ **RESP** _____

WT. _____ GM KG LB-OZ

HT. _____ CM IN

HEAD _____ CM IN

VISION-UNCORRECTED _____

VISION-CORRECTED _____

ORDER	INITIALS
HCT	
UA	
HCG	
BG-FBS-R	
CBC	
Urine culture	
Throat culture	
Stool culture	
STB	
PAP	
Public	
Breast	
Mammogram	
Rectal	
Chest X-ray	
EKG	
Boak	
Hep B #	
Hep A #	
OPV #	
DTP #	
DT of #	
DT	
Td	
MMR #	
Varicella	
Influenza	
Hb TITER/ACRHB #	
Pneum HSB #	
Pneumo Vax	
PPD	mm

OTHER TESTS/PROCEDURES ORDERED

PROBLEM LIST	PURPOSE OF VISIT (PRINT ONLY IN THIS SECTION; DO NOT ABBREVIATE)	Health Factors
A-ALC		
	ABR # 92585	
	EMI # V5275 X2	
	HEARCheck # 92585	

Impression: Moderate hearing loss bilateral.

REPRODUCTIVE FACTORS G P LC SA TA LMP _____ **FP METHOD** _____ **DATE BEGUN** _____

PROBLEM LIST NOTES **STORE NOTE FOR PROB.** Plan: Pt.'s behavioral responses to auditory stimuli are becoming quite accurate, therefore further ABR testing is not needed. Pt. should return to audiology in September for audio and hearing aid check and ear mold impressions.

MEDICATIONS _____ **MEDICATIONS / TREATMENTS / PROCEDURES / PATIENT EDUCATION** _____

REVISIT / REFERRAL TO: _____ **DATE** _____ **TIME** _____

PURPOSE: _____

INSTRUCTIONS TO PATIENT: _____ SIGN RELEASE RECORDS

TYPE OF DECISION MAKING

- Straight Forward
- Low Complexity
- Moderate Complexity
- High Complexity