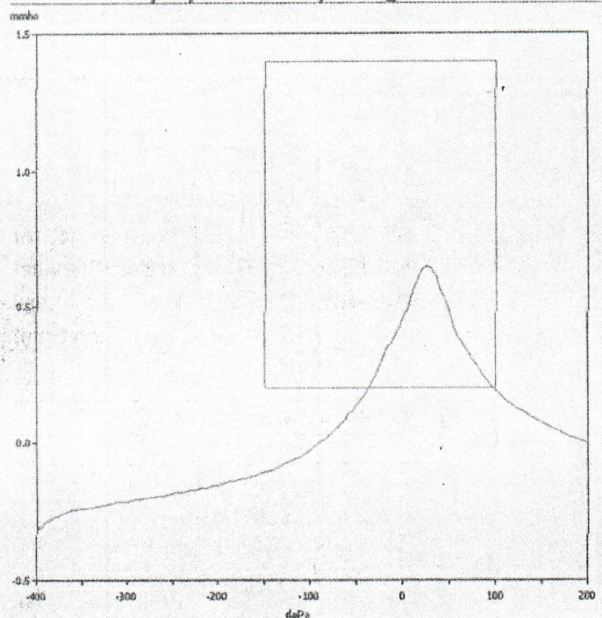


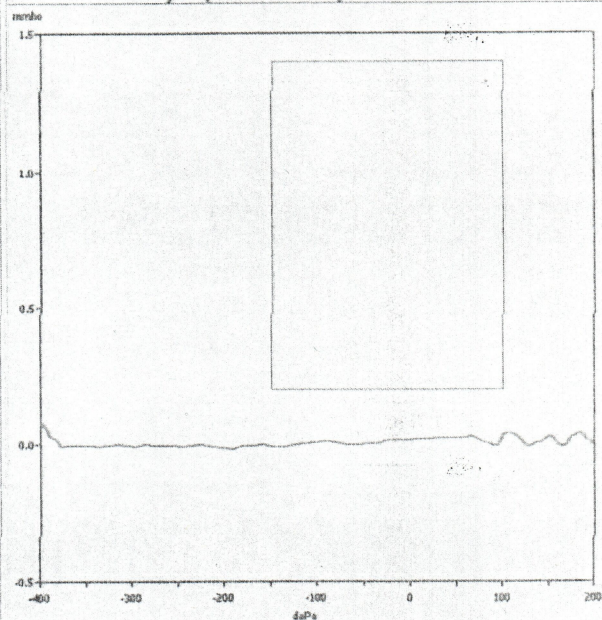
amad almurshid TympStar Pro, GS0089856
 Patient ID: 3453571-2yrs Calibrated: 3/14/2023
 Age: Test date: 7/13/2023
 Birthdate:

Tympanometry - Right Ear



226 Hz Probe Tone		600/200 daPa/s Sweep Rate			
Tymp	Vea cm3	Peak daPa	Peak mmho	Type	
1 ← Y	0.9	25	0.85	A	

Tympanometry - Left Ear



226 Hz Probe Tone		600/200 daPa/s Sweep Rate			
Tymp	Vea cm3	Peak daPa	Peak mmho	Type	
1 ← Y	0.3	NP	NP	B	

Examiner:  Signed by: _____ Date: _____

Dr. Sulaiman AlHabib - Al Olaya
ENT Dept.
Audiology Unit
ABR Report

Patient name: Hamad Khaled AlMurshid
Medical record No. 3453571
Age: Two years and ten months old
Date of test: July 13th 2023

Subject:

Patient is a two year old male, medically free, a product of a full-term pregnancy and C-section, with no reported complications pre- peri- and postnatally, he is a case of delayed speech/language, currently communicates via single words with a vocabulary repertoire of about 15-20 words.

Purpose of test:

Threshold determination.

Sedation:

None, natural sleep.

Stimulus:

Alternating acoustic clicks were presented monaurally at the rate of 27.5 p/sec, at a starting intensity of 80 dBnHL, and down to threshold in the 10 dB steps.

Mode of stimulation:

Ipsilateral

Results:

Auditory brainstem response (ABR):

Acoustic Clicks:

Identifiable and repeatable wave V was present down to 25 dBnHL bilaterally, with normal absolute and interpeak latencies, suggesting normal peripheral hearing in the 2-4KHz frequency range bilaterally.

Tympanogram:

Right ear: Type A

Left ear: Type B

Recommendation:

Results explained, reassured.

To return to Dr, Nedhal.

Najla AlJonidel,
Audiologist II

AEP Test Results

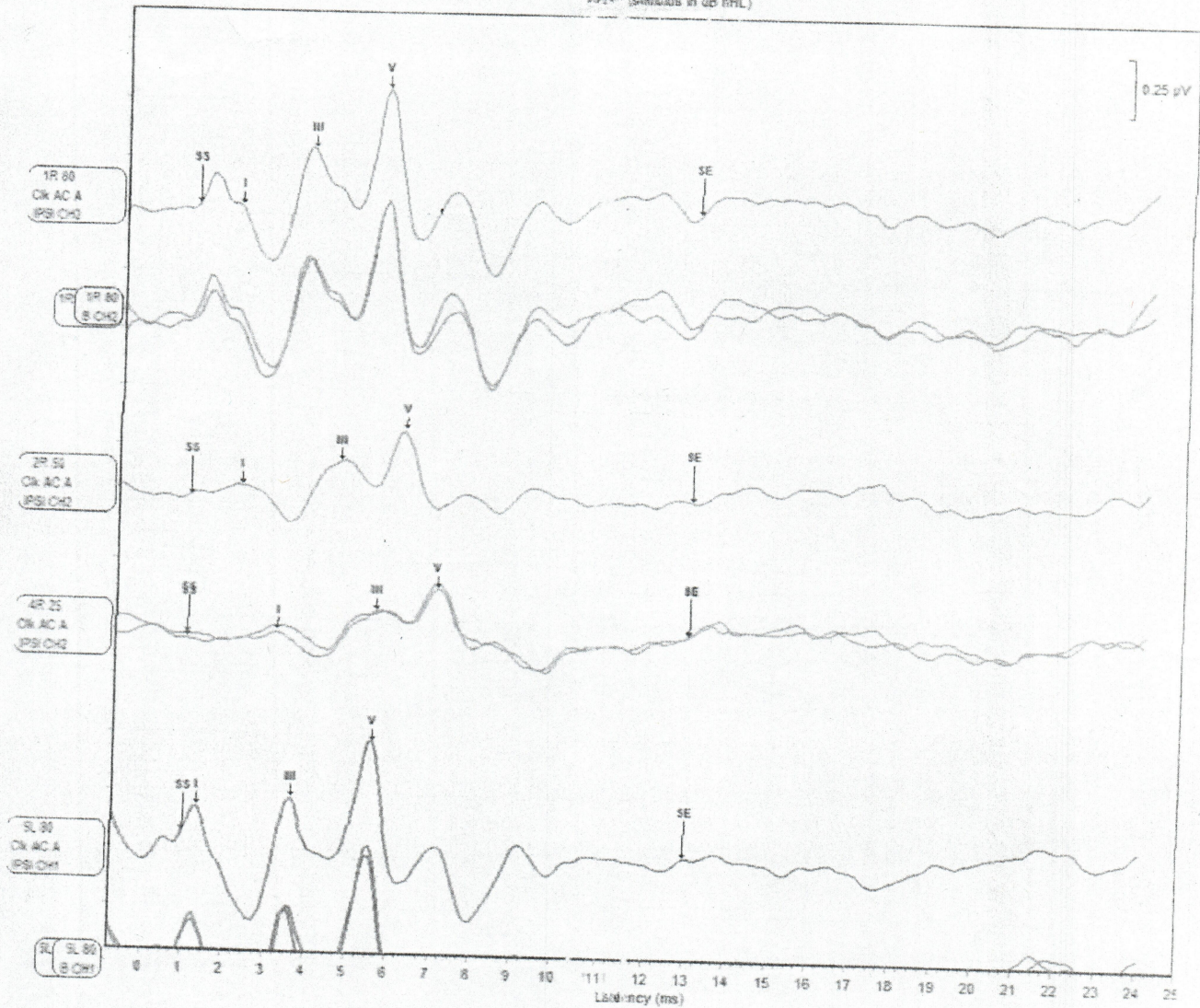
Patient:
Patient ID:
AEP GRAPH

ALMURSHID, HAMAD
3453571

Date of Birth:
Gender:

Date of Test: 07/13/2023
Examiner:

AEP (stimulus in dB nHL)



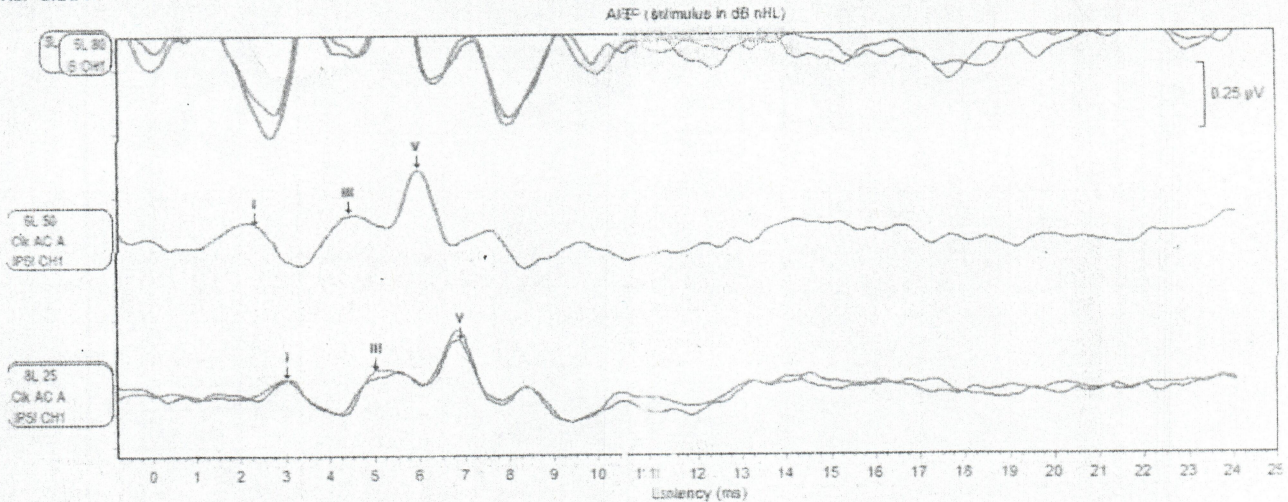
AEP Test Results

Patient: ALMURSHID, HAMAD
Patient ID: 3453571

Date of Birth: ---
Gender: ---

Date of Test: 07/13/2023
Examiner: ---

AEP GRAPH



AEP TEST RESULTS - Version of Software When Collected: 8.10.1

		Corr. Coef.	RN (µV)	SNR	Fsp	SS	SE	* Noise Adj. Sweeps	% Rej.	# of Stimuli	Gnd	Impedance	1	2
1	R 80 CH2	0.92	0.030	---	---	1.0	113.0	1389	0	1906	3.50	4.00	2.50	5.00
2	R 50 CH2	0.90	0.017	---	---	1.0	113.0	1576	0	2192	3.50	4.00	2.50	5.00
3	R 25 CH2	0.85	0.023	---	---	1.0	113.0	1461	0	2008	3.50	4.00	2.50	5.00
4	R 25 CH1	0.93	0.015	---	---	1.0	113.0	1788	0	2304	3.50	4.00	2.50	5.00
5	L 80 CH1	0.97	0.021	---	---	1.0	113.0	1554	0	2368	3.50	4.00	2.50	5.00
6	L 50 CH1	---	0.015	---	---	1.0	113.0	1703	0	2200	3.50	4.00	2.50	5.00
7	L 25 CH1	---	0.011	---	---	1.0	113.0	1841	0	2344	3.50	4.00	2.50	5.00
8	L 25 CH1	---	0.016	---	---	1.0	113.0	1569	0	1984	3.50	4.00	2.50	5.00

Corr. Coef. = Correlation Coefficient, RN = Residual Noise

SNR = Signal to Noise Ratio, Fsp = Fixed Single Point signal quality measure, SS = Statistical Start, SE = Statistical End; % Rej. = Percent Rejected

ABR and ECOCHG WAVEFORM DATA

		ABR:										ECochG					
		Time (ms)										Amp (µV)		Ratio (µV/µV)		Time (ms)	
		I	I'	II	III	IV	V	V'	II-III	III-V	I-V	I-I'	V-V'	(V-V')/(I-I')		SP	AP
1	R 80 CH2	2.01	---	---	3.78	---	5.55	---	1.77	1.77	3.54	---	---	---	---	---	---
2	R 50 CH2	2.22	---	---	4.62	---	6.18	---	2.40	1.56	3.96	---	---	---	---	---	---
3	R 25 CH2	3.16	---	---	5.55	---	7.01	---	2.39	1.46	3.85	---	---	---	---	---	---
5	L 80 CH1	1.28	---	---	3.57	---	5.55	---	2.29	1.98	4.27	---	---	---	---	---	---
6	L 50 CH1	2.32	---	---	4.41	---	5.97	---	2.09	1.56	3.65	---	---	---	---	---	---
8	L 25 CH1	3.05	---	---	5.03	---	6.91	---	1.98	1.88	3.86	---	---	---	---	---	---

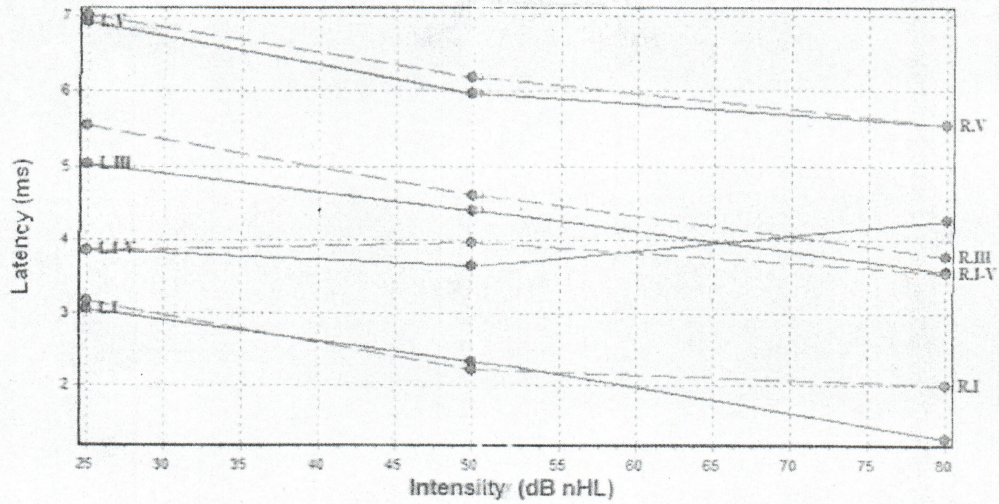
LATENCY-INTENSITY GRAPH

AEP Test Results

Patient: **ALMURSHID, HAMAD**
 Patient ID: **3453571**
 LATENCY-INTENSITY GRAPH

Date of Birth: **---**
 Gender: **---**

Date of Test: **07/13/2023**
 Examiner: **---**



TEST CONDITIONS

	Protocol Name	Stimulus Level	Stimulus Rate (/sec)	Polarity	Mask Level	Notch Filter (Hz)	Algorithm	ART μ V
1	R 80 CH2 ABR air-conducted click 27.5	80 dB nHL	27.5	Alternating	---	---	SOAP	Off
2	R 50 CH2 ABR air-conducted click 27.5	50 dB nHL	27.5	Alternating	---	---	SOAP	Off
3	R 25 CH2 ABR air-conducted click 27.5	25 dB nHL	27.5	Alternating	---	---	SOAP	Off
4	R 25 CH2 ABR air-conducted click 27.5	25 dB nHL	27.5	Alternating	---	---	SOAP	Off
5	L 80 CH1 ABR air-conducted click 27.5	80 dB nHL	27.5	Alternating	---	---	SOAP	Off
6	L 50 CH1 ABR air-conducted click 27.5	50 dB nHL	27.5	Alternating	---	---	SOAP	Off
7	L 25 CH1 ABR air-conducted click 27.5	25 dB nHL	27.5	Alternating	---	---	SOAP	Off
8	L 25 CH1 ABR air-conducted click 27.5	25 dB nHL	27.5	Alternating	---	---	SOAP	Off

ART=Artifact Rejection Threshold

PROTOCOL DETAILS

Protocol	Stimulus Type	Stimulus Rate (/sec)	Window	Ramp # of Cycles	Filter Cutoff (Hz)		Filter Roll-off (dB/Octave)		ART (μ V)	Max. # of Stimuli
					High Pass	Low Pass	High Pass	Low Pass		
ABR air-conducted click 27.5	click	27.5	-	-	30	1500	12	24	-	24750

ART=Artifact Rejection Threshold

INSTRUMENTATION INFORMATION

VivoLink Unit ID: **VN0301**
 Air conducted transducer ID: **62849 - 71213**

Amplifier ID: **AV1127**
 Bone conducted transducer ID: **---**

AEP Test Results

Patient: ALMURSHID, HAMAD Date of Birth: --- Date of Test: 07/13/2023
 Patient ID: 3453571 Gender: --- Examiner: ---

PATIENT DETAILS

Family Name:	ALMURSHID	Gender:	---
Given Name:	HAMAD	Ethnicity:	---
Patient ID:	3453571	Birth Weight:	---
Date of Birth:	---	High Risk Registry:	---
Time of Birth:	---		
Home Address:	---	Province / State:	---
City:	---	Country:	---
Postal / ZIP Code:	---		
Telephone:	---		
Mother's Family Name:	---		
Mother's Given Name:	---		
Mother's ID:	---		
Referring Physician:	---	Insurance Number:	---

TEST FACILITY INFORMATION

Test Facility:	---		
Department:	---		
Address:	---	Province / State:	---
City:	---		
Postal / ZIP Code:	---	Fax:	---
Telephone:	---		
E-mail Address:	---		
Website URL:	---		