



ABR Report

Patient name: Abdulkareem Abdulmajeed Al-Muzini.

Medical Record No. 2591641.

Age: 5.4 Years.

Date : 2/11/2022.

Threshold determination

Sedation:

General Anaesthesia.

Stimulus:

Click acoustic clicks were presented monaurally at a rate of 21 p/sec., at a starting intensity of 90 dBnHL in both ears.

Mode of stimulation:

Ipsilateral

Results:

Well Identifiable and repeatable ABR waves 1, 3, 5 could be detected upon both ears was stimulated at 90 dBnHL ON BOTH EARS. Both absolute and interpeak latencies were within normal range, WAVE 5 could be traced down to 20 dBnHL in both ears.

Conclusion

- **Bilateral Within normal peripheral hearing threshold level at 2-4Khz ZONE.**

Recommendation:

- 1- Neuro-Pediatric Consultation.
- 2- Psychology Consultation.
- 3- Phoniatic Consultation.



Dr. Shaimaa A., Sabry
MD. Audio-vestibular Medicine
Audio-vestibular Medicine Consultant



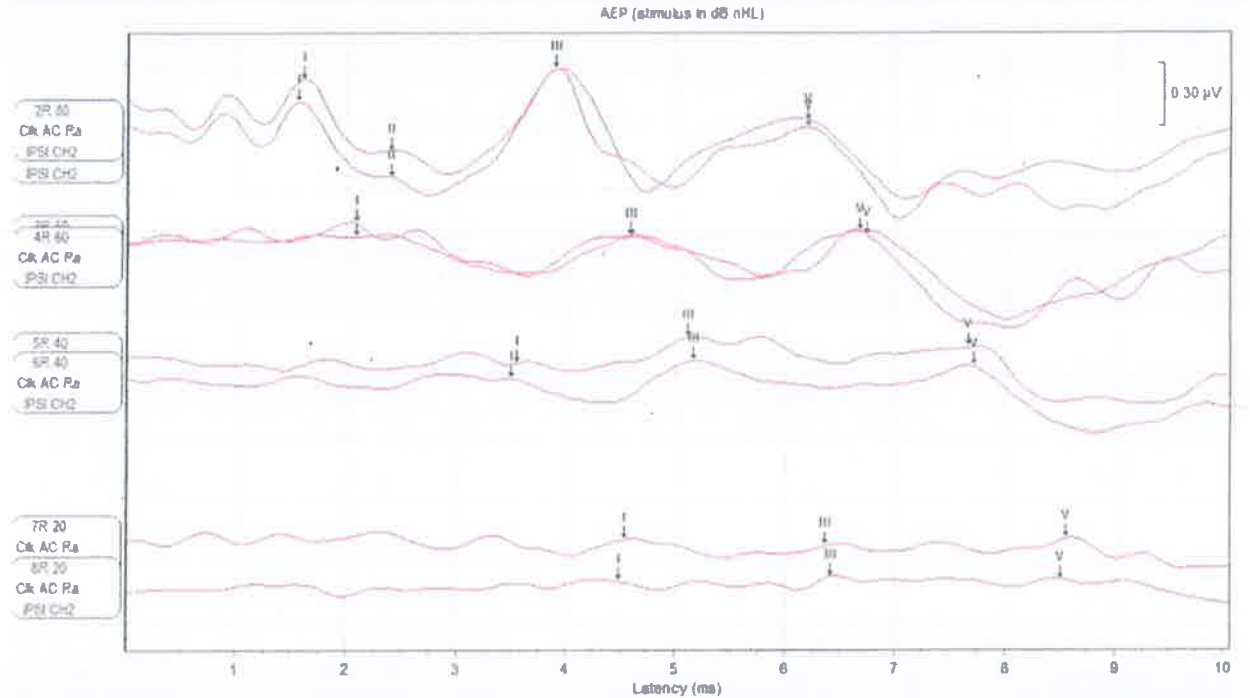
AEP Test Results

Patient: Abdulmajed Al-Muzini, Abdulkareem
Patient ID: 2591641

Date of Birth: 2017-06-06
Gender: Male

Date of Test: 2022-11-02
Examiner:

AEP GRAPH

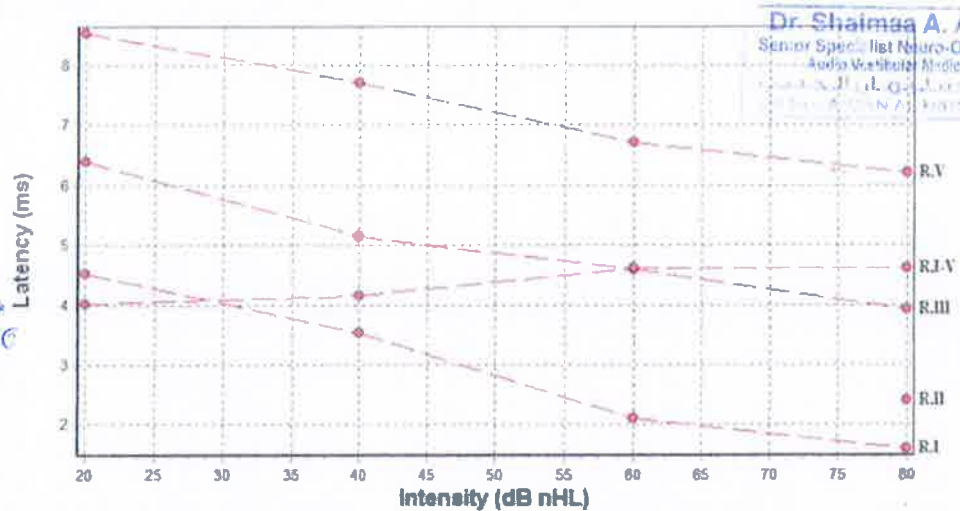


ABR WAVEFORM DATA

| | Corr. Coef. | RN µV | Time (ms) | | | | | | | | | | Amp (µV) | | Ratio | SS | SE |
|------------|-------------|-------|-----------|----|------|------|------|----|--------|-------|------|-----|----------|--------------|-------|----|----|
| | | | I | II | III | IV | V | V' | III-IV | III-V | I-V | I-V | V-V' | (V-V')/(I-V) | | | |
| 1 R 80 CH2 | | 0.110 | 1.57 | | 2.40 | 3.91 | 6.20 | | 2.34 | 2.29 | 4.63 | | | | | | |
| 2 R 80 CH2 | | 0.036 | 1.62 | | 2.40 | 3.91 | 6.20 | | 2.29 | 2.29 | 4.58 | | | | | | |
| 3 R 60 CH2 | | 0.097 | 2.09 | | | 4.59 | 6.67 | | 2.50 | 2.08 | 4.58 | | | | | | |
| 4 R 80 CH2 | | 0.066 | 2.09 | | | 4.59 | 6.73 | | 2.50 | 2.14 | 4.64 | | | | | | |
| 5 R 40 CH2 | | 0.072 | 3.55 | | | 5.11 | 7.66 | | 1.56 | 2.55 | 4.11 | | | | | | |
| 6 R 40 CH2 | | 0.043 | 3.50 | | | 5.16 | 7.71 | | 1.66 | 2.55 | 4.21 | | | | | | |
| 7 R 20 CH2 | | 0.064 | 4.54 | | | 6.36 | 8.55 | | 1.82 | 2.19 | 4.01 | | | | | | |
| 8 R 20 CH2 | | 0.068 | 4.49 | | | 6.41 | 8.50 | | 1.92 | 2.09 | 4.01 | | | | | | |

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

LATENCY-INTENSITY GRAPH



TEST CONDITIONS

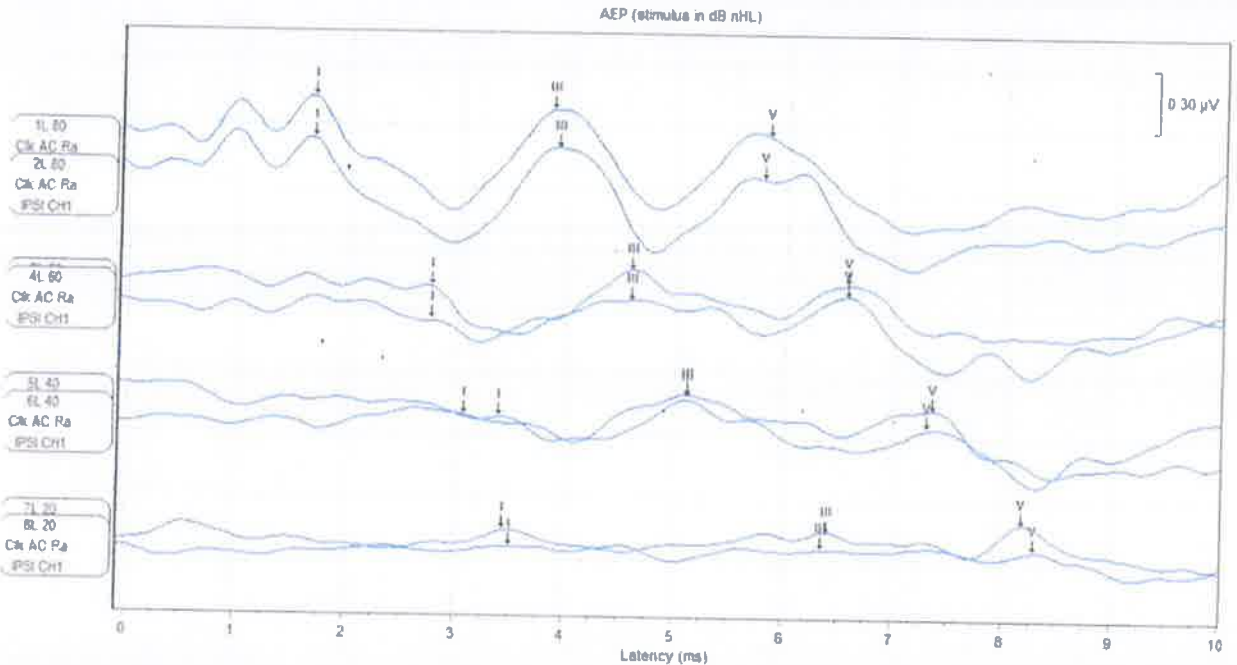
| Stimulus Level | Stimulus Type | Stimulus Rate (sec) | Polarity | Electrodes | Mask Level | Notch Filter (Hz) | Algorithm | * Noise Adj. Sweeps | % Rej. | # of Stimuli |
|----------------|---------------|---------------------|----------|------------|------------|-------------------|-----------|---------------------|--------|--------------|
| | | | | * * | | | | | | |

Rarefac. = Rarefaction % Rej. = Percent Rejected
Using the SOAP-Kalman Weighted algorithm, 2000 "noise adjusted sweeps" is comparable to 2000 "accepted sweeps" used in conventional averaging



AEP Test Results

Patient: Abdulmajed Al-Muzini, Abdulhakeem Date of Birth: 2017-06-06
Patient ID: 2591641 Gender: Male Date of Test: 2022-11-02
AEP GRAPH Examiner:

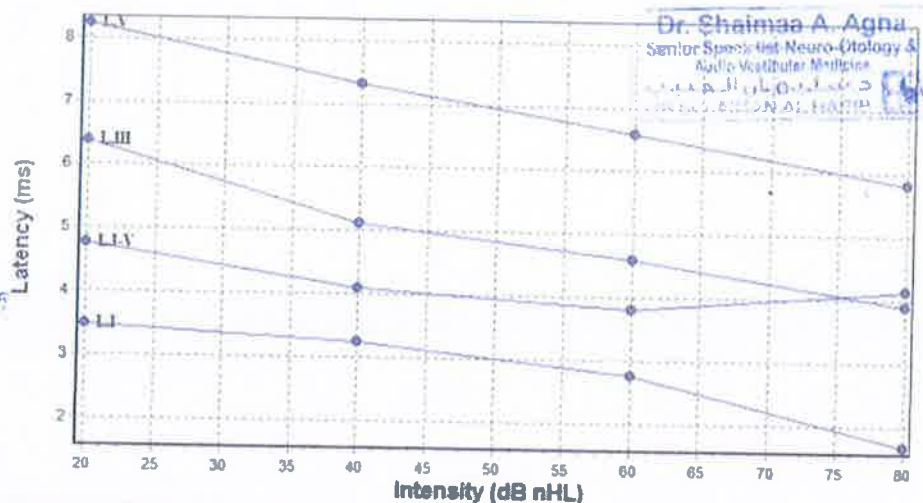


ABR WAVEFORM DATA

| | Corr. Coef. | RN μV | Time (ms) | | | | | | | | | | Amp (μV) | | Ratio | SS | SE |
|------------|-------------|-------|-----------|----|------|----|------|----|-------|------|------|------|----------|------|-------|----|----|
| | | | I | II | III | IV | V | VI | I-III | II-V | I-V | I-II | I-III | I-IV | | | |
| 1 L 80 CH1 | 0.092 | 1.67 | | | 3.86 | | 5.84 | | 2.19 | 1.98 | 4.17 | | | | | | |
| 2 L 80 CH1 | 0.087 | 1.67 | | | 3.91 | | 5.79 | | 2.24 | 1.88 | 4.12 | | | | | | |
| 3 L 60 CH1 | 0.101 | 2.77 | | | 4.59 | | 6.57 | | 1.82 | 1.98 | 3.80 | | | | | | |
| 4 L 60 CH1 | 0.051 | 2.77 | | | 4.59 | | 6.57 | | 1.82 | 1.98 | 3.80 | | | | | | |
| 5 L 40 CH1 | 0.058 | 3.39 | | | 5.11 | | 7.30 | | 1.72 | 2.19 | 3.91 | | | | | | |
| 6 L 40 CH1 | 0.043 | 3.08 | | | 5.11 | | 7.35 | | 2.03 | 2.24 | 4.27 | | | | | | |
| 7 L 20 CH1 | 0.072 | 3.44 | | | 6.41 | | 8.18 | | 2.97 | 1.77 | 4.74 | | | | | | |
| 8 L 20 CH1 | 0.069 | 3.50 | | | 6.36 | | 8.29 | | 2.86 | 1.93 | 4.79 | | | | | | |

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

LATENCY-INTENSITY GRAPH



TEST CONDITIONS

| | Stimulus Level | Stimulus Type | Stimulus Rate (1/sec) | Polarity | Electrodes | Mask Level | Notch Filter (Hz) | Algorithm | * Noise Adj. Sweeps | % Rej. | # of Stimuli |
|------------|----------------|---------------|-----------------------|----------|------------|------------|-------------------|-----------|---------------------|--------|--------------|
| 1 L 80 CH1 | 80 dB nHL | click | 37.7 | Rarefac. | + | | | Avg. | 1024 | 0 | 1024 |

Rarefac = Rarefaction % Rej = Percent Rejected

Using the SOAP-Kalman Weighted algorithm, 2000 "noise adjusted sweeps" is comparable to 2000 "accepted sweeps" used in conventional averaging.



221594120
2591641
ANESTHESIA KARIM ABDUL MJEED A. MUZ
Male - 5 Yr
SHAMMA AHMED SABRY
Dr. Sulaiman Al Habib Medical Group

| ANESTHESIA RECORD | | Procedure(s) | START | END | | | |
|--|------|--|------------|---|--|--|--|
| Date | OR # | Page of | Anesthesia | | | | |
| | | | Surgery | | | | |
| | | | Room Time | | | | |
| PRE-INDUCTION TIME: <input type="checkbox"/> Patient reassessed prior to anesthesia & surgery; surgical site verified - Ready to proceed Pre-procedure vital signs Pulse: 94 Resp: 12 SpO2: 96 BP: 112/72 TEMP: 36.5 Systems on checked: <input type="checkbox"/> CVS <input type="checkbox"/> RS <input type="checkbox"/> CNS Others: <input type="checkbox"/> Consent signed <input type="checkbox"/> Chart reviewed <input type="checkbox"/> Full stomach <input type="checkbox"/> NPO since: <input type="checkbox"/> Full stomach <input type="checkbox"/> Post-operative pain management discussed with patient / guardian, plan of care completed Pre-Anesthetic state: <input type="checkbox"/> Awake <input type="checkbox"/> Anxious <input type="checkbox"/> Uncooperative <input type="checkbox"/> Calm <input type="checkbox"/> Sedated <input type="checkbox"/> Reduced LOC PATIENT SAFETY <input type="checkbox"/> Anesthesia machine checked <input type="checkbox"/> ASA secured on ambu-bag: L O R <input type="checkbox"/> <input type="checkbox"/> Pre-oxygenation checked, padded, monitored <input type="checkbox"/> Eye Cone <input type="checkbox"/> Taped closed <input type="checkbox"/> Intubated <input type="checkbox"/> Prone - no pressure on orbit/nose/ears | | MONITORS AND EQUIPMENT: Status: <input type="checkbox"/> Esophageal <input type="checkbox"/> Precordial <input type="checkbox"/> Suprasternal <input type="checkbox"/> Non-Invasive B/P <input type="checkbox"/> ECG <input type="checkbox"/> Cardiac ECG <input type="checkbox"/> BIS <input type="checkbox"/> Pulse oximeter <input type="checkbox"/> Nerve stimulator <input type="checkbox"/> End tidal CO2 <input type="checkbox"/> Oxygen / FiO2 monitor <input type="checkbox"/> Temp: <input type="checkbox"/> Fluid / Blood warmer <input type="checkbox"/> Body warmer <input type="checkbox"/> Warm blanket <input type="checkbox"/> NG / OG tube Foley: <input type="checkbox"/> OR <input type="checkbox"/> Ward <input type="checkbox"/> Doppler <input type="checkbox"/> Arterial line <input type="checkbox"/> C-line/CVP <input type="checkbox"/> PA line BP: 112/72 | | ANESTHETIC TECHNIQUE: GA Induction: <input type="checkbox"/> Intravenous <input type="checkbox"/> Pre-O2 <input type="checkbox"/> DSI <input type="checkbox"/> Cold pressure <input type="checkbox"/> Inhalation <input type="checkbox"/> IM <input type="checkbox"/> PR GA Maintenance: <input type="checkbox"/> Inhalation <input type="checkbox"/> Inhalation / IV <input type="checkbox"/> GA / Regional combination <input type="checkbox"/> TIVA <input type="checkbox"/> Sedation & Analgesia / Monitored Anesthesia Care Regional: Epidural <input type="checkbox"/> Thoracic <input type="checkbox"/> Lumbar <input type="checkbox"/> Caudal <input type="checkbox"/> SAB <input type="checkbox"/> Axilla <input type="checkbox"/> Femoral <input type="checkbox"/> Axillary <input type="checkbox"/> Interscalene <input type="checkbox"/> CSE <input type="checkbox"/> Bier <input type="checkbox"/> Supracavicular <input type="checkbox"/> Wrist block <input type="checkbox"/> Others: Regional Technique: <input type="checkbox"/> Position <input type="checkbox"/> Prep <input type="checkbox"/> Site <input type="checkbox"/> See remarks <input type="checkbox"/> Local <input type="checkbox"/> Needle <input type="checkbox"/> Local Anesthetic <input type="checkbox"/> Narcotics <input type="checkbox"/> Additive <input type="checkbox"/> Test dose Yes <input type="checkbox"/> Attempts x Catheter: <input type="checkbox"/> Test dose response: cm Skin cm LOR: <input type="checkbox"/> Secured | | AIRWAY MANAGEMENT: <input type="checkbox"/> Oral ETT <input type="checkbox"/> RAE <input type="checkbox"/> Armored ETT <input type="checkbox"/> Nasal ETT <input type="checkbox"/> LMA # <input type="checkbox"/> Stylet <input type="checkbox"/> Classic/Unique <input type="checkbox"/> Fastach <input type="checkbox"/> ProSeal <input type="checkbox"/> OI <input type="checkbox"/> Flexible <input type="checkbox"/> Other: <input type="checkbox"/> Tube size: <input type="checkbox"/> FOB <input type="checkbox"/> Awake <input type="checkbox"/> Blade: <input type="checkbox"/> Bougie <input type="checkbox"/> Attempt x <input type="checkbox"/> OLT <input type="checkbox"/> Grade: I II III IV blind <input type="checkbox"/> Nerve blocks / Topical / <input type="checkbox"/> Automatic intubation <input type="checkbox"/> Nebulizer - See Remarks <input type="checkbox"/> Secured at: cm <input type="checkbox"/> ET CO2 present <input type="checkbox"/> <input type="checkbox"/> Breath sounds - bilateral <input type="checkbox"/> Cuffed min cc pressure <input type="checkbox"/> Uncuffed ETT <input type="checkbox"/> Oral airway <input type="checkbox"/> Nasal airway <input type="checkbox"/> Bite block <input type="checkbox"/> Mask vent: <input type="checkbox"/> Easy <input type="checkbox"/> Head-20 <input type="checkbox"/> Jaw-thrust <input type="checkbox"/> Circuit: <input type="checkbox"/> Circle system <input type="checkbox"/> Bain's <input type="checkbox"/> Jackson rees <input type="checkbox"/> Via tracheotomy / stoma <input type="checkbox"/> Nasal cannula <input type="checkbox"/> Simple O2 mask | |
| AGENTS <input type="checkbox"/> O2 <input type="checkbox"/> N2O <input type="checkbox"/> Sev <input type="checkbox"/> Hal (ET%) <input type="checkbox"/> N2O <input type="checkbox"/> Air (L/min) Oxygen (L/min) Sev (L/min) Hal (L/min) | | FLUIDS Urine (ml) EBL (ml) Gastric (ml) | | TOTALS | | | |

HMG/CIDR23