





















# PEA

AABR, MLR, LLR/CAEP,  
ERP, ECoChG

## APPLICATION CLINIQUE

- Dépistage de l'audition des nouveau-nés (AABR).
- Diagnostic de la maladie de Ménière / hydrops endolymphatique (ECoChG).
- Test objectif de reconnaissance sonore / vocale dans la voie auditive depuis l'oreille jusqu'au cortex avant / après l'appareillage auditif (CAEP, ERP cognitif).

### GAMME COMPLETE DE PEA: DU DEPISTAGE A LA RECHERCHE EN PASSANT PAR LE DIAGNOSTIC

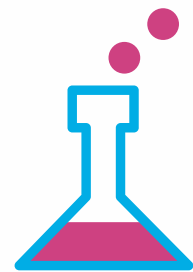
Neuro-Audio can be used to record auditory evoked potentials for newborn hearing screening (AABR) as well as other diagnostic and research purposes. The software includes predefined protocols for all AEP types in order to increase your performance. If you perform AEP research studies, you can fully customize all the hardware and software settings. You are free to experiment!

### AABR: FAST & OBJECTIVE HEARING SCREENING

Just place the electrodes on a patient and start the AABR test. It only takes a few minutes to get simple "Pass"/"Refer" result. The test can be performed for patients of all ages and even when a patient is asleep.

### ECOCHG: CALCULATION OF SP/AP AREA RATIO

Besides SP/AP amplitude ratio calculation, Neuro-Audio software calculates SP/AP area ratio. Just place three markers on the response waveform. The area ratio calculation makes ECoChG significantly more sensitive to diagnose Ménière's disease (according to John Ferraro).



FOR DIAGNOSTICS  
AND RESEARCH



Normal ECoChG response

## CLINICAL APPLICATION

Behavioral pure tone audiometry allows obtaining frequency-specific hearing thresholds (audiograms) for air and bone conduction and also in a sound field. It is used for adults and older children (starting from 5 years of age) who can reliably demonstrate a change in behavior when a test sound is heard.

PTA

- Complies with IEC 60645-1:2012 (Type 4: screening/monitoring) requirements.
- Air and bone conduction testing, testing in a sound field.
- Automatic mode (Hughson & Westlake), manual mode (with mouse and keyboard)
- Contralateral masking noise (white noise)
- Silence mode (audiometric booth is not required)
- High-frequency audiometry (up to 16 kHz) with special headphones

## CLINICAL APPLICATION

- Objective analysis of cochlear function for patients of all ages.
- Newborn hearing screening.

OAE

- Complies with IEC 60645-6:2009 (Type 1: diagnostic/clinical) requirements.
- Full spectrum of OAE tests: from screening to advanced diagnostics.
- DPOAE up to 12 kHz (early objective detection of ototoxic and noise-induced hearing loss).
- Completely automatic test (including probe fitting and in-ear calibration of stimulus).



TEOAE analysis



DPOAE analysis

# NEUROSOFT AUDIOLOGY PRODUCT LINE

## Neuro-Audio



## Audio-SMART



## aScreen



### APPLICATION

Clinical ABR&OAE analyzer

Diagnostic/screening ABR&OAE and middle ear analyzer

OAE screening

### TESTS

ABR, MLR, LLR, ECoChG, VEMP, ASSR, P300, MMN, PTA, TEOAE, DPOAE, SOAE

Tympanometry, AR, AR decay, ETF, TEOAE, DPOAE, ABR

TEOAE, DPOAE

### HARDWARE

PC-based

Portable standalone

Portable smartphone-based



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