Neurosoft

aTYMP

Tympanometer

- Portable middle ear analyzer

- Full battery of acoustic immitance tests

- All needed frequencies of the probe tone (226, 678, 800, 1000 Hz)

- Ipsi- and contralateral acoustic reflexes

- Effective testing of children thanks to different types of acoustic reflex noise stimuli

- Testing of the patients with perforated tympanic membrane (ETF-2)

aTYMP

The aTymp tympanometer is a portable audiometric device intended for diagnostics of the middle ear and tympanic membrane diseases. The aTymp can be used for examination of the auditory analyzer in patients of all ages.
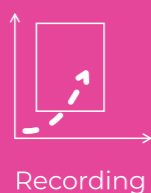
Built-in thermal printer

Probe fitting control LED

5.5 inch touchscreen display

Connector for contralateral earphone

ALL-IN-ONE FOR INSTANT DIAGNOSIS

Recording   Result   Save   Print

ALL ACOUSTIC IMPEDANCE TESTS

TYMPANOMETRY

The aTymp offers 226, 678, 800 and 1000 Hz tympanometry. The 226 Hz probe tone is the standard for conducting tympanometry in adults, while the high-frequency 1000 Hz probe tone enables testing of newborns and infants with developing ears. The system allows for seamless switching between these probe tones and between standard and extended testing ranges during the examination process. Additionally, it allows for recording of up to four tympanograms with distinct settings in a single session. Furthermore, you have the option to select an auto-stop feature. This not only reduces the test time but also ensures that excess pressure is not applied to a healthy ear.
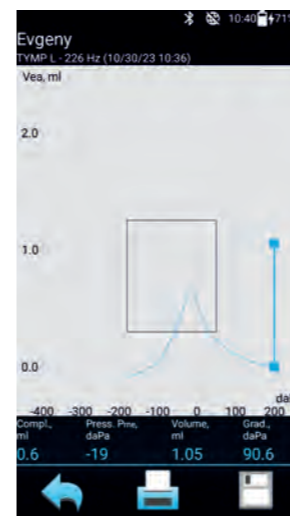
ACOUSTIC REFLEXES

Acoustic reflexes are measured both ipsi- and contralaterally. The Automatic Gain Control function ensures a safe and precise intensity of stimulation, particularly for individuals with smaller ear canals. In the External AR mode, continuous monitoring and recording of changes in middle ear impedance are conducted. This mode enables the recording of acoustic reflexes evoked by an external stimulator and can be synchronized if connected to the aTymp system. This option facilitates the measurement of acoustic reflexes evoked by a cochlear implant.
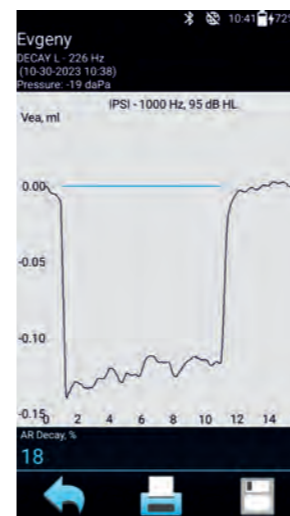
ACOUSTIC REFLEX DECAY

Acoustic reflex decay is defined as a decrease in acoustic reflex contraction during the sustained acoustic stimulation. Reflex decay test can be performed with ipsilateral as well as contralateral stimulation.

EUSTACHIAN TUBE FUNCTION TEST

The Eustachian tube function test is capable of discerning between typical and atypical Eustachian tube system operation. A healthy eardrum can be assessed using this test, which presents three tympanograms on a single screen: one for normal function, another for the Valsalva maneuver, and a third for the Toynbee test. To evaluate a patulous Eustachian tube, you can employ the previously mentioned External AR mode.
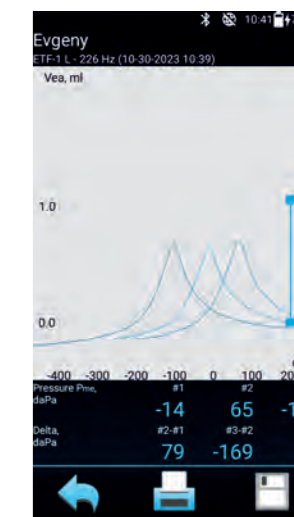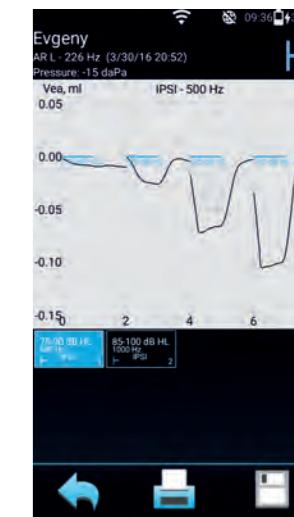
STREAMLINE YOUR WORK.

EMPOWER YOUR PRACTICE.

Connect the aTymp main unit to the PC and you will get a unified workspace for the audiologist. The device is connected to the PC with installed Neuro-Audio.NET software via USB.

Software allows controlling the process of middle ear testing done with the aTymp device.
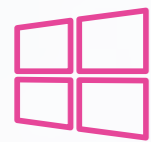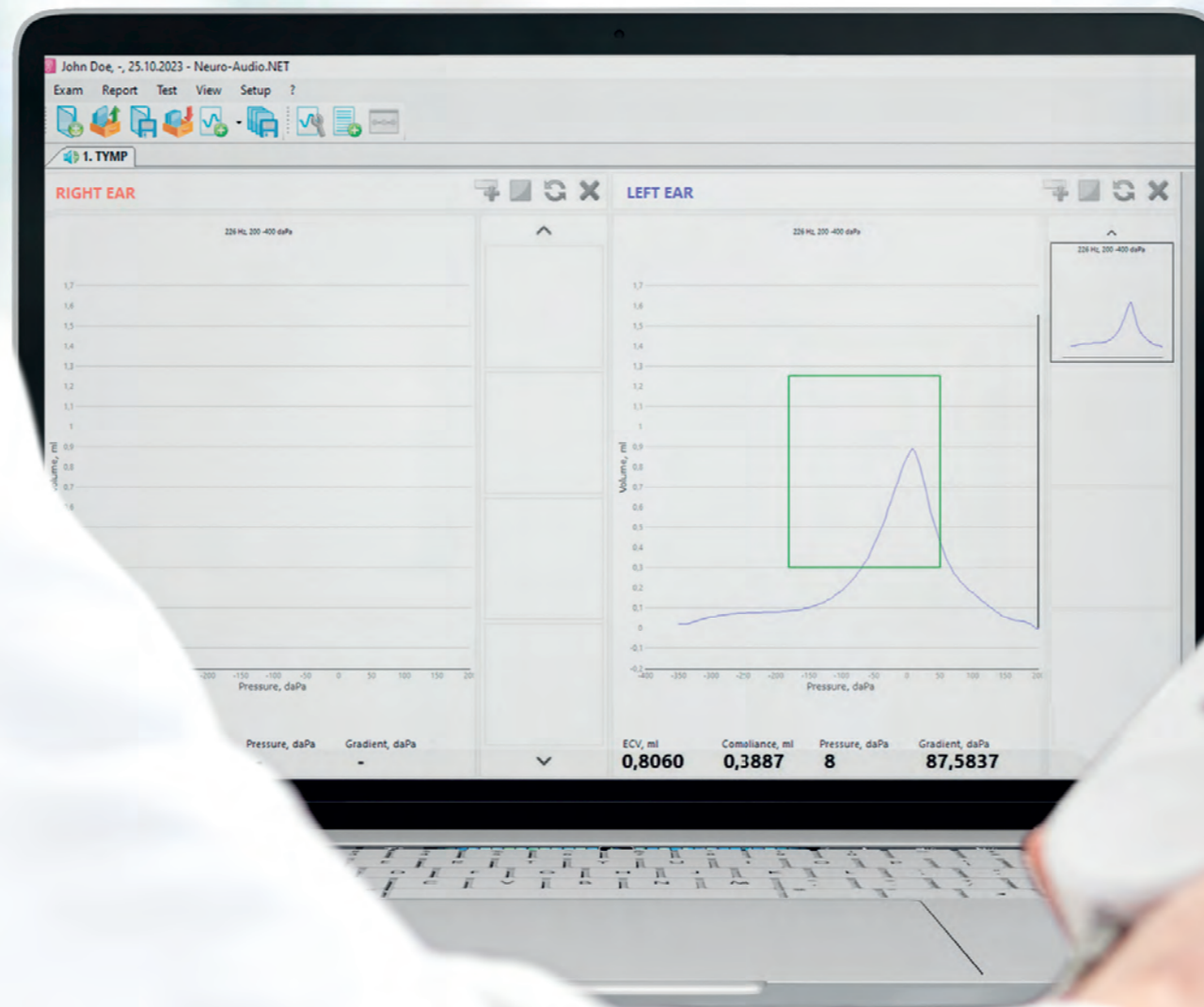
Windows

USB interface

NEURO-AUDIO-SCREEN MANAGER

The package with mobile terminal includes Neuro-Audio-Screen Manager software that allows working on the PC with the database of exams performed with the aTymp system:

• all patients and exams are in one database;
• flexible search options;
• automatic data backup;
• recycle bin for secure removal of patients and exams;
• integration with Electronic Medical Record Systems (EMR), using GDT format.

MODULAR DESIGN

The aTymp can be easily customized to fit your requirements. Start your work with a minimum set of techniques, if necessary, expand the tympanometer functionality to a clinical version; there is no need to buy a new device.

	Screening version	Diagnostic version	Clinical version
Tympanometry	+	+	+
226, 678, 800, 1000 Hz	+	+	+
Acoustic reflexes ipsi	+	+	+
Acoustic reflexes contra		+	+
Acoustic reflex decay ipsi, contra			+
ETF		+	+
ETF-2			+

DATA DOWNLOADING VIA BLUETOOTH
OR FROM MICRO SD CARD

UPLOADING PATIENT LISTS

PRINTING OF REPORTS

DATA EXPORT TO JSON, CSV

REVIEW OF EXAM RESULTS

Bluetooth interface for data export to computer

ACCESSORIES

| Contralateral headphone | Holder | Shoulder harness for impedance unit | Probe tip extractor | Set of eartips | OAE probe tip |

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, multi-ASSR, P300, MMN, TEOAE, DPOAE	Tympanometry, AR, AR decay, ETF, TEOAE, DPOAE, AABR, ABR	TEOAE, DPOAE
HARDWARE	PC-based	Portable standalone	Portable system based on an Android device

Neurosoft

Up to 2 year warranty

24/7 customer support

Software updates

Educational videos