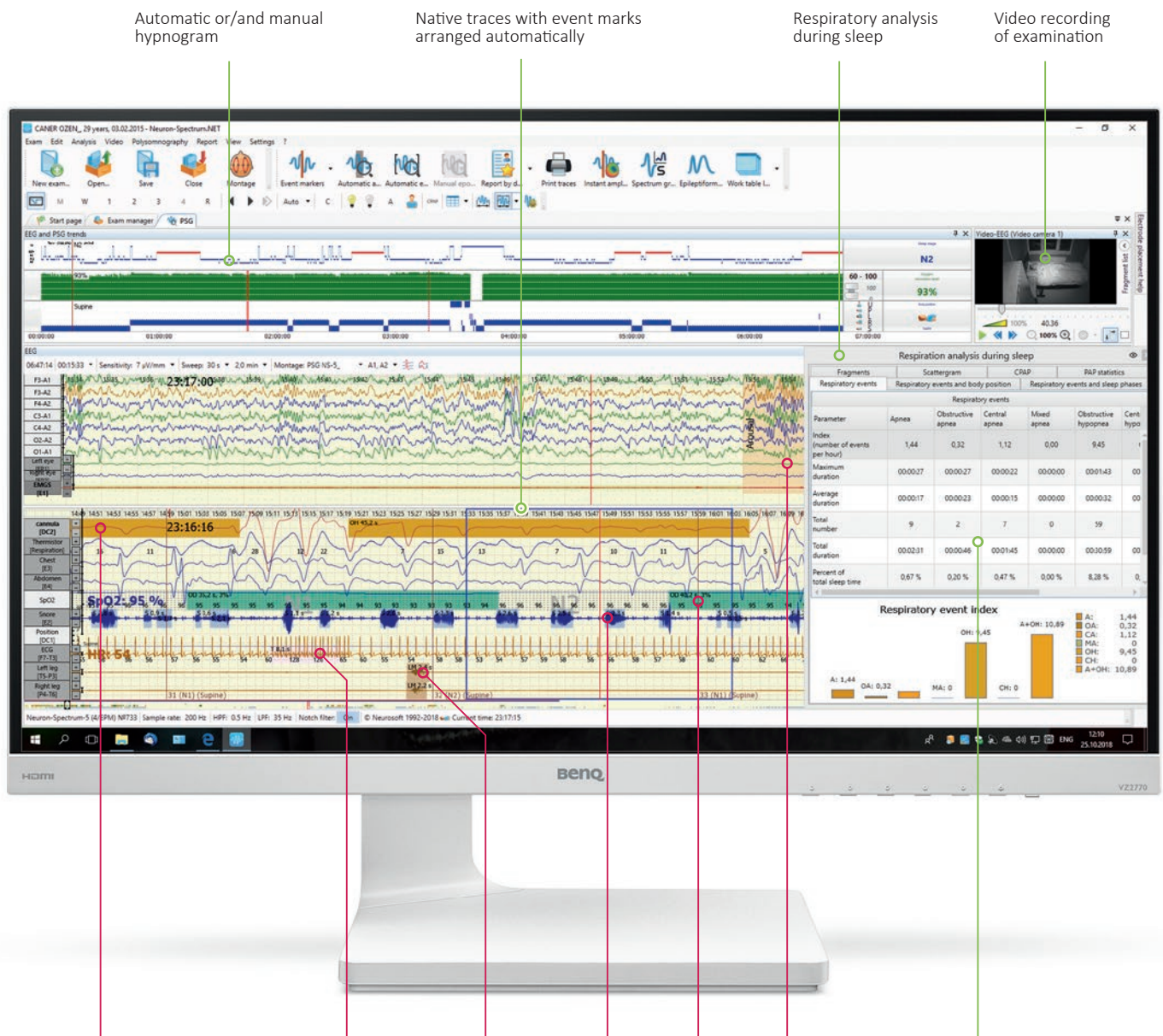


# NEURON-SPECTRUM.NET/PSG

Neuron-Spectrum-4/PSG is delivered with powerful Neuron-Spectrum.NET software which is ideal for all PSG study types ranging from home sleep apnea testing to more complex studies with additional EEG channels. The recommended workflow, automatic scorings and calculated indices meet the AASM guidelines that provide comprehensive recommendations for evaluation, diagnosis, treatment and follow-up of patients with sleep disorders.

The flexible Neuron-Spectrum.NET software is an essential tool that makes your workflow more efficient. Now, PSG records can be interpreted at least in half the time and user-friendly interface provides quick and easy access to any function of the software.



Respiratory event  
(apnea and hypopnea)

Cardiac event (tachycardia,  
bradycardia, asystole)

Limb  
movement

Snore

Desaturation

Arousal

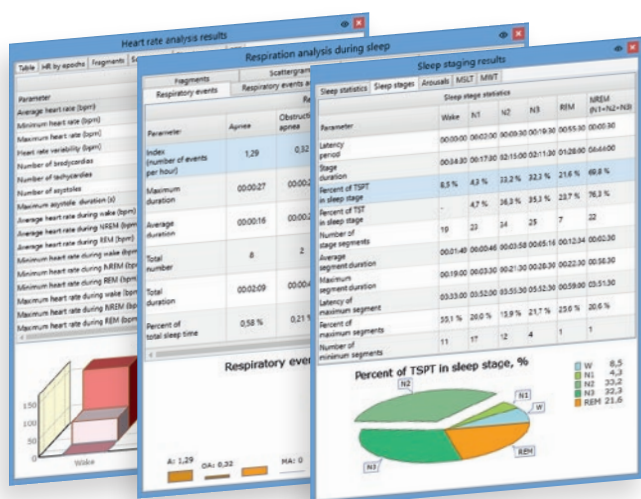
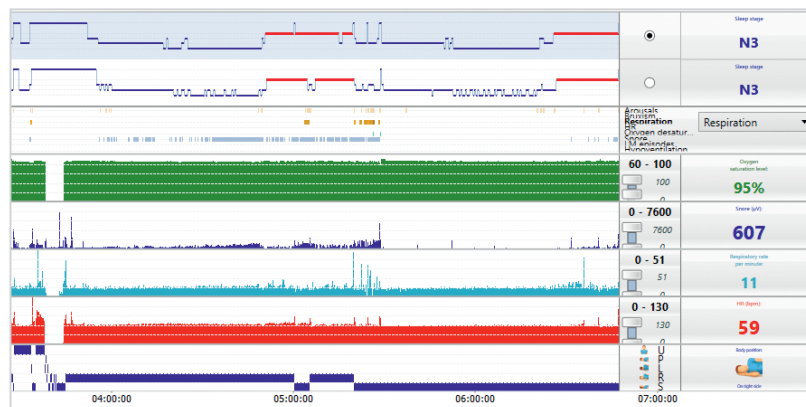
Respiratory analysis depending  
on sleep stage, body position,  
CPAP pressure, etc.

## PSG EVENTS

Besides conventional sleep stage analysis, the software has integrated multiple sleep latency test (MSLT) and maintenance of wakefulness test (MWT).

Helpful feature of our software is automatic sleep staging during the recording.

PSG trends allow monitoring the changes of specified values during the acquisition. The trends of all recorded parameters can be displayed — SpO<sub>2</sub>, respiratory rate, thoracic and abdominal respiratory efforts, heart rate, snoring, arterial blood pressure, etc. Rightward the trend the information panel with the current parameter value is displayed. Use this panel during the acquisition and viewing of the examination.



The analysis of sleep stages, respiratory events, desaturation, heart rate, snore, body position, limb movements and hypoventilation during sleep is performed automatically. The results of analysis are clearly and conveniently displayed in tables and graphs.

You can generate PSG reports the way you want to see them. The report can include information on a patient and medical facility and also the detailed analysis of obtained PSG data (hypnogram, analysis of sleep stages, SpO<sub>2</sub> and body position trends, indices and other calculated values for apnea, hypopnea, RERA, desaturation, snore, etc.).

Using a flexible report editor a specialist can create configurable templates and select a specific report for each type of PSG study.

