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Snorlex

SpO₂.% 97
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Respiratory polygraph for diagnostics of sleep-related breathing disorders

SNORLEX

- **diagnostics of obstructive sleep apnea in patients with high pre-test probability**

- **home sleep apnea testing**

- **easily fixed by the patient at home without any assistance**

- **automatic analysis of the obtained data**

- **automatically generated test report**

Obstructive sleep apnea (OSA) is one of the most common sleep-related breathing disorders. About 4% of men and 2% of women over 20 years are diagnosed with OSA of different severity, and the risk of OSA significantly increases with age.

The significant problem here is that most patients with sleep- related breathing disorders do not undergo the diagnostic testing and go on with the non-resolved health issue, which affects their health as well as duration and quality of life.

A new respiratory polygraph, Snorlex allows for diagnostics of sleep-related breathing disorders using the simplified technique. The patients can fix the sensors themselves and perform the in-home testing, which provides unconditional comfort and is cost-effective if compared with the comprehensive polysomnography testing.

Snorlex — respiratory polygraph for screening and diagnostics of sleep-related breathing disorders.

Computer-based pulse oximeter (Type IV*)

RECORDED PARAMETERS:

– heart rate
– sleep-wake detection**
– arterial oxygen saturation (SpO_2)

TEST RESULT:

Oxygen desaturation index is calculated. If it is high, the patient is administered an additional test — respiratory polygraphy or polysomnography.

Respiratory polygraph without respiratory effort monitoring (Type IV*)

RECORDED PARAMETERS:

– heart rate
– sleep-wake detection**
– nasal airflow
– arterial oxygen saturation (SpO_2)
– snoring

TEST RESULT:

OSA is diagnosed with high probability; its severity is evaluated based on the apnea-hypopnea index. Sleep is automatically detected based on actigraphy. All values are calculated considering total sleep time.

Respiratory polygraph with respiratory effort monitoring (Type III*)

RECORDED PARAMETERS:

– heart rate
– sleep-wake detection**
– nasal airflow
– body position
– abdomen and thoracic respiratory efforts
– arterial oxygen saturation (SpO_2)
– snoring

TEST RESULT:

Obstructive and central sleep apnea is diagnosed; its severity is evaluated based on the apnea-hypopnea index. Oxygen desaturation index as well as the number of central and obstructive apnea episodes is calculated depending on the body position and some other parameters required for making the diagnosis and deciding on the treatment strategy. All values are calculated considering total sleep time determined based on actigraphy.

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* according to the American Academy of Sleep Medicine (AASM)
** based on actigraphy