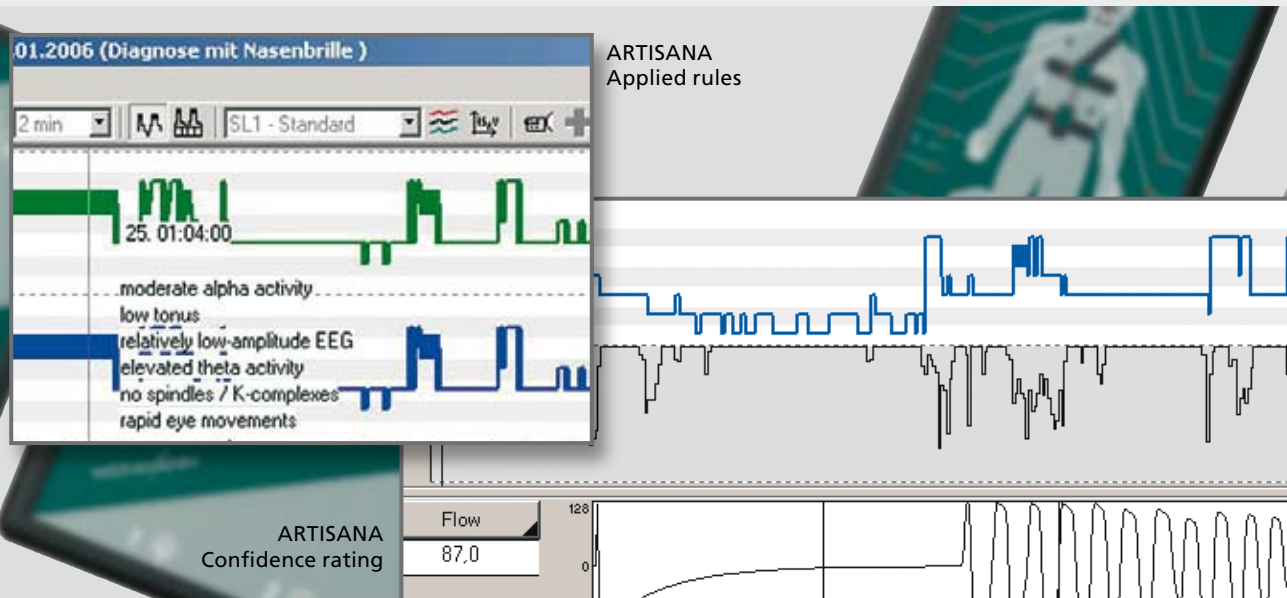


ARTISANA

Professional Support of your Analysis – in your SOMNOlab System

When you analyze your recordings with the new sleep apnea software ARTISANA, you'll get an analysis of the very highest quality. A multi-center study¹ conducted in six renowned European sleep labs has validated this claim.



Multi-center Study

The multi-center study proves that ARTISANA analyzes your recordings with quality comparable to that found in leading European (Barcelona, Berlin, Grenoble, Göteborg, Palermo, Turku) sleep labs.

ARTISANA stands for Artificial Intelligence in Sleep Analysis, software based on the technology of neuronal networks. In cooperation with leading sleep medicine experts, ARTISANA was "trained" and validated.

Because ARTISANA mimics human processing, it can also be "sure" or "unsure" with regard to its analyses.

The software passes its self-evaluation – which we call the "confidence line" – to the user, who can then concentrate on the phases of a recording in which the system was "unsure". ARTISANA may be unsure of its results if, for example, artefacts influence the signals.

ARTISANA lets the user see and understand why it decided on one sleep stage or another. The user can follow the software's reasoning – or correct the decision if he draws a different conclusion from the raw data.

The new sleep apnea software ARTISANA is available from autumn 2007 as a component of the Weinmann PSG system software SOMNOlab in its newest version 2.01.

¹ Quelle Poster ERS 2005, Kopenhagen:

M. Schwaibold, Th. Ploch, W. Cassel, I. Th. Penzel, H.-F. Becker.

Multicenter Study on the Variability of the Sleep Stage

Scoring Algorithm ARTISANA Compared to Human Experts
– Part II: Validation Phase, Abstract ERS, 114s, P793, 2005

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