Sleep EEG Analysis & Neuro-Biofeedback ELECTRONIC PRESS KIT

http://hypnodynecorp.com/
ZMax overview

- Revolutionary new sleep analysis and neuro-biofeedback device
- Multi-sensor device with reusable EEG technology
- Only sleep wearable designed for accuracy & sleep research

How it can be used

- Easy setup for a mobile sleep clinic or sleep coach for around $1000 with only modest training to help in rural communities and emerging markets
- Monitor sleep apnea, insomnia, sleep paralysis and other sleep disorders remotely for patients

Features

- Capture sleep data from anywhere - at home or while traveling
- Small, portable, and comfortable headset
- Simple to use and start recording without any assistance

Benefits

- Slash facility and labor costs associated with traditional sleep studies while increasing accuracy
- Capture & analyze data with the same software
- Reduce the need for trained medical personnel while increasing productivity

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Easy EEG Monitoring

- Quick and easy one button setup - anyone can do it!
- Automated AI scoring on PC, Android, and iPhone
- Store hundreds of nights of data on your computer

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AI SLEEP REPORT GENERATION

Sample report

Time at lights off: 11:56:10 AM
Time at lights on: 7:30:10 PM
Total Dark Time (TDT): 454.0 min.
Total Recording Time (TRT): 454.5 min.
Sleep Period Time (SPT): 435.5 min.
Total Sleep Time (TST): 401.0 min.
Sleep Efficiency(SE): 88.22%

Sleep Onset
Number of Stage Shifts: 107
Number of Awakenings: 34
REM Latency: 72.5 min.
Sleep Onset Latency (SOL): 18.0 min.

Sleep Stages
REM (53.0 min.) 12.2%
N1 (10.5 min.) 3.0%
N2 (90.5 min.) 31.1%
N3 (39.3 min.) 15.3%

Sleep/Wake (after onset)
REM (53.0 min.) 8.1%
N1 (10.5 min.) 3.0%
N2 (90.5 min.) 31.1%
N3 (39.3 min.) 15.3%
Wake (55.5 min.) 19.0%

Position
Upright (51.5 min.) 42.5%
Face up (11.0 min.) 3.0%
Left (15.0 min.) 11.7%
Right (65.5 min.) 49.0%

Arousal

Sound

Light
NEURO-BIOFEEDBACK

• Neuro-biofeedback is biofeedback using EEG
• Monitor your breathing, heart rate, facial muscle tension, and brain activity
• Research on biofeedback has demonstrated that it's an effective way to reduce anxiety, chronic pain, headaches, stress, insomnia, high blood pressure and traumatic brain injury*

* References


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Automatically detects REM sleep
Deliver stimulus at the right time to steer your dreams with auditory and tactile dream cues
Connect with any IoT device to personalize your experience
Enable P2P studies of lucid dreaming
Expandable through scripting platform

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“We are ZMax in several ongoing projects at Stockholm University and Karolinska Institutet. “

“ZMax is the clear leader in the field of sleep trackers. Having such a device will allow easier and more accurate longitudinal studies on sleep, an area that is currently under-researched”

“From a user perspective ZMax is easy to apply and use and very comfortable to wear. All other EEG-based sleep systems I have tried before the ZMax were not practical enough to use on a daily basis, whilst the ZMax is.”
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