Hypnodyne Zmax

Sleep EEG Analysis & Neuro-Biofeedback

ELECTRONIC PRESS KIT

http://hypnodyncorp.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

http://hypnodyneecorp.com/
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

http://hypnodyneecorp.com/
### AI SLEEP REPORT GENERATION

**Sample report**

<table>
<thead>
<tr>
<th>Time at lights off:</th>
<th>11:56:10 AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time at lights on:</td>
<td>7:30:10 PM</td>
</tr>
<tr>
<td>Total Dark Time (TOT):</td>
<td>454.0 min.</td>
</tr>
<tr>
<td>Total Recording Time (TRT):</td>
<td>454.5 min.</td>
</tr>
<tr>
<td>Sleep Period Time (SPT):</td>
<td>435.5 min.</td>
</tr>
<tr>
<td>Total Sleep Time (TST):</td>
<td>401.0 min.</td>
</tr>
<tr>
<td>Sleep Efficiency(SE):</td>
<td>88.22</td>
</tr>
</tbody>
</table>

**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 (5:00 min.):
  - 12.2%
- N1 (7.5 min.):
  - 10%
- N2 (243.5 min.):
  - 31.4%
- N3 (65.5 min.):
  - 13.5%

**Sleep/Wake (after onset)**
- WAKE (50.5 min.):
  - 8.1%
- SLEEP (400.5 min.):
  - 91.0%

**Position**
- Upright (51 min.):
  - 7.5%
- Face up (111.1 min.):
  - 10%
- Right (811 min.):
  - 11.7%
- Left (160.0 min.):
  - 18.0%

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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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LUCID DREAMING

• 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

http://hypnodynecorp.com/
“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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