# Sleep Cardiopulmonary Coupling Analysis

## Patient and Study Information

| | | | | | |
|---|---|---|---|---|---|
| **Patient ID:** | HJ.97005-1 | | | **Study Date:** | 10/16/2008 |
| **Name:** | Lin-Wu-Xiong | **Sex:** | Male | **Date of Birth:** | 12/05/1941 |
| **BMI:** | N/A | **PSQI Score (6):** | N/A | **ECG Data Reliability:** | 100% |
| **ESS Score (10):** | N/A | **CHQ (4):** | N/A | **RLS Items:** | N/A |
| **Sleep quality of study night:** | Good | | **Wake/stay up for more than 30 minutes** | | NO |
| **Bed Time:** | 23:30:00 | **Wake-Up Time:** | 07:55:00 | **Total Sleep Time (TST):** | 8 Hours 25 Minutes |

## Study Summary

**Sleep Onset**: 1 Hours 10 Minutes

| Sleep Apnea Detection | Index | Proportion to TST | Apnea Severity Reference |
|---|---|---|---|
| Estimated AHI using Cardiopulmonary Coupling Analysis (AHI/CPC) | 3.8 (/Hour) | 15% | Normal - AHI/CPC 0~5<br>Mild - AHI/CPC 5~15<br>Moderate - AHI/CPC 15~30<br>Severe - AHI/CPC >=30 |
| Central | N/A | 3% | N/A |
| Obstructive | N/A | 12% | N/A |

| Sleep Quality Evaluation | Duration Time | Proportion to TST | Healthy Performance Reference |
|---|---|---|---|
| Stable Stage | 3 Hours 47 Minutes | 45.0% | Above 41.4% |
| Unstable Stage | 2 Hours 16 Minutes | 27.0% | Below 45.5% |
| Paradoxical Stage | 2 Hours 26 Minutes | 29.0% | Below 25.8% |

## Whole Night Sleep Status Diagram



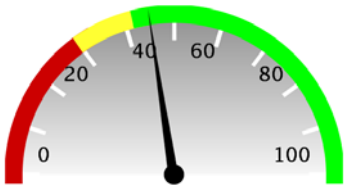Stable Stage | Unstable Stage | Paradoxical Stage | Apnea Alike | Unknown

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23:30 | 00:30 | 01:30 | 02:30 | 03:30 | 04:30 | 05:30 | 06:30 | 07:30
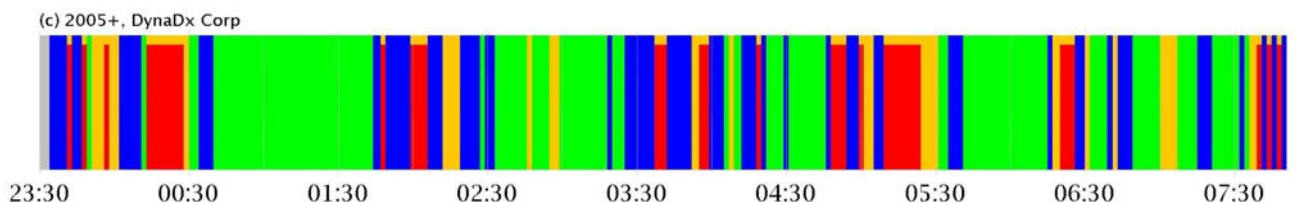
## Sleep Status Statistical Analysis

| | Good | | Fair | | Poor |
|---|---|---|---|---|---|

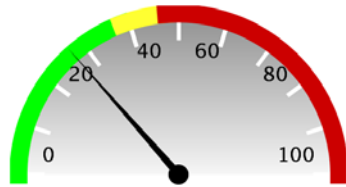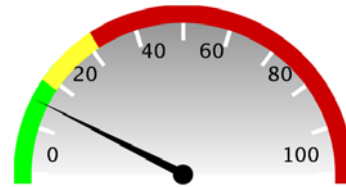**45 %**   (c) 2005+, DynaDx Corp

**27 %**   (c) 2005+, DynaDx Corp

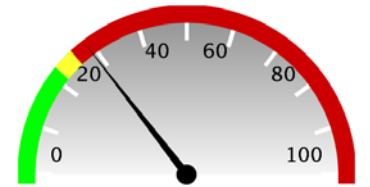**15 %**   (c) 2005+, DynaDx Corp

**29 %**   (c) 2005+, DynaDx Corp

Stable Stage          Unstable Stage          Apnea Alike          Paradoxical Stage