

Overnight Oximetry (Masimo) Interpretation Checklist

Study Demographics & Indication

- Patient's **name** reviewed.
 - Date** of study reviewed.
 - Indication** of study reviewed.
 - What is the **indication** of the study?
 - Assessment for long-term O2 therapy qualification.
 - Investigating suspected sleep-disordered breathing.
 - Assessment of safety of discharge or discontinuation of O2.
 - Assessment of response to surgical intervention for OSA.
- Patient is **NOT** on **O2**.
 - Patient is **ON O2**; how much? _____

Study Metrics & Signal Quality

- Recording time** (particularly total valid sampling) reviewed.
- Program parameters** (desaturation definition, sampling time, averaging time) reviewed.
- Artifacts** reviewed.
- Overnight oximetry **log** reviewed.

SpO2 & HR Average & Baseline

- Average** SpO2 and HR reviewed.
- Baseline** SpO2 and HR reviewed.

Characteristics of Desaturations & HR Changes

SpO2 graph:

- Correlation of desaturations with **artifacts** reviewed.
- Severity** of desaturations reviewed (deepest desaturation, longest desaturation).
- Frequency** of desaturations reviewed (number of desaturations).
- Pattern** of desaturations reviewed:
 - Continuous desaturation (baseline desaturation).
 - Intermittent desaturation (clustered, scattered or both).

HR graph:

- HR correlation** with desaturations reviewed.

Desaturation index (number of desaturations/hour):

- Desaturation index** reviewed (*> 10 desaturations/hr → abnormal*).

Duration of time and percentage of time below a specific saturation:

- Duration of time and percentage of time** below a specific saturation reviewed.

Conclusion:

- NORMAL study.**
- INCONCLUSIVE study.**
- Evidence of BASELINE desaturation.**
- Evidence of OSA.**
- Evidence of CSA.**
- Evidence of MIXED sleep apnea.**