

## Heart Rate Variability (HRV) Analysis

**Patient Name:**

**Gender:**

**Age:**

**Clinic Name:** Q-Point: Lotus Multispecialty Hospital

**Patient ID:**

**Report Date:**

### HRV Metrics

Metric	Value	Visualization	Interpretation
Mean RR (ms)	797.44		Indicates a healthy heart rate.
RMSSD (ms)	126.05		Strong vagal tone
SDNN (ms)	99.98		Good balance
PNN50 (%)	10.03		Indicates moderate adaptability.
PNN20 (%)	49.86		Reflects mild reductions in adaptability.
LF Power (ms <sup>2</sup> )	9864.41		Increased sympathetic drive.
HF Power (ms <sup>2</sup> )	7097.08		Increased sympathetic drive.
LF/HF Ratio	1.39		Balanced sympathetic and parasympathetic activity.
Stress Score	21.00		Normal Stress Response

**Heart Rate Variability: Healthy HRV**

**Follow-Up Recommendation:** Based on Residual Stress Response score, Follow up HRV Study recommended after 12 months.

## Reference Ranges

Metric	Reference Range
Mean RR (ms)	785–1160 ms
SDNN (ms)	>50 Normal, 27-50 Moderate, <27 Low
RMSSD (ms)	>40 Optimal, 15.7–40 Moderate, <15.7 Low
PNN50 (%)	>20 Optimal, 1–20 Reduced, <1 Abnormal
PNN20 (%)	>50 Optimal, 30–50 Moderate, <30 Low
LF Power	193–1009 ms <sup>2</sup> Normal, <193 ms <sup>2</sup> Reduced, >1009 ms <sup>2</sup> Increased
HF Power	86–3630 ms <sup>2</sup> Normal, <86 ms <sup>2</sup> Reduced, >3630 ms <sup>2</sup> Increased
LF/HF Ratio	1.1–3.0 Normal, >3.0 Sympathetic Dominance, <1.1 Parasympathetic Dominance
Residual Stress Score	<40 Healthy HRV, 41–55 Mildly Reduced HRV, 56–70 Moderately Reduced HRV, 71–85 Severely Reduced HRV, >85 Severely Reduced HRV

## References

- (1) Voss A, Schroeder R, Heitmann A, Peters A, Perz S. Short-Term Heart Rate Variability - Influence of Gender and Age in Healthy Subjects. PLoS One. 2013; 8(3): e58300.
- (2) Nunan D, Sandercock GR, Brodie DA. A Quantitative Systematic Review of Normal Values for Short-Term Heart Rate Variability in Healthy Adults. Pacing Clin Electrophysiol. 2009 Mar;32(3):332-41.