Name: Umesh K T Age/Sex: 33 Yrs/ M

Date: 3rd May 2016 Time: 9:20 AM

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**RESTING HEART RATE VARIABILITY REPORT\***

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Observed value** | **Normal value** |
| SDNN (in ms) | 48.9 | 141±39 |
| RMSSD (in ms) | 29.4 | 27±12 |
| Total Power (in ms2) | 2773 | 3466±1018 |
| Low frequency power (in ms2) | 336.7 | 1170±416 |
| High frequency power (in ms2) | 247.9 | 975±203 |
| Low frequency (normalized units) | 55.7 | 54±4 |
| High frequency (normalized units) | 41.0 | 29±3 |
| LF/HF ratio | 1.35 | 0.5-1.5 |

##### **CONVENTIONAL CARDIAC AUTONOMIC FUNCTION TEST REPORT**

##### **(In Response to Physiological Stressors) \*\***

|  |  |  |
| --- | --- | --- |
| **Parameters/tests** | **Observed value** | **Normal range** |
| Deep breathing difference | 29.6 | >15 |
| Valsalva ratio | 1.40 | >1.21 |
| Max: min ratio (orthostatic test) | 1.39 | >1.04 |
| Δ ↑DP (isometric handgrip test) (mmHg) | 11 | >15 |
| Δ ↓SP (orthostatic test) (mmHg) | Increased by 13 | <10 |

**Comments:**

1. The resting average HR was 80 BPM.
2. The resting BP was 123/80mm of Hg.
3. Respiratory sinus arrhythmia was ***adequate*** during deep breathing test.
4. Valsalva ratio was ***adequate***.
5. During isometric hand grip test BP basal 126/82 mm of Hg, BP after 2 min 139/93 mm of Hg
6. Blood pressure and Heart rate changes during Orthostatic test:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SBP (in mm of Hg)** | **DBP (in mm of Hg)** | **HR (per min)** |
| Basal | 122 | 81 | 80 |
| Immediately after standing | 140 | 97 | 123 |
| 1 min after standing | 146 | 92 | 88 |
| 2 min after standing | 135 | 96 | 79 |
| 5 min after standing | 135 | 91 | 89 |

1. No postural symptoms were reported by the subject.

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**TILT TABLE TEST REPORT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time(minutes)** | **SBP(mm of Hg)** | **DBP(mm of Hg)** | **HR(BPM)** |
| Basal | 129 | 85 | 78 |
| TILTED | | | |
| Immediately after tilt | 130 | 87 | 85 |
| 1min | 133 | 96 | 83 |
| 2 min | 132 | 95 | 86 |
| 3 min | 131 | 90 | 90 |
| 4 min | 139 | 93 | 96 |
| 5 min | 133 | 96 | 88 |
| 7min | 132 | 95 | 90 |
| 10 min | 129 | 93 | 96 |
| 12 min | 127 | 93 | 93 |
| 15 min | 131 | 90 | 98 |
| 18 min | 139 | 94 | 95 |
| 20 min | 121 | 82 | 96 |
| TILTED BACK | | | |
| Immediately | 139 | 87 | 93 |
| 1 min | 127 | 83 | 80 |
| 2 min | 128 | 85 | 67 |
| 5 min | 126 | 80 | 63 |

**Comments:**

Subject was hemodynamically stable during tilt table test. Subject did not report of any postural symptoms during tilt table test.

**IMPRESSION:**

* Resting HRV parameters show ***normal*** ***total power with maintained sympathovagal balance.***
* Conventional Cardiac Autonomic Function Test (In Response to Physiological Stressors) shows ***Normal Cardiac Autonomic function.***
* Tilt Table Test: **NEGATIVE**
* Kindly correlate clinically.