Name: G Yashwanth Age/Sex: 27 Yrs M

Date: 17th March 2016 Time: 2 PM

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**RESTING HEART RATE VARIABILITY REPORT\***

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Observed value** | **Normal value** |
| SDNN (in ms) | 52 | 141±39 |
| RMSSD (in ms) | 56 | 27±12 |
| Total Power (in ms2) | 2237 | 3466±1018 |
| Low frequency power (in ms2) | 893 | 1170±416 |
| High frequency power (in ms2) | 812 | 975±203 |
| Low frequency (normalized units) | 52 | 54±4 |
| High frequency (normalized units) | 47 | 29±3 |
| LF/HF ratio | 1.10 | 0.5-1.5 |

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

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

|  |  |  |
| --- | --- | --- |
| **Parameters/tests** | **Observed value** | **Normal range** |
| Deep breathing difference | 31 | >15 |
| Valsalva ratio | 1.35 | >1.21 |
| Max: min ratio (orthostatic test) | 1.63 | >1.04 |
| Δ ↑DP (isometric handgrip test) (mmHg) | 9 | >15 |
| Δ ↓SP (orthostatic test) (mmHg) | Increased by 7 | <10 |

**Comments:**

1. The resting average HR was 65 BPM.
2. The resting BP was 115/78 mm 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 115/79 mm of Hg, BP after 2 min 129/88 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 | 117 | 73 | 61 |
| Immediately after standing | 129 | 87 | 90 |
| 1 min after standing | 125 | 85 | 67 |
| 2 min after standing | 124 | 88 | 61 |
| 5 min after standing | 130 | 91 | 64 |

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 | 115 | 73 | 58 |
| TILTED | | | |
| Immediately after tilt | 117 | 84 | 59 |
| 1min | 114 | 80 | 60 |
| 2 min | 114 | 82 | 72 |
| 3 min | 117 | 83 | 69 |
| 4 min | 118 | 84 | 60 |
| 5 min | 118 | 80 | 60 |
| 7min | 119 | 82 | 68 |
| 10 min | 123 | 83 | 69 |
| 12 min | 122 | 85 | 61 |
| 15 min | 123 | 83 | 65 |
| 18 min | 127 | 85 | 63 |
| 20 min | 124 | 86 | 67 |
| TILTED BACK | | | |
| Immediately | 117 | 72 | 76 |
| 1 min | 117 | 74 | 72 |
| 2 min | 118 | 77 | 70 |
| 5 min | 123 | 82 | 66 |

**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