Name: Suharabi Age/Sex: 28 Yrs/ F

Date: 12 January 2016 Time: 11:00 am

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**RESTING HEART RATE VARIABILITY REPORT\***

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Observed value** | **Normal value** |
| SDNN (in ms) | 43 | 141±39 |
| RMSSD (in ms) | 50 | 27±12 |
| Total Power (in ms2) | 1798 | 3466±1018 |
| Low frequency power (in ms2) | 207 | 1170±416 |
| High frequency power (in ms2) | 1176 | 975±203 |
| Low frequency (normalized units) | 14 | 54±4 |
| High frequency (normalized units) | 82 | 29±3 |
| LF/HF ratio | 0.17 | 0.5-1.5 |

##### **CARDIAC AUTONOMIC FUNCTION REPORT**

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

|  |  |  |
| --- | --- | --- |
| **Parameters/tests** | **Observed value** | **Normal range** |
| Deep breathing difference | 19 | >15 |
| Valsalva ratio | 1.23 | >1.21 |
| 30:15 ratio (orthostatic test) | 1.08 | >1.04 |
| Δ ↑DP (isometric handgrip test) (mmHg) | 06 | >15 |
| Δ ↓SP (orthostatic test) (mmHg) | 07 | <10 |

**Comments:**

1. The resting average HR was 69 BPM.
2. The resting BP was 115/85 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 120/83 mm of Hg, BP after 2 min 121/89 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 | 110 | 78 | 80 |
| Immediately after standing | 103 | 73 | 86 |
| 1 min after standing | 105 | 77 | 85 |
| 2 min after standing | 103 | 75 | 84 |
| 5 min after standing | 98 | 71 | 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 | 116 | 86 | 70 |
| TILTED | | | |
| Immediately after tilt | 121 | 84 | 73 |
| 1min | 111 | 81 | 76 |
| 2 min | 102 | 76 | 87 |
| 3 min | 103 | 75 | 80 |
| 4 min | 100 | 73 | 83 |
| 5 min | 99 | 70 | 92 |
| 7min | 104 | 72 | 87 |
| 10 min | 99 | 71 | 88 |
| 12 min | 97 | 69 | 89 |
| 15 min | 99 | 68 | 92 |
| 18 min | 98 | 69 | 88 |
| 20 min | 93 | 67 | 86 |
| TILTED BACK | | | |
| Immediately | 102 | 77 | 70 |
| 1 min | 114 | 81 | 71 |
| 2 min | 108 | 71 | 68 |
| 5 min | 107 | 76 | 62 |

**Comments:**

Subject was hemodynamically stable during tilt table test.

**IMPRESSION:**

* HRV parameters show ***reduced total power***.
* Conventional test shows ***Normal cardiac autonomic function***.
* Tilt Table Test: **NEGATIVE**
* **Kindly correlate clinically.**