|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Levothyroxine group | Placebo group | p |
| Female |  | 5 (11%) | 5 (10%) | 0.900 |
| Age (Years) |  | 33.9±13.06 | 35.9±11.06 | 0.412 |
| BMI (Kg/m2) |  | 26.7±5.4 | 28.5±5.9 | 0.111 |
| Education | *K-12* | 75.60% | 81.20% | 0.521 |
|  | *Collage* | 22.20% | 19.80% |
|  | *Academic* | 2.20% | 0 |
| Smoking |  | 6.70% | 2.10% | 0.472 |

Table 1: demographic data of patients according to their groups; as seen, no significant difference was found.(BMI: body mass index)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Levothyroxine group | | | Placebo Group | | | Changes between groups pπ |
|  | before | after | P\* | before | after | P\* |  |
| TG | 121.2±59.9 | 124.4±60.5 | 0.39 | 134.8±68.4 | 141.3±56.1 | 0.63 | 0.80 |
| Cholesterol | 182.4±37.4 | 184.6±38.2 | 0.79 | 191.1±47.5 | 190.3±41.2 | 0.58 | 0.61 |
| LDL | 97.7±24.6 | 104.8±32.5 | 0.79 | 99.5±28.5 | 98.6±24.6 | 0.05 | 0.10 |
| HDL | 44.9±11.3 | 45.2±14.3 | 0.14 | 44.5±8.6 | 50.4±25.9 | 0.86 | 0.31 |
| Lip-A | 33.4±4.7 | 39.7±7.5 | 0.08 | 39.7±5.9 | 28.3±3.6 | 0.29 | 0.05 |

Table 2: lipid profile in both groups before and after treatments; no significant difference was seen

\*: Paired t-test, π: students t-test