

**Table 1:** Pre- and post-treatment values of blood tests for lipid profile, liver enzymes, fasting glucose and insulin, insulin resistance, C-reactive protein, and measurements for carotid intima-media thickness in 21 acne patients treated with isotretinoin for four months.

| Variables                     | Pre treatment    |              | Post treatment   |              | p        |
|-------------------------------|------------------|--------------|------------------|--------------|----------|
|                               | Mean $\pm$ SD    | Median (IR)  | Mean $\pm$ SD    | Median (IR)  |          |
| BMI (kg/m <sup>2</sup> )      | 23.7 $\pm$ 3.2   | 23.5 (4.7)   | 24.2 $\pm$ 2.9   | 24.1 (4.1)   | p =0.25  |
| Fasting glucose (mg/dl)       | 87.6 $\pm$ 9.7   | 89.0 (44.0)  | 88.1 $\pm$ 7.0   | 88.0 (11.0)  | p =0.28  |
| Fasting insulin ( $\mu$ U/ml) | 10.8 $\pm$ 8.6   | 8.2 (6)      | 10.1 $\pm$ 3.9   | 9.9 (5.6)    | p =0.77  |
| HOMA-IR                       | 2.2 $\pm$ 0.9    | 2.1 (1.2)    | 2.3 $\pm$ 1.9    | 1.7 (1.5)    | p =0.70  |
| SGOT (U/l)                    | 14.1 $\pm$ 7.8   | 12.0 (4.0)   | 14.9 $\pm$ 5.7   | 13.0 (10.0)  | p =0.81  |
| Total-Cholesterol (mg/dl)     | 163.6 $\pm$ 28.6 | 167.0 (39.0) | 187.5 $\pm$ 33.5 | 188.0 (53.5) | p <0.001 |
| Triglyceride (mg/dl)          | 71.0 $\pm$ 27.4  | 68.0 (38.0)  | 99.6 $\pm$ 37.6  | 96.0 (52.0)  | p <0.001 |
| LDL-Cholesterol (mg/dl)       | 90.1 $\pm$ 26.9  | 87.0 (37.4)  | 121.8 $\pm$ 37.3 | 126.0 (60.0) | p <0.001 |
| HDL-Cholesterol (mg/dl)       | 60.8 $\pm$ 13.1  | 58.0 (18.0)  | 55.2 $\pm$ 11.6  | 55.0 (23.0)  | p <0.001 |
| Osteopontin (ng/ml)           | 3.7 $\pm$ 1.6    | 3.5 (1.2)    | 4.9 $\pm$ 3.8    | 3.3 (13.8)   | p =0.27  |
| hs-CRP (mg/dl)                | 0.19 $\pm$ 0.39  | 0.08 (0.12)  | 0.20 $\pm$ 0.34  | 0.09 (0.12)  | p =0.88  |
| CIMT (mm)                     | 0.64 $\pm$ 0.13  | 0.60 (0.15)  | 0.79 $\pm$ 0.17  | 0.74 (0.24)  | p <0.001 |

SD: standard deviation, IR: interquartile, BMI: body mass index, HOMA-IR: homeostasis model assessment-insulin resistance, SGOT: serum glutamic oxaloacetic transaminase, LDL: low-density lipoprotein, HDL: high-density lipoprotein, hs-CRP: high sensitive C-reactive protein, CIMT: carotid intima media thickness.