Table 2. Mean hormones levels and metabolic characteristics before and after metformin.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Group 1  (n=73) | | | Group 2  (n=26) | | |
| Before | After | р | Before | After | Р |
| AMH, ng/ml | 16,9±10,4 | 14,0±11,1 | 0,001 | 11,0±4,1 | 7,7±2,0 | 0,018 |
| LH, mIU/ml | 12,2±5,7 | 9,7±5,5 | 0,009 | 8,6±4,6 | 8,1±4,9 | 0,753 |
| FSH, mIU/ml | 5,3±1,5 | 5,1±1,3 | 0,326 | 5,7±1,7 | 4,4±1,1 | 0,398 |
| Testosteron total, nmol/l | 2,3±0,9 | 1,8±0,7 | 0,001 | 1,3±0,4 | 1,3±0,4 | 0,799 |
| Free Testosteron, ng/ml | 4,9±3,5 | 4,2±3,8 | 0,055 | 2,7±1,4 | 2,4±1,6 | 0,753 |
| Androstendion, nmol/l | 23,8±9,7 | 18,8±8,1 | 0,002 | 11,7±3,7 | 9,6±2,1 | 0,176 |
| FAI | 6,7±4,2 | 4,6±2,8 | 0,028 | 3,6±3,0 | 3,8±2,8 | 0,128 |
| SHBG, nmol/l | 45,6±22,0 | 54,4±29,3 | 0,003 | 49,7±19,9 | 46,1±24,1 | 0,866 |
| Glucose fasting, ммоль/л | 5,2±0,6 | 5,0±0,4 | 0,065 | 5,6±0,5 | 5,5±0,5 | 0,068 |
| Glucose, 1 hour, mmol/l | 7,5±2.0 | 7,7±2,1 | 0,099 | 7,2±2,0 | 7,1±2,1 | 0,285 |
| Glucose, 2 hours, mmol/l | 5,9±1.3 | 6,3±1,6 | 0,074 | 5,8±1,0 | 5,7±1,8 | 1,000 |
| Insuling fasting, µIU/ml | 10,6±7,0 | 8,8±4,5 | 0,024 | 8,6±4,2 | 9,9±5,1 | 0,465 |
| Insuling 1 hour, µIU/ml | 85,0±57,2 | 66,4±36,0 | 0,140 | 60,4±28,7 | 62,7±22,6 | 0,593 |
| Insuling 2 hours, µIU/ml | 52,9±46,6 | 49,1±27,9 | 0,394 | 43,8±24,9 | 41,0±24,7 | 1,000 |
| НОМА | 2,4±1,6 | 1,9±1,0 | 0,014 | 3,0±1,4 | 2,1±1,2 | 0,655 |
| Impared glucose tolerance | 23 (22,8) | 24 (23,8) | p>0,05 | 5 (19,2) | 4 (15,4) | p>0,05 |
| Hyperinsulinemia | 26 (35,6) | 17 (23,2) | p>0,05 | 5 (19,2) | 4 (15,4) | p>0,05 |
| Insulin resistance (НОМА>2,5) | 25 (34,2) | 15 (20,5) | p>0,05 | 8 (30,7) | 5 (19,2) | p>0,05 |