## **A STUDY OF SERUM FERRITIN LEVEL IN FEMALE PATEINT WITH ALOPECIA**

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Table 1: Comparison of Red Blood Cell indices between Cases and Controls

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **RBC indices** | **Cases**  **Mean ± S.D.** | **Controls**  **Mean ± S.D.** | **T value** | **P value** |
| Hb (g/dl) | 9.38 ± 1.66 | 10.46 ± 1.59 | -3.24 | 0.002\* |
| Hct (%) | 29.47 ± 5.48 | 32.23 ± 6.01 | -2.37 | 0.020\* |
| MCV (fl) | 81.23 ± 8.47 | 83.89 ± 9.37 | -1.47 | 0.145 |
| MCH (pg) | 27.07 ± 3.54 | 29.01 ± 3.69 | -2.64 | 0.010\* |
| MCHC (g/dl) | 30.85 ± 1.82 | 31.49 ± 2.28 | -1.57 | 0.119 |

\*Statistically significant at p<0.05

Table 2: Comparison of mean serum ferritin of various subgroups of alopecia and controls

|  |  |  |  |
| --- | --- | --- | --- |
| **Study group** | **Number** | **Mean ± S.D. (ng/ml)** | **p value** |
| Alopecia areata | 23 | 18.12 ± 8.70 | 0.017\* |
| Androgenetic alopecia | 18 | 18.39 ± 9.14 | 0.039\* |
| Telogen effluvium | 19 | 22.79 ± 7.85 | 0.881 |
| Total cases | 60 | 19.68 ± 8.70 | 0.042\* |
| Controls | 40 | 23.11 ± 7.24 |  |

\*Statistically significant at p<0.05

**Table 3**: Comparison of various RBC indices in cases (subgroups) and controls.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **RBC Indices** | **Controls**  **Mean ± S.D.** | **Alopecia areata** | | **Androgenetic alopecia** | | **Telogen effluvium** | |
| **Mean ± S.D.** | **P value** | **Mean ± S.D.** | **P value** | **Mean ± S.D.** | **P value** |
| Hb (g/dl) | 10.46 ± 1.59 | 9.20 ± 1.68 | 0.004\* | 8.95 ± 1.83 | 0.002\* | 10.01 ± 1.33 | 0.290 |
| Hct (%) | 32.23 ± 6.01 | 28.45 ± 5.82 | 0.018\* | 28.48 ± 5.86 | 0.031\* | 31.64 ± 4.19 | 0.701 |
| MCV (fl) | 83.89 ± 9.37 | 80.87 ± 7.66 | 0.195 | 81.12 ± 11.98 | 0.346 | 81.77 ± 5.24 | 0.365 |
| MCH (pg) | 29.01 ± 3.69 | 27.13 ± 3.12 | 0.044\* | 26.42 ± 4.83 | 0.029\* | 27.62 ± 2.53 | 0.143 |
| MCHC (g/dl) | 31.50 ± 2.28 | 31.27 ± 2.02 | 0.696 | 30.69 ± 1.78 | 0.190 | 30.49 ± 1.58 | 0.088 |

\*Statistically significant at p<0.05