** Table 2:** Histopathological values of the each subject

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Osteoblastic Activity | Matrix Formation | Trabecular bone formation | Myeloid Tissue | Total |
| Group 1-Subject-1 | 1 | 1 | 1 | 1 | 4 |
| Group 1-Subject-2 | 1 | 1 | 0 | 2 | 4 |
| Group 1-Subject-3 | 1 | 2 | 1 | 2 | 6 |
| Group 1-Subject-4 | 1 | 1 | 1 | 2 | 3 |
| Group 1-Subject-5 | 2 | 1 | 1 | 2 | 6 |
| Group 1-Subject-6 | 1 | 1 | 1 | 2 | 5 |
| Group 1-Subject-7 | 1 | 1 | 1 | 2 | 5 |
| Group 2-Subject-1 | 2 | 2 | 3 | 3 | 10 |
| Group 2-Subject-2 | 2 | 2 | 2 | 2 | 8 |
| Group 2-Subject-3 | 2 | 2 | 3 | 2 | 9 |
| Group 2-Subject-4 | 1 | 1 | 3 | 3 | 8 |
| Group 2-Subject-5 | 2 | 2 | 3 | 3 | 10 |
| Group 2-Subject-6 | 1 | 2 | 3 | 3 | 9 |
| Group 2-Subject-7 | 2 | 2 | 3 | 3 | 10 |
| Group 3-Subject-1 | 3 | 2 | 3 | 3 | 11 |
| Group 3-Subject-2 | 3 | 3 | 3 | 3 | 12 |
| Group 3-Subject-3 | 2 | 3 | 2 | 3 | 10 |
| Group 3-Subject-4 | 3 | 3 | 3 | 3 | 12 |
| Group 3-Subject-5 | 2 | 3 | 3 | 3 | 11 |
| Group 3-Subject-6 | 2 | 2 | 3 | 3 | 10 |
| Group 3-Subject-7 | 3 | 3 | 3 | 3 | 12 |
| Group 4-Subject-1 | 2 | 3 | 2 | 3 | 10 |
| Group 4-Subject-2 | 2 | 2 | 2 | 3 | 9 |
| Group 4-Subject-3 | 2 | 3 | 2 | 3 | 10 |
| Group 4-Subject-4 | 2 | 3 | 2 | 3 | 10 |
| Group 4-Subject-5 | 3 | 3 | 3 | 3 | 12 |
| Group 4-Subject-6 | 2 | 3 | 2 | 3 | 10 |
| Group 4-Subject-7 | 2 | 3 | 2 | 3 | 10 |

 Scoring system

|  |  |
| --- | --- |
| Score | Description |
| 0 | None |
| 1 | Low |
| 2 | Moderate |
| 3 | High |

Group 1: Control Group (Non-supplemented)

Group 2: Calcium Group

Group 3: Calcium/Zinc Group

Group 4: Calcium/Vitamin D Group

**Table 3:** Histopathological values of the groups

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Osteoblastic Activity | Matrix Formation | Trabecular bone Formation | Myeloid Tissue | Total |
| Group 1 | 8 | 8 | 6 | 13 | 35 |
| Group 2 | 12 | 13 | 20 | 24 | 69 |
| Group 3 | 18 | 19 | 20 | 21 | 78 |
| Gorup 4 | 15 | 20 | 15 | 21 | 71 |

Group 1: Control Group (Non-supplemented)

Group 2: Calcium Group

Group 3: Calcium/Zinc Group

Group 4: Calcium/Vitamin D Group

**Table 4:** Mann–Whitney U-test (*p* values)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Osteoblastic Activity | Matrix Formation | Trabecular Bone formation | Myeloid Tissue | Total |
| Group 1🡪 Group 2 |  **0,037**\* | 0,010 |  **0,001**\* |  **0,007**\* |  **0,002**\* |
| Group 1🡪 Group 3 |  **0,002**\* |  **0,001**\* |  **0,001**\* |  **<0,001**\* |  **0,002**\* |
| Group 1🡪 Group 4 |  **0,002**\* |  **0,001**\* |  **0,001**\* |  **<0,001**\* |  **0,001**\* |
| Group 2🡪 Group 3 |  **0,015**\* |  **0,007**\* | 1,000 | 0,141 |  **0,005\*** |
| Group 2🡪 Group 4 | 0,091 |  **0,002**\* |  **0,010**\* | 0,141 | 0,064 |
| Group 3🡪 Group 4 | 0,107 | 0,530 |  **0,010**\* | 1,0 | 0,053 |

\**p* < 0.05 indicates a significant difference.

Group 1: Control Group (Non-supplemented)

Group 2: Calcium Group

Group 3: Calcium/Zinc Group

Group 4: Calcium/Vitamin D Group