**TABLE 1: Comparison of clinical parameters between the two groups**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Group** | **Mean** | **Std dev** | **Mean difference** | **t** | **P-Value** |
| Plaque Index | Aggressive Periodontitis | 1.20 | 0.56 | 1.165 | 8.125 | <0.001\* |
| Healthy | 0.03 | 0.02 |
| Gingival Index | Aggressive Periodontitis | 1.66 | 0.49 | 1.628 | 12.940 | <0.001\* |
| Healthy | 0.03 | 0.04 |
| PPD (mm) | Aggressive Periodontitis | 3.56 | 1.12 | 2.193 | 7.213 | <0.001\* |
| Healthy | 1.36 | 0.19 |
| Gingival Bleeding Index (%) | Aggressive Periodontitis | 96.33 | 14.20 | 94.328 | 25.543 | <0.001\* |
| Healthy | 2.01 | 1.70 |
| CAL (mm) | Aggressive Periodontitis | 2.33 | 1.40 | 2.330 | 6.444 | <0.001\* |
| Healthy | 0.00 | 0.00 |

*The difference between the two groups with respect to presence of EBV in plaque samples was statistically significant.*

**TABLE 2: Comparison of results (for each type of virus) between the two groups in plaque samples**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Virus** | **Aggressive Periodontitis (n=15)** | **Healthy (n=15)** | **Z** | **P-Value** |
| **n** | **%** | **N** | **%** |
| HCMV | 8 | 53% | 3 | 20% | 1.89 | 0.058 |
| EBV | 10 | 67% | 1 | 7% | 3.41 | 0.001\* |
| HSV-1 | 7 | 47% | 2 | 13% | 1.99 | 0.050 |

*The difference between the two groups with respect to presence of EBV in plaque samples was statistically significant.*

**TABLE 3: Comparison of results (for each type of virus) between the two groups in tissue samples**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Virus** | **Aggressive Periodontitis (n=15)** | **Healthy (n=15)** | **Z** | **P-Value** |
| **N** | **%** | **n** | **%** |
| HCMV | 3 | 20% | 1 | 7% | 1.07 | 0.283 |
| EBV | 11 | 73% | 0 | 0% | 4.17 | <0.001\* |
| HSV-1 | 2 | 13% | 7 | 47% | -1.99 | 0.050 |

*The difference between the two groups with respect to presence of EBV in tissue samples was statistically significant.*

**TABLE 4: Comparison of the results between plaque and tissue sample in aggressive periodontitis group**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Virus** | **Plaque (n=15)** | **Tissue (n=15)** | **Z** | **P-Value** |
| **n** | **%** | **n** | **%** |
| HCMV | 8 | 53% | 3 | 20% | 1.89 | 0.058 |
| EBV | 10 | 67% | 11 | 73% | -0.40 | 0.690 |
| HSV-1 | 7 | 47% | 2 | 13% | 1.99 | 0.050 |

**TABLE 5: Comparison of the results between plaque and tissue sample in healthy group**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Virus** | **Plaque (n=15)** | **Tissue (n=15)** | **Z** | **P-Value** |
| **n** | **%** | **n** | **%** |
| HCMV | 3 | 20% | 1 | 7% | 1.07 | 0.283 |
| EBV | 1 | 7% | 0 | 0% | 1.02 | 0.309 |
| HSV-1 | 2 | 13% | 7 | 47% | -1.99 | 0.050 |