|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **groups** | **Microorgansime types** | | | | | | | | | | **Inflammatory**  **cells** | **Inflammatory grade** |
| **G+/ar** | **G+/an** | **G-/ar** | **G-/an** | **HB/ar** | **HB/an** | **DIP/ar** | **DIP/an** | **Yeast/ar** | **Yeast/an** |
| **A1** | 7 (46.7%) | 2 (13.3%) | 4 (26.7%) | 9 (60%) | 4 (26.7%) | 1 (6.7%) | 4 (26.7%) | 2 (13.3%) | 8 (53.3%) | N | 1(6.7%) | Mild |
| **B1** | 6 (40%) | 3 (20%) | 2 (13.3%) | 7 (46.7%) | 3 (20%) | 1 (6.7%) | 3 (20%) | 4 (26.7%) | 8 (53.3%) | N | 4(26.7%) | Mild |
| **C1** | 6 (40%) | 3 (20%) | 4 (26.7%) | 7 (46.7%) | 0 | 1 (6.7%) | 1 (6.7%) | 1 (6.7%) | 9 (60%) | N | 2(13.3%) | Mild |
|  | | | | | | | | | | | |  |
| **A2** | 9 (60%) | 5 (33.3%) | 7 (46.7%) | 12 (80%) | 2 (13%) | 0 | 4 (26.7%) | 2 (13.3%) | 4 (26.7%) | N | 6(40%) | moderate |
| **B2** | 4 (26.7%) | 2 (13.3%) | 2 (26.7%) | 9 (60%) | 2 (13%) | 3 (20%) | 2 (13.3%) | 3 (20%) | 4 (26.7%) | N | 2 | mild |
| **C2** | 7 (46.7%) | 2 (13.3%) | 4 (26.7%) | 9 (60%) | 2 (13%) | 1 (6.7%) | 4 (26.7%) | 2 (13.3%) | 8 (53.3%) | N | 4(26.7%) | mild |

**Table(1): frequency distribution of aerobic and anaerobic micro-organisms types among studied groups in addition to inflammatory cells frequencies (A1,A2)mucosal samples(B1,B2)blood samples(C1,C2) control or adjacent tooth samples**