| **Parameter** | **F-test** | **T-test** **Variance-adjusted** | **Mann-Whitney U-test** |
| --- | --- | --- | --- |
| **Var 1 > Var 2**  | **P value**  | **Adjusted H** | **d.f.** | **P value** |
| **Apparently Healthy (n = 21) vs Diseased (n = 22)** |
| General Condition 100x | 0.3508 | 3.0018E-17\* | 31.88 | 1 | 1.64E-8\* |
| Zooxanthellae 100x | 0.1494 | 1.2152E-20\* | 32.95 | 1 | 9.45E-9\* |
| Epidermal Mucocytes Condition | 0.9466 | 1.3631E-19\* | 32.188 | 1 | 1.40E-8\* |
| Mesenterial Filament Mucocytes | 0.1379 | 4.6363E-06\* | 17.029 | 1 | 0.000037\* |
| Degeneration Cnidoglandular Bands | 0.6488 | 2.1242E-08\* | 22.602 | 1 | 1.99E-6\* |
| Dissociation of Mesenterial Filaments | 0.0848 | 5.5893E-06\* | 18.852 | 1 | 0.000014\* |
| Costal Tissue Loss | 1.7459E-05\* | 1.2021E-10\* | 30.823 | 1 | 2.83E-8\* |
| Calicodermis Condition | 0.3171 | 1.2481E-14\* | 31.445 | 1 | 2.05E-8\* |
| Epidermal RLOs | 0.4250 | 0.1645 | 0.898 | 1 | 0.343 |
| Filament RLOs | 0.005204\* | 0.7672 | 0.069 | 1 | 0.793 |
| **Mitigation Treatment Successful (n = 6) vs Unsuccessful (n = 5)** |
| General Condition 100x | 0.2835 | 0.1365 | 2.75 | 1 | 0.097 |
| Zooxanthellae 100x | 0.01097\* | 0.5413 | 0.853 | 1 | 0.356 |
| Epidermal Mucocytes Condition | 0.7872 | 0.2768 | 0.833 | 1 | 0.361 |
| Mesenterial Filament Mucocytes | 0.03643\* | 0.03124\* | 6.685 | 1 | 0.009721\* |
| Degeneration Cnidoglandular Bands | 0.004764\* | 0.01880\* | 5.685 | 1 | 0.017\* |
| Dissociation of Mesenterial Filaments | 0.5784 | 0.8976 | 0.008371 | 1 | 0.927 |
| Costal Tissue Loss | 0.3994 | 0.3132 | 0.833 | 1 | 0.361 |
| Calicodermis Condition | 0.7088 | 0.8084 | 0.033 | 1 | 0.855 |
| Epidermal RLOs | 0.5801 | 0.21106 | 1.695 | 1 | 0.193 |
| Filament RLOs | 0.3532 | 0.7665 | 0.917 | 1 | 0.338 |
| **Characteristics of WBD (n = 9) vs RTL (n = 12)** |
| General Condition 100x | 0.4899 | 0.8863 | 0.001293 | 1 | 0.971 |
| Zooxanthellae 100x | 0.3206 | 0.9705 | 0.00E0 | 1 | 1.0 |
| Epidermal Mucocytes Condition | 0.8670 | 0.2391 | 0.046 | 1 | 0.831 |
| Mesenterial Filament Mucocytes | 0.1475 | 0.5939 | 2.176 | 1 | 0.14 |
| Degeneration Cnidoglandular Bands | 0.7407 | 0.5078 | 1.937 | 1 | 0.164 |
| Dissociation of Mesenterial Filaments | 0.9369 | 0.7557 | 0.032 | 1 | 0.859 |
| Costal Tissue Loss | 0.9678 | 0.6419 | 0.153 | 1 | 0.696 |
| Calicodermis Condition | 0.9116 | 0.3742 | 0.00507 | 1 | 0.943 |
| Epidermal RLOs | 0.2791 | 0.02541\* | 4.672 | 1 | 0.031\* |
| Filament RLOs | 0.7776 | 0.6275 | 1.054 | 1 | 0.305 |