**Table 3:** Comparison of the dog trainer with and without dog allergy in dog trainer group.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Dog Trainer group (56)** | |  |
|  | **Dog allergy + (n = 12)** | **Dog allergy - (n = 44)** | **p values** |
| Age, years (±SD) | 32.08 ± 4.87 | 34.02 ± 6.71 | 0.355★ |
| Sex (male) | 12/12 | 43/44 | 0.786★★ |
| Smoking |  |  |  |
| Current smokers, n (%) | 2 (16.6%) | 4 (9.0%) | 0.599★★ |
| Ex-smokers, n (%) | 3 (25.0%) | 9 (20.4%) | 0.734★★★ |
| Pet seeing |  |  |  |
| Bird in the home | 1 (8.3%) | 3 (6.8%) | 0.630★★ |
| Cat in the home | 1 (8.3%) | 1 (2.2%) | 0.386★★ |
| Skin prick test positivity (another allergy from the dog allergy) | 11 (91.6%) | 25 (56.8%) | **0.026**★★★ |
| Family history of atopic disorders | 4 (33.3%) | 13 (29.5%) | 0.529★★★ |
| Working years, (mean ± SD) | 3.9 ± 4.94 | 6.6 ± 5.96 | 0.159★ |
| Symptoms |  |  |  |
| Rhinitis | 11 (91.6%) | 28 (63.6%) | **0.061**★★★ |
| Rhinoconjunctivitis | 0 (0%) | 7 (15.9%) | 0.140★★★ |
| Allergic skin symptoms | 2 (16.6%) | 11 (25.0%) | 0.544★★★ |
| Asthma | 1 (8.3%) | 0 (0%) | 0.214★★ |
| Work related symptoms | 10 (83.3%) | 9 (20.4%) | **< 0.001**★★★ |
| SPT positivity, n (%) |  |  |  |
| Feather | 0 (0%) | 1 (2.2%) | 0.786★★ |
| Cat | 4 (33.3%) | 6 (13.6%) | 0.114★★★ |
| Cow | 1 (8.3%) | 0 (0%) | 0.214★★ |
| Poultry | 0 (0%) | 2 (4.5%) | 0.614★★ |
| Goat | 1 (8.3%) | 2 (4.5%) | 0.522★★ |
| Der p. | 3 (25%) | 4 (9.0%) | 0.326★★ |
| Der f. | 3 (25%) | 2 (4.5%) | 0.060★★ |
| Alternaria | 2 (16.6%) | 4 (9.0%) | 0.599★★ |
| Asp. fum. | 4 (33.3%) | 0 (0%) | **0.001**★★ |
| Tree pollen | 0 (0%) | 2 (4.5%) | 0.614★★ |
| Weed | 3 (25%) | 10 (22.7) | 0.869★★★ |
| Ash | 3 (25%) | 3 (6.8%) | 0.105★★ |
| Walnut | 2 (16.6%) | 3 (6.8%) | 0.289★★ |
| Willow | 1 (8.3%) | 3 (6.8%) | 0.630★★ |
| Poplar | 0 (0%) | 1 (2.2%) | 0.786★★ |
| Beech | 0 (0%) | 2 (4.5%) | 0.614★★ |
| Pine | 2 (16.6%) | 3 (6.8%) | 0.289★★ |
| Latex | 0 (0%) | 2 (4.5%) | 0.614★★ |
| Wheat | 1 (8.3%) | 1 (2.2%) | 0.386★★ |
| Cockroach | 0 (0%) | 4 (9.0%) | 0.567★★ |

★Student t test, ★★Fisher’s Exact Test, ★★★Pearson Chi-Square.