Supplementary Table 3: Effect of seasonality on the symptoms of Meniere’s disease

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Dizziness** | **P** | **Tinnitus** | **P** | **Hearing loss** | **P** | **Aural Fullness** | **P** | **Attack (OR)** | **P** |
| **Sea level pressure (hPa)^** | 0.061 (0.01, 0.12) | **0.033** | 0.08 (0.04, 0.13) | **0.001** | 0.08 (0.04, 0.13) | **<0.001** | 0.10 (0.04, 0.15) | **<0.001** | 1.14  (1.01, 1.28) | **0.036** |
| **Visibility (km)** | -0.00 (-0.01, 0.01) | 0.71 | -0.00 (-0.01, 0.00) | 0.67 | -0.01 (-0.01, -0.00) | **0.001** | -0.01 (-0.01, -0.00) | **0.004** | 0.99  (0.98, 1.01) | 0.47 |
| **Temperature (°C)** | -0.00 (-0.06, 0.05) | 0.90 | -0.10 (-0.14, -0.05) | **<0.001** | -0.04 (-0.08, 0.01) | 0.14 | -0.02 (-0.07, 0.03) | 0.46 | 0.88  (0.77, 1.00) | 0.06 |
| **Relative humidity (%)** | 0.02 (-0.14, 0.16) | 0.77 | 0.01 (-0.11, 0.12) | 0.90 | 0.04 (-0.07, 0.15) | 0.50 | 0.16 (0.03, 0.28) | **0.018** | 1.21  (0.91, 1.60) | 0.19 |

Adjusted for age, gender, disease duration and ear affected; bold: significant different with p<0.05. The beta coefficients and odds ratio reported represent a 1SD increase in the weather variables, with the exception of sea level pressure which represents a one unit decrease.