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| Supplementary table 4. A sensitivity analysis for factors associated with the diagnosis of incident hypothyroidism for patients with a diagnosis of celiac disease among the adult cohort |
|   |   | Hypothyroidism | Model I (Cox analysis) | Model II (Logistic regression) |
|   |   | No, N (%) | Yes, N (%) | HR (95%CI), P | AdjHR(95%CI), P | OR(95%CI), P | AdjOR(95%CI), P |
| Total |   | 484 (94.9) | 26 (5.1) |   |  |   |   |
| Age, years median (IQR) | 39 (31-52) | 36 (28-59) | 1.01 (0.98-1.03), 0.536 |  | 1.01 (0.98-1.03), 0.637 |  |
| Sex | Male | 121 (96.0) | 5 (4.0) | 1 (Ref) |  | 1 (Ref) |  |
|  | Female | 363 (94.5) | 21 (5.5) | 1.31 (0.49-3.49), 0.578 |  | 1.40 (0.51-3.79), 0.508 |  |
| Ethnicity | Jew | 374 (94.4) | 22 (5.6) | 1 (Ref) |  | 1 (Ref) |  |
|   | Others | 110 (96.5) | 4 (3.5) | 0.63 (0.21-1.83), 0.397 |  | 0.61 (0.21-1.83), 0.386 |  |
| SES | High | 130 (93.5) | 9 (6.5) | 1 (Ref) |  | 1 (Ref) |  |
|  | Medium | 162 (94.2) | 10 (5.8) | 1.16 (0.21-6.36), 0.823 |  | 0.89 (0.35-2.59), 0.809 |  |
|  | Low | 192 (96.5) | 9 (6.5) | 1.40 (0.30-6.52), 0.661 |  | 0.52 (0.19-1.45), 0.214 |  |
| Type 1 DM | No | 437 (94.6) | 25 (5.4) | 1 (Ref) |  | 1 (Ref) |  |
|   | Yes | 47 (97.9) | 8 (5.7) | 0.37 (0.05-2.73), 0.330 |  | 0.37 (2.04-2.80), 0.338 |  |
| Anti-tTG, anti- | Only anti-tTG is positive\* | 319 (95.5) | 15 (4.5) | 1 (Ref) |  | 1 (Ref) |  |
| EMA status | Both anti-tTG & anti-EMA are positive | 165 (93.8) | 11 (6.3) | 1.28 (0.58-2.79), 0.532 |  | 141 (0.63-3/15), 0.393 |  |
| Celiac serology  | Normalized  | 273 (94.5) | 16 (5.5) | 1 (Ref) |  | 1 (Ref) |  |
|   | Persistent positive | 211(95.5) | 10 (4.6) | 0.76 (0.34-1.67), 0.497 |  | 0.80 (0.36-1.81), 0.607 |  |
| IQR: Interquartile Range; D.M.: Diabetes Mellitus; tTg: tissue transglutaminase; ULN: Upper Limit Normal; EMA: endomysial antibodies; Only anti-tTG is positive\*- Anti-EMA is negative or absent; CD: Celiac Disease. |