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| Supplementary table 3. A sensitivity analysis for factors associated with the diagnosis of incident hypothyroidism for patients with a diagnosis of celiac disease among the pediatric 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 |   | 757 (98.1) | 15 (1.9) |   |   |   |   |
| Age, years median (IQR) | 10 (7-14) | 15 (10-19) | 1.16 (1.03-1.29), 0.001 | 1.09 (1.02-1.17), 0.010 | 1.16 (1.04-1.30), 0.008 | 1.11 (1.03-1.19), 0.005 |
| Sex | Male | 274 (99.6) | 1 (0.4) | 1 (Ref) | 1 (Ref) | 1 (Ref) | 1 (Ref) |
|  | Female | 483 (97.2) | 14 (2.8) | 7.95 (1.04-60.4), 0.045 | 6.94 (2.13-22.6), 0.001 | 7.79 (1.04-60.4), 0.045 | 7.04 (2.14-23.1), 0.001 |
| Ethnicity | Jew | 468 (98.3) | 8 (1.7) | 1 (Ref) |   | 1 (Ref) |   |
|   | Others | 289 (98.6) | 7 (2.4) | 1.24 (0.44-3.43), 0.676 |   | 1.41 (0.50-3.94), 0505 |   |
| SES | High | 135 (98.5) | 2 (1.5) | 1 (Ref) |   | 1 (Ref) |   |
|  | Medium | 229 (98.3) | 4 (1.7) | 1.16 (0.21-6.36), 0.860  |   | 1.18(0.21-6.52), 0.850 |  |
|  | Low | 390 (97.7) | 2 (1.5) | 1.40 (0.30-6.52), 0.661 |  | 1.55 (0.33-7.30), 0.574 |  |
| Type 1 DM | No | 720 (98.6) | 10 (1.4) | 1 (Ref) | 1 (Ref) | 1 (Ref) | 1 (Ref) |
|   | Yes | 37 (88.1) | 5 (11.9) | 8.61 (2.94-25.1), <.001 | 4.45 (2.00-9.91), <.001 | 9.73 (3.16-29.9), <.001 | 4.78 (2.07-11.0), <.001 |
| Anti-tTG, anti- | Only anti-tTG is positive\* | 546 (98.2) | 10 (1.8) | 1 (Ref) |  | 1 (Ref) |  |
| EMA status | Both anti-tTG & anti-EMA are positive | 211 (97.7) | 5 (1.9) | 1.41 (0.48-4.15), 0526 |  | 1.29 (0.43-3.83), 0.642 |  |
| Celiac serology  | Normalized  | 476 (99.0) | 5 (1.0) | 1 (Ref) | 1 (Ref) | 1 (Ref) | 1 (Ref) |
|   | Persistent positive | 281(96.6) | 10 (3.4) | 2.83 (0.96-8.32), 0.058 | 1.77 (0.91-3.46), 0.094 | 3.89 (1.14-10.0), 0.027 | 2.03 (1.02-4.02), 0.042 |
| 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. |