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| Supplementary Table 1. Factors associated with persistent positive serology among the pediatric cohort |
|   |   | Persistent positive serology | Logistic regression |
|   |   | No, N (%) | Yes, N (%) | OR (95%CI), P | AdjOR (95%CI), P |
| Total |   | 2,006 (74.7) | 681 (25.3) |  |  |
| Age, years, median (IQR) | 8 (6-12) | 10 (7-14) | 1.08 (1.06-1.10), <.001 | 1.09 (1.06-1.11), <.001 |
| Sex | Male | 1,217 (74.0) | 427 (26.0) | 1 (Ref) |  |
|  | Female | 789 (75.6) | 254 (24.4) | 1.09 (0.91-1.30), 0.347 |  |
| Ethnicity | Jew | 1,616 (84.6) | 295 (15.4) | 1 (Ref) |  |
|   | Others | 390 (50.3) | 386 (49.7) | 5.42 (4.49-6.54), <.001 | 2.35 (1.80-3.07), <.001 |
| Socioeconomic  | High | 531 (90.5) | 56 (9.5) | 1 (Ref) | 1 (Ref) |
| status | Medium | 722 (84.0) | 138 (16.0) | 1.81 (1.30-2.52), <.001 | 1.52 (1.08-2.10), 0.017 |
|  | Low | 747 (60.6) | 485 (39.4) | 6.15 (4.56-8.29), <.001 | 2.52 (1.75-3.64), <.001 |
| Type 1 DM | No | 1,898 (74.5) | 648 (25.5) | 1 (Ref) |  |
|   | Yes | 108 (76.6) | 33 (23.4) | 0.89 (0.60-1.33), 0.587 |  |
| Anti-tTG level | 1-3 ULN | 763 (86.8) | 116 (13.2) | 1 (Ref) | 1 (Ref) |
|  | 3-5 ULN | 319 (82.4) | 68 (17.6) | 1.40 (1.01-1.94), 0.043 | 1.49 (1.05-2.13), 0.025 |
|  | 5-9.9 ULN | 389 (77.0) | 116 (23.0) | 1.96 (1.47-2.60), <.001 | 1.92 (1.46-2.62), <.001 |
|  | ≥ 10 ULN | 535 (58.4) | 381 (41.6) | 4.68 (3.70-5.91), <.001 | 4.99 (3.79-6.56), <.001 |
| Time first-last anti-tTG tests ,months (IQR) | 27 (20-32) | 25 (17-31) | 0.98 (0.97-0.99), 0.001 | 0.99 (0.97-1.01), 0.370 |
| Number of subsequent anti-tTG tests, N (IQR) | 3 (2-4) | 2 (1-3) | 0.71 (0.66-0.76), <.001 | 0.75 (0.68-0.82), <.001 |
| Anti-tTG/Anti- EMA status | Only anti-tTG is positive\* | 1332 (70.7) | 551 (29.3) | 1 (Ref) | 1 (Ref) |
|  | Anti-tTG & anti-EMA are positive | 674 (83.8) | 130 (16.2) | 0.46 (0.37-0.55), <.001 | 1.73 (1.13-2.26), <.001 |
| Diagnosis of CD | No | 1,525 (79.6) | 390 (20.4) | 1 (Ref) | 1 (Ref) |
|  | Yes | 481 (62.3) | 291 (37.7) | 2.36 (1.97-2.84), <.001 | 1.90 (1.53-2.36), <.001 |
| 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. |