**Table S1. Distribution of gastrointestinal symptoms in patients with antralization**

|  |  |
| --- | --- |
| Symptoms  | Antralization, n (%) |
| With  | Without  |
| Epigastric pain |  |  |
| Without | 38 (62.3)  | 18(58.1) |
| Mild  | 8 (13.1)  | 5(16.1) |
| Moderate | 15 (24.6)  | 7(22.6) |
| Severe  | 0 (0.0)  | 1(3.2) |
| Epigastric tightening |  |  |
| Without | 47 (77.0)  | 26(83.9) |
| Mild | 14 (23.0)  | 5(16.1) |
| Moderate | 0 (0.0)  | 0(0.0) |
| Severe | 0 (0.0)  | 0(0.0) |
| Anorexia  |  |  |
| Without | 56 (91.8)  | 26(83.9) |
| Mild | 3 (4.9)  | 3(9.7) |
| Moderate | 2 (3.3)  | 2(6.5) |
| Severe | 0 (0.0)  | 0(0.0) |
| Nausea  |  |  |
| Without | 56 (91.8)  | 27(87.1) |
| Mild | 5 (8.2)  | 3(9.7) |
| Moderate | 0 (0.0)  | 1(3.2) |
| Severe | 0 (0.0) | 0(0.0) |
| Vomiting  |  |  |
| Without | 58 (95.1)  | 30(96.8) |
| Mild | 2 (3.3)  | 1(3.2) |
| Moderate | 1 (1.6)  | 0(0.0) |
| Severe | 0 (0.0) | 0(0.0) |
| Heartburn  |  |  |
| Without | 54 (88.5)  | 30(96.8) |
| Mild | 4 (6.6)  | 0(0.0) |
| Moderate | 3 (4.9)  | 1(3.2) |
| Severe | 0 (0.0) | 0(0.0) |
| Acid reflux  |  |  |
| Without | 45 (73.8) \*  | 30(96.8) |
| Mild | 10 (16.4)  | 1(3.2) |
| Moderate | 5 (8.2)  | 0(0.0) |
| Severe | 1 (1.6)  | 0(0.0) |
| Borborygmus  |  |  |
| Without | 49 (80.3)  | 22(71.0) |
| Mild | 7 (11.5)  | 6(19.4) |
| Moderate | 5 (8.2)  | 3(9.7) |
| Severe | 0 (0.0) | 0(0.0) |
| Bloating  |  |  |
| Without | 38 (62.3)  | 18(58.1) |
| Mild | 11 (18.0)  | 2(6.5) |
| Moderate | 12 (19.7)  | 10(32.3) |
| Severe | 0 (0.0)  | 1(3.2) |
| Eructation  |  |  |
| Without | 45 (73.8)  | 23(74.2) |
| Mild | 13 (21.3)  | 6(19.4) |
| Moderate | 3 (4.9)  | 2(6.5) |
| Severe | 0 (0.0) | 0(0.0) |
| Dysphagia  |  |  |
| Without | 58 (95.1)  | 31(100.0) |
| Mild | 3 (4.9)  | 0(0.0) |
| Moderate | 0 (0.0) | 0(0.0) |
| Severe | 0 (0.0) | 0(0.0) |
| Increased flatus |  |  |
| Without | 48 (78.7)  | 24(77.4) |
| Mild | 5 (8.2)  | 7(22.6) |
| Moderate | 6 (9.8)  | 0(0.0) |
| Severe | 2 (3.3)  | 0(0.0) |
| Increased defecation |  |  |
| Once a day | 37 (60.7)  | 22(71.0) |
| Three or more times a day | 15 (24.6)  | 3(9.7) |
| Five or more times a day | 1 (1.6)  | 3(9.7) |
| Seven or more times a day | 0 (0.0) | 0(0.0) |
| Decreased defecation |  |  |
| Once a day | 37 (60.7)  | 22(71.0) |
| Once every three days or more | 6 (9.8)  | 1(3.2) |
| Once every five days or more | 2 (3.3)  | 2(6.5) |
| Once every seven days or more | 0 (0.0) | 0(0.0) |
| Loose stools |  |  |
| Normal | 40 (65.6)  | 24(77.4) |
| Slightly diluted stools | 4 (6.6)  | 0(0.0) |
| Mushy stool | 3 (4.9)  | 2(6.5) |
| Watery stools | 1 (1.6)  | 0(0.0) |
| Hard stools |  |  |
| Normal  | 40 (65.6)  | 24(77.4) |
| Slightly hard stools | 9 (14.8) | 4(12.9) |
| Hard stools | 1 (1.6) | 0(0.0) |
| Hard stools and segmental, or with diarrhea | 3 (4.9)  | 1(3.2) |
| Incomplete defecation |  |  |
| Without | 45 (73.8)  | 27(87.1) |
| Mild | 15 (24.6)  | 3(9.7) |
| Moderate | 1 (1.6)  | 1(3.2) |
| Severe | 0 (0.0) | 0(0.0) |
| Hematochezia, n (%)  |  |  |
| Without | 52 (85.2)  | 29(93.5) |
| Mild | 7 (11.5)  | 0(0.0) |
| Moderate  | 2 (3.3) | 2(6.5) |
| Severe | 0 (0.0) | 0(0.0) |
| Weight loss, n (%) |  |  |
| No reduction | 52 (85.2)  | 29(93.5) |
| Within 5 kg | 7 (11.5)  | 2(6.5) |
| Within 10 kg | 1 (1.6)  | 0(0.0) |
| More than 10 kg | 1 (1.6)  | 0(0.0) |
| Anemia, n (%)  |  |  |
| None | 59 (96.7)  | 31(100.0) |
| Mild  | 1 (1.6)  | 0(0.0) |
| Moderate  | 1 (1.6)  | 0(0.0) |
| Severe  | 0 (0.0) | 0(0.0) |

Without, without or transient; mild, experiences symptoms sporadically and some social activities are affected; moderate, experiences symptoms frequently and most social activities are affected; severe, experiences symptoms frequently and social activities are severely affected. # *P* < 0.10; \* *P* < 0.05.