**Supplementary table 1**. Multivariate subgroup analysis for serious adverse events (30-day mortality and perforation of colon) associated with endoscopic vs radiographic gastrostomy. Data presented as adjusted odds ratio, 95% confidence interval for Percutaneous endoscopic gastrostomy (PEG) vs Interventional radiology-guided gastrostomy (IRG).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Outcome** | **Odds ratio** | **p-value** | **Odds ratio** | **p-value** | **Interaction P-value** |
|  | **Body mass index < 30** | | **Body mass index > 30** | |  |
| 30-day mortality | 0.81 (.73, .91) | <0.001 | 0.78 (.70, .88) | <.001 | 0.66 |
| Perforation of colon after gastrostomy | 0.35 (.16, .74) | 0.006 | 0.70 (.31, 1.59) | 0.40 | 0.21 |
|  | **Outpatient** | | **Inpatient** | |  |
| 30-day mortality | 0.76 (.68, .84) | <.001 | 0.64 (.55, .74) | <.001 | 0.079 |
| Perforation of colon after gastrostomy | 0.50 (.22, 1.12) | 0.093 | 0.41 (.16, 1.00) | 0.051 | 0.73 |
|  | **Malignant dysphagia** | | **Benign dysphagia** | |  |
| 30-day mortality | 0.90 (.77, 1.04) | 0.162 | 0.77 (.70, .84) | <0.001 | 0.086 |
| Perforation of colon after gastrostomy | 1.67 (.34, 8.29) | 0.529 | 0.41 (.23, .74) | 0.003 | 0.104 |
|  | **Before 2018-Q4** | | **2018-Q3 to 2020-Q1** | |  |
| 30-day mortality | 0.80 (.73, .88) | <0.001 | 0.83 (.68, 1.02) | 0.073 | 0.74 |
| Perforation of colon after gastrostomy | 0.41 (.22, .74) | 0.004 | 1.45 (.42, 4.98) | 0.55 | 0.069 |

Adjusted for: age, sex, presence of malignancy as the reason for dysphagia, stroke, Aspiration pneumonia, and Charlson comorbidity index. Body mass index: Kg/m2; Q4: Quarter 4, Q1: quarter 1