



**Supplementary Figure 1.** Relationships between esophageal baseline impedance (BI) and number of acid reflux without a post-reflux swallow-induced peristaltic wave (PSPW). (A) Esophageal BI (ohm) at 3 cm above the lower esophageal sphincter (LES) was significantly but weakly correlated with acid reflux without a PSPW ( $r = -0.267$ ,  $P = 0.001$ ). (B) Esophageal BI (ohm) at 5 cm above the LES was significantly but weakly correlated with acid reflux without a post-reflux swallow-induced peristaltic wave ( $r = -0.283$ ,  $P = 0.001$ ).