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| **Table, Supplemental Digital Content 1.** Nocturnal reflux definitions |
| **Reflux composition** |  |
| Liquid reflux  | Defined as a 50% decrease in impedance from the baseline in the two distal impedance sites propagating form distal to proximal for a period of at least 5 seconds. |
| Gas reflux | Defined as a simultaneous increase in impedance > 3,000 Ω in any 2 consecutive impedance sites with 1 site having an absolute value > 7,000 Ω. Gas-only reflux episodes were not taken into account. |
| Mixed liquid-gas | Defined as gas reflux occurring during or immediately before liquid reflux. |
| **Type of reflux** |  |
| Acid reflux | pH < 4 during decrease in impedance. |
| Weakly acid | pH 4 – 7 during decrease in impedance |
| Non-acid reflux | pH >7 (not observed) |
| **Outcome measurements** |  |
| Acid exposure time | The duration of the pH < 4 in a certain body position divided by the time spent on that position. |
| Acid clearance time | The duration of the pH < 4 time in seconds per episode. |
| Position change reflux event | A reflux event that was preceded or followed by a change in sleeping position with a time window of 20 seconds (10 seconds before and 10 seconds after the start of the reflux event).  |