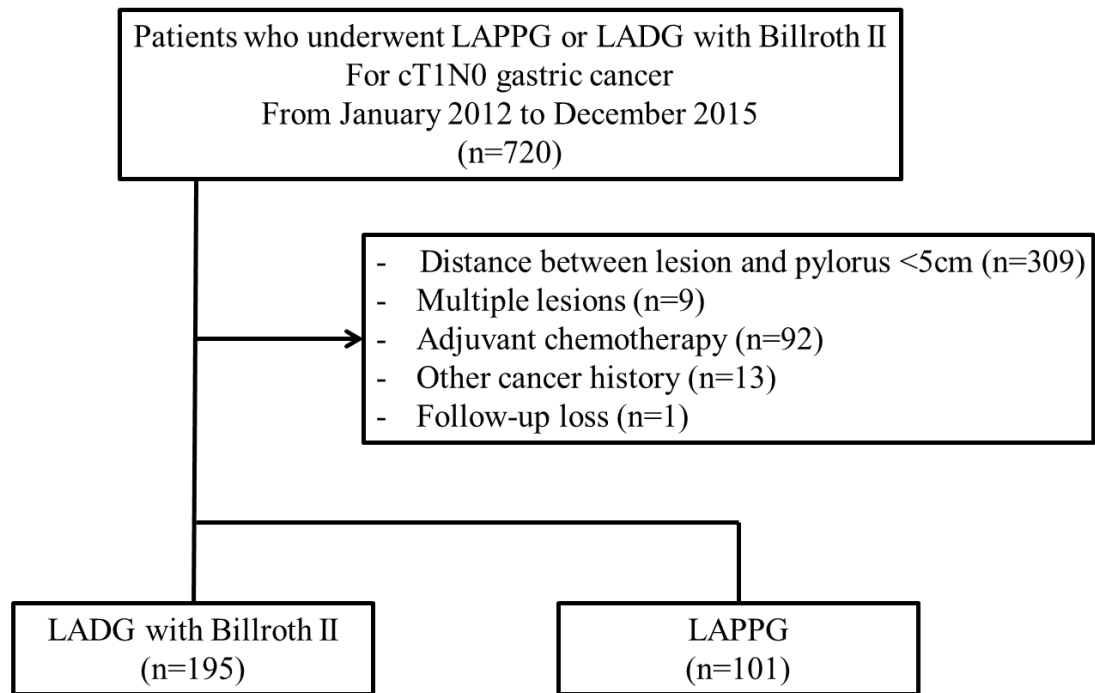


Supplementary Figure1. Flow diagram for the study.



LADG, laparoscopy-assisted distal gastrectomy; LAPPG, laparoscopy-assisted pylorus preserving gastrectomy

Supplementary Table 1. Comparison of iron supplements between the laparoscopy-assisted pylorus preserving gastrectomy and laparoscopy-assisted distal gastrectomy groups.

| Outcomes                         | LADG<br>(n=195) | LAPPG<br>(n=101) | p-value |
|----------------------------------|-----------------|------------------|---------|
| No iron supplement               | 152 (77.9)      | 81 (80.2)        | 0.765   |
| Any iron supplement              | 43 (22.1)       | 20 (19.8)        |         |
| Oral iron for 6 months or less   | 21 (9.8)        | 12 (11.8)        |         |
| Oral iron for more than 6 months | 19 (8.5)        | 1 (1.0)          |         |
| Intravenous iron                 | 0 (0)           | 3 (2.9)          |         |
| Intravenous iron plus oral iron  | 3 (1.5)         | 4 (4.0)          |         |

LADG, laparoscopy-assisted distal gastrectomy; LAPPG, laparoscopy-assisted pylorus preserving gastrectomy  
 Oral iron is ferrous sulfate, and intravenous iron is ferric carboxymaltose

Supplementary Table 2. Number of patients who answered to the questionnaire in each time duration after surgery.

|      | LADG<br>(n=108) | LAPPG<br>(n=61) |
|------|-----------------|-----------------|
| 2Y   | 1               | 2               |
| 2Y6m | 7               | 2               |
| 3Y   | 13              | 5               |
| 3Y6m | 19              | 10              |
| 4Y   | 27              | 18              |
| 4Y6m | 27              | 16              |
| 5Y   | 14              | 8               |

LADG, laparoscopy-assisted distal gastrectomy; LAPPG, laparoscopy-assisted pylorus preserving gastrectomy