

Supplementary Table1. Comparison of resectability predictions between physicians by NCCN staging and CART model among patients receiving more than 4month chemotherapy

| NCCN Guideline | margin negative resection | | | model prediction before SBRT | margin negative resection | | |
|----------------|---------------------------|----|-------|------------------------------|---------------------------|----|-------|
| | Yes | No | Total | | Yes | No | Total |
| BR | 20 | 11 | 31 | Yes | 42 | 10 | 52 |
| LA | 32 | 31 | 63 | No | 10 | 32 | 42 |
| Total | 52 | 42 | 94 | Total | 52 | 42 | 94 |

Abbreviation: CART: Classification and Regression Trees ; NCCN:National Comprehensive Care Network ; SBRT:stereotactic body radiation therapy; BR: borderline resectable; LA: locally advanced

Supplementary figure 1.

Contours of Gross tumor volume (GTV) (red), GTV+2mm expansion (green), Planning target volume (PTV) (blue) that excluding portions of the volume that were within 2mm of the jejunum (yellow).

