

**Supplementary Table 1 Functional outcome after sphincter-sparing wide local excision in patient with localized rectal melanoma**

Functional outcome	Time of patient reporting this outcome after the second wide excision			
	Pre-operation	1 wk	1 mo	3 mo
Bloody stool	3	3	2	1
Strained defecation	3	2	1	1
Urgency	2	2	1	1
Perianal irritation	3	3	2	1

The outcomes were rated on a three-point scale: 1, good; 2, acceptable; 3, unacceptable.

**Supplementary Table 2 Perioperative changes in SF-36 scores on measures used to evaluate functional recovery after the second wide local excision**

	Preoperatively	1 mo post operatively	3 mo post operatively
SF-36			
Physical functioning	65	60	70
Role limitations due to physical health	100	75	100
Role limitations due to emotional problems	100	66.7	100
Energy/fatigue	70	65	75
Emotional well-being	96	96	96
Social functioning	87.5	62.5	75
Pain	77.5	67.5	77.5
General health	75	60	70
Health change	50	50	50
Average	80.1	67.0	79.3

1. The 36-Item Short Form Health Survey (SF-36, [https://www.rand.org/health-care/surveys\\_tools/mos/36-item-short-form/survey-instrument.html](https://www.rand.org/health-care/surveys_tools/mos/36-item-short-form/survey-instrument.html)) is a set of generic, coherent, and easily administered quality-of-life measures.

2. SF-36 subscales scored on a scale from 0 to 100, with higher scores indicating better functional quality.