

Figure S1. Histogram of nivolumab treatment dosing time. Blue is the early timing group and red is the late timing group.

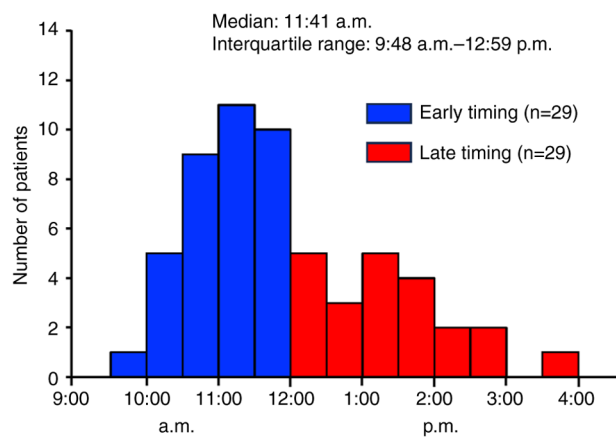
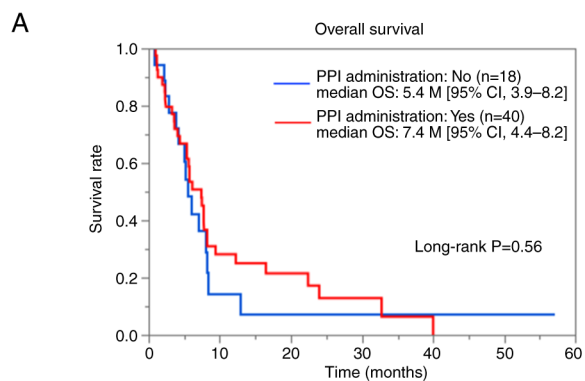
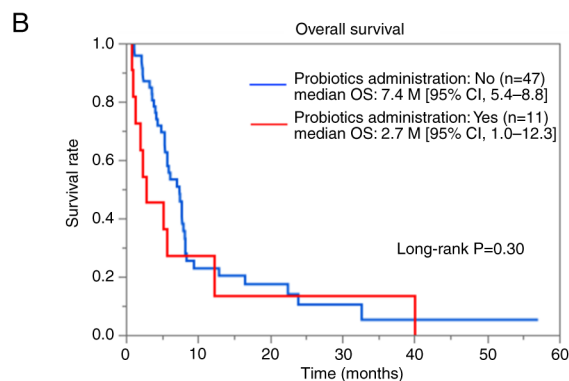


Figure S2. Kaplan-Meier curves for OS with and without concomitant medications. (A) With or without concomitant PPIs. (B) With or without concomitant NSAIDs. (C) With or without concomitant opioid analgesics. (D) With or without concomitant probiotics. (E) With or without concomitant antibiotics. The blue and red lines represent without and with, respectively. OS, overall survival; CI, confidence interval; PPI, proton pump inhibitor; NSAIDs, nonsteroidal anti-inflammatory drugs.



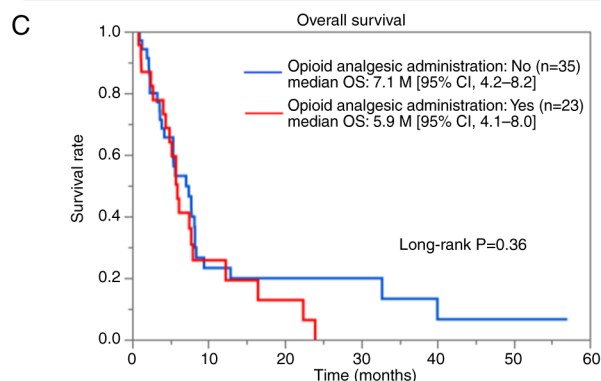
Number at risk

PPI: No	18	11	3	1	1	1	1	1	1
PPI: Yes	40	27	11	8	5	4	3	2	



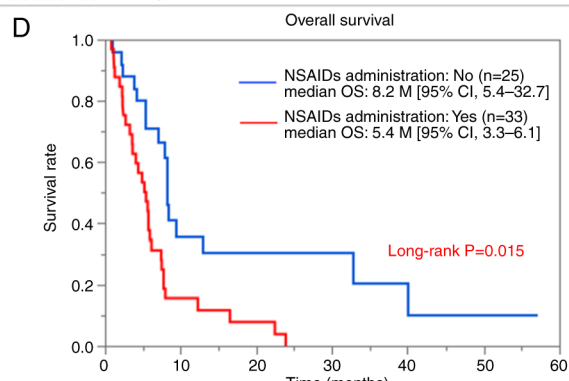
Number at risk

Probiotics: No	47	32	10	8	6	4	3	2	2	2
Probiotics: Yes	11	6	4	2	2	2	2	2		



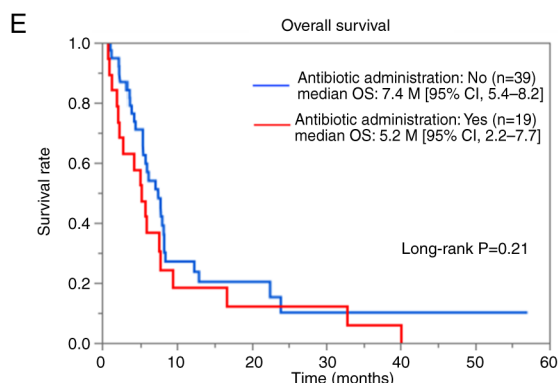
Number at risk

Opioid: No	35	23	8	6	6	6	4	1	1	1
Opioid: Yes	23	15	6	4	3					



Number at risk

NSAIDs: No	25	20	8	6	5	4	4	3	2	2
NSAIDs: Yes	33	18	6	4	3					



Number at risk

Antibiotic: No	39	27	10	6	5	3	2	2	2	2
Antibiotic: Yes	19	11	4	3	3	3	3	2		