

Additional file 1 Clinical characteristic and laboratory parameters of the patient

Day of gastrectomy	4	5	13	29	30	31	32	33	34	35	36	37
Day of fecal transplantation	-26	-25	-17	-1	0	1	2	3	4	5	6	7
Temperature (°C)	36.3-37.2	37.8-39.6	37.2-38.7	36.5-38.0	36.5-37.8	36.6-37.1	36.5-37.3	36.4-36.9	36.0-36.6	36.0-36.3	36.5-37.2	36.5-37.1
Heart rate (bpm)	96-126	89-145	86-118	73-91	76-112	74-92	76-89	79-88	76-89	76-86	81-100	76-93
Respiratory rate (beats/min)	17-28	15-27	12-21	15-24	15-30	14-26	15-33	18-22	16-24	16-25	14-26	16-23
Blood pressure (mmHg)	60-122/ 38-64	77-156/ 52-80	118-160/ 76-90	102-124/ 54-71	97-125/ 55-68	90-123/ 50-75	94-125 /47-69	90-113/ 54-67	93-119/ 54-75	95-112/ 53-72	93-114/ 56-73	96-125/ 56-71
Blood oxygen saturation (%)	86-100	87-100	94-100	98-100	96-100	96-100	97-100	94-100	97-100	97-100	98-100	98-100
pH	7.366	7.348	7.473	7.367	7.344	7.430	7.360	7.373	7.399	7.369	7.298	7.395
PaO ₂ (mmHg)	67.4	83.3	57.0	77.2	118.0	147.0	116.0	93.7	138.0	91.7	142.0	110.0
PaCO ₂ (mmHg)	26.2	29.6	36.2	31.8	30.3	30.0	32.8	26.8	28.2	29.0	23.1	26.0
BE	-9.2	-8.3	-7.2	-6.2	-8.2	-4.0	-6.2	-8.6	-6.3	-7.6	-4.1	-7.9
Lac (mmol/L)	8.2	8.3	5.1	3.7	3.4	1.1	1.2	0.9	0.9	1.2	1.1	1.3
C-reactive protein (mg/L)	143.4	55.0	64.6	42.8	27.8	41.7	n.d.	24.4	n.d.	18.0	17.9	n.d.
Daily stool volume (mL)	700	1800	2350	2470	2050	1980	1955	2920	3530	4020	2020	550
Hematological analysis												
White blood cell count ($\times 10^9/L$)	2.9	7.9	18.0	6.8	9.4	6.6	6.5	7.7	8.7	6.9	6.4	6.5
Neutrophil percentage (%)	83	98	89	58	64	71	60	64	66	61	55	57
Lymphocyte percentage (%)	13	2	10	30	26	20	32	29	29	32	37	36

Platelet ($\times 10^9/L$)	138	62	76	280	281	273	281	272	294	299	309	312
Liver function												
Total protein (g/L)	65.5	45.8	60.4	53.8	52.2	50.5	50.5	48.1	49.8	50.8	52.9	55.1
Albumin (g/L)	34.2	25.6	31.1	34.7	35.4	35.8	35.8	34.1	34.0	33.4	36.4	34.5
Total bilirubin ($\mu\text{mol/L}$)	8.5	17.6	42.0	24.2	18.7	16.2	12.4	11.9	12.1	9.3	11.0	9.9
Direct bilirubin ($\mu\text{mol/L}$)	0	15.5	29.6	9.9	6.8	6.3	3.5	4.3	4.5	2.2	3.7	0.7
Indirect bilirubin ($\mu\text{mol/L}$)	8.5	2.1	12.4	14.4	12.0	9.9	8.9	7.6	6.7	7.1	7.3	9.2
Renal function												
Creatinine ($\mu\text{mol/L}$)	94	131	51	37	34	36	38	34	32	32	35	29
Urea N (mmol/L)	4.6	5.3	7.3	5.6	5.4	4.6	6.2	6.4	5.9	7.0	5.7	7.0
Uric acid ($\mu\text{mol/L}$)	259	249	54	146	126	140	112	116	114	109	143	100
Blood coagulation test												
Prothrombin time (s)	17.6	24.5	14.1	13.9	n.d.	13.4	13.7	14.4	15.3	n.d.	14.0	14.2
Partial thromboplastin time (s)	48.2	>120.0	29.0	30.9	n.d.	32.1	34.6	33.6	37.2	n.d.	31.6	28.9
International normalized ratio	1.52	2.11	1.22	1.21	n.d.	1.16	1.19	1.25	1.33	n.d.	1.21	1.23
Fibrinogen (mg/dL)	226	171	145	289	n.d.	234	265	279	339	n.d.	306	286

(Continued)

Day of gastrectomy	38	39	40	41	42	43	44	45	46	47	48	50	51
Day of fecal transplantation	8	9	10	11	12	13	14	15	16	17	18	20	21
Temperature (°C)	36.0-37.0	36.5	36.3-37.6	36.0-37.4	36.7-37.3	36.0-37.2	36.7-37.0	36.1-37.1	36.0-36.8	36.5-37.2	36.3-36.7	36.0-36.5	36.0-36.8
Heart rate (bpm)	75-87	70-83	63-85	71-88	69-90	71-86	73-84	72-92	79-92	72-91	70-94	60-83	67-82
Respiratory rate (beats/min)	14-22	13-23	16-26	13-29	13-24	16-26	14-24	16-23	15-28	17-26	14-24	12-23	16-27
Blood pressure (mmHg)	93-114/ 54-68	99-111/ 52-79	97-111/ 59-75	101-117/ 63-78	102-120/ 62-77	98-121/ 63-78	94-114/ 58-79	92-116/ 59-79	92-113/ 58-78	95-124/ 61-80	95-125/ 60-88	93-123/ 62-84	97-121/ 63-85
Blood oxygen saturation (%)	96-100	97-100	98-100	98-100	93-100	98-100	100	94-100	98-100	99-100	95-100	97-100	96-100
pH	7.384	7.392	7.323	7.298	7.416	7.465	7.447	7.508	7.468	7.479	7.483	n.d	7.453
PaO ₂ (mmHg)	116.0	126.0	118.0	134.0	75.9	89.4	122.0	73.5	89.1	54.4	147.0	n.d	134.0
PaCO ₂ (mmHg)	31.9	27.0	30.1	26.5	36.3	31.2	33.5	32.5	31.7	33.4	34.6	n.d	37.0
BE	-5.3	-10.8	-9.5	-12.4	-0.9	-0.8	-0.4	2.7	-0.6	1.2	2.4	n.d	1.9
Lac (mmol/L)	0.7	0.5	0.5	0.7	1.5	1.0	0.6	0.9	1.0	1.1	0.7	n.d	1.0
C-reactive protein (mg/L)	22.50	21.30	13.39	16.80	11.60	11.43	n.d	n.d	25.00	n.d	12.62	n.d	15.00
Daily stool volume (mL)	850	1675	1250	950	550	900	280	900	80	50	300	400	270
Hematological analysis													
White blood cell count ($\times 10^9/L$)	5.3	4.8	6.1	5.3	4.5	4.1	4.9	4.5	3.5	4.2	4.0	n.d	2.7
Neutrophil percentage (%)	53	45	46	35	42	35	45	43	30	30	20	n.d	n.d
Lymphocyte percentage (%)	40	45	41	54	46	56	46	49	59	61	68	n.d	69
Platelet ($\times 10^9/L$)	282	295	354	334	295	252	258	134	161	185	156	n.d	160

Liver function													
Total protein (g/L)	48.30	51.20	54.80	59.40	53.50	52.40	51.00	53.14	54.10	55.51	55.88	n.d	49.90
Albumin (g/L)	32.50	35.40	35.60	31.80	35.10	34.10	33.60	34.05	34.60	35.33	34.65	n.d	31.90
Total bilirubin (µmol/L)	11.80	13.85	12.01	11.80	12.69	14.16	12.38	12.80	12.64	14.38	14.91	n.d	11.69
Direct bilirubin (µmol/L)	1.90	2.04	1.48	7.80	1.35	2.93	1.73	1.25	1.36	2.44	6.02	n.d	4.71
Indirect bilirubin (µmol/L)	9.90	11.81	10.53	4.00	11.34	11.23	10.65	11.55	11.28	11.94	8.89	n.d	6.98
Renal function													
Creatinine (µmol/L)	36.00	41.00	43.00	58.00	52.00	48.00	41.00	38.49	39.00	36.08	39.19	n.d	33.00
Urea N (mmol/L)	7.10	4.80	2.50	0.90	1.80	1.10	0.90	0.83	2.10	1.46	1.86	n.d	1.40
Uric acid (µmol/L)	111	168	200	224	248	203	157	137	158	145	174	n.d	147
Blood coagulation test													
Prothrombin time (s)	14.7	14.4	13.5	13.6	13.0	13.0	11.6	11.0	12.2	12.1	12.1	n.d	13.0
Partial thromboplastin time (s)	30.1	28.5	25.6	28.2	22.5	28.5	23.8	21.4	25.7	30.5	29.2	n.d	32.6
International normalized ratio	1.28	1.25	1.17	1.18	1.13	1.13	1.01	0.96	1.06	1.05	1.05	n.d	1.13
Fibrinogen (mg/dL)	279	265	276	257	265	215	203	145	63	250	220	n.d	195

Notes: n.d.: no detected.