

Table S1: Deidentified participant data

No.	Gender	Age	ASA	Height/cm	Weight/kg	BMI	Inclusion time	Testing Time
1	female	44	2	163	58	22	20240411	14:28
2	male	54	2	170	65	22	20240411	13:04
3	female	43	2	160	53	21	20240411	13:07
4	female	65	2	157	69	28	20240411	15:01
5	male	65	2	170	69	24	20240411	14:40
6	female	65	2	153	60	26	20240425	13:19
7	female	42	2	160	65	25	20240425	14:26
8	male	58	2	168	80	28	20240425	15:33
9	female	62	2	163	66.5	25	20240425	13:53
10	male	44	2	170	90	31	20240425	14:40
11	female	59	2	155	55	23	20240516	14:32
12	female	65	2	158	89	36	20240516	14:04
13	female	57	2	155	60	25	20240516	14:48
14	female	54	2	162	66	25	20240516	14:56
15	female	47	2	173	78	26	20240516	15:15
16	female	63	2	166	65	24	20240516	8:30
17	male	65	2	160	45	18	20240516	8:07
18	female	65	2	155	57	24	20240523	14:05
19	female	48	2	165	59	22	20240523	13:24
20	male	43	2	179	76	24	20240523	13:21
21	female	57	2	155	65	27	20240523	14:09
22	female	38	2	163	55	21	20240523	14:32
23	male	60	2	175	99	32	20240523	14:48
24	male	54	2	160	71	28	20240523	15:22
25	female	41	2	156	48	20	20240530	13:22
26	female	58	2	157	60	24	20240523	15:33
27	female	41	2	163	61	23	20240530	14:53
28	female	29	2	160	51	20	20240530	13:52
29	male	43	2	168	54	19	20240530	14:21
30	female	43	2	162	58	22	20240530	14:45
31	female	60	2	165	56	21	20240530	15:07
32	female	59	2	150	45	20	20240530	14:16
33	female	46	2	162	62	24	20240606	13:10
34	female	47	2	166	65	24	20240606	13:25
35	female	56	2	153	60	26	20240606	13:42
36	female	38	2	155	51	21	20240606	14:47

No.	Dosage of analgesic drugs/mg	Total dosage of propofol used/mg	Duration of anesthesia/min	Colonoscopy time/min	HR(T1)	HR(T2)	HR(T3)	HR(T4)
1	3.5	30	15	14	65	66	61	56
2	5.2	70	30	28	98	95	83	81
3	3.71	90	18	13	94	114	88	89
4	4	40	31	29	67	66	70	66
5	4.9	60	24	21	91	85	85	84
6	4.2	50	28	26	81	73	71	68
7	3.5	30	10	8	73	67	69	59
8	4	50	17	16	92	88	102	82
9	4	50	24	8	68	60	65	69
10	4.8	30	12	9	93	80	96	91
11	2.2	50	13	11	85	78	80	71
12	4.5	60	19	17	67	71	66	56
13	3.0	80	17	16	67	69	71	72
14	2.64	30	20	5	66	62	61	63
15	3.9	70	15	13	63	64	63	52
16	3.25	50	23	14	84	87	91	73
17	2.25	100	50	37	53	50	56	56
18	2.28	50	29	21	72	83	76	79
19	1.8	150	31	29	70	66	63	62
20	2.28	100	20	19	94	83	81	77
21	2.6	100	16	12	90	90	89	85
22	2.75	100	19	17	73	71	67	65
23	5	40	27	18	95	93	76	73
24	3.55	20	24	22	64	60	71	73
25	2.4	80	21	12	108	82	81	64
26	2.4	60	26	25	68	81	74	72
27	3	100	20	18	103	90	89	78
28	3	40	18	10	77	74	95	87
29	2.7	50	10	8	84	75	74	68
30	4	30	14	11	57	55	61	59
31	2.24	50	18	15	56	72	75	72
32	2.8	70	31	28	93	81	74	64
33	3.2	40	13	9	92	85	89	84
34	2.6	30	18	15	58	63	65	61
35	1.8	80	20	14	77	77	66	73
36	1.6	70	11	10	83	80	79	74

No.	HR(T5)	HR(T6)	HR(T7)	HR<50	MAP(T1)	MAP(T2)	MAP(T3)	MAP(T4)
1	58	54	60	0	68	66	67	61
2	80	79	80	0	97	90	75	74
3	79	84	92	0	91	98	67	86
4	65	70	68	0	118	95	90	90
5	75	75	74	0	88	56	56	42
6	67	67	66	0	97	83	74	79
7	62	63	62	0	86	67	70	71
8	85	91	84	0	100	87	68	58
9	70	75	71	0	79	75	73	64
10	92	87	89	0	94	88	80	82
11	67	67	67	0	84	71	62	67
12	54	54	57	0	113	96	71	64
13	65	81	67	0	87	68	66	62
14	63	63	64	0	77	54	60	61
15	57	57	62	0	84	50	61	61
16	72	74	67	0	88	97	98	97
17	110	83	105	0	102	75	79	83
18	73	74	78	0	105	81	79	77
19	65	61	58	0	73	70	70	86
20	72	71	72	0	86	83	73	65
21	69	74	75	0	83	66	58	65
22	63	66	66	0	83	51	67	77
23	70	71	67	0	111	95	90	87
24	71	69	68	0	85	65	65	62
25	78	80	74	0	87	55	58	61
26	63	66	82	0	90	60	62	56
27	81	79	80	0	108	97	79	86
28	86	84	75	0	75	64	54	58
29	66	69	72	0	74	55	51	51
30	60	61	59	0	55	53	50	51
31	73	71	67	0	92	86	80	82
32	75	71	75	0	99	56	64	62
33	89	83	80	0	70	64	62	65
34	54	65	57	0	75	76	72	65
35	68	72	65	0	80	73	59	53
36	73	66	62	0	74	78	67	63

No.	MAP(T5)	MAP(T6)	MAP(T7)	LOW MAP(<60m mhg)	SpO2(T1)	SpO2(T2)	SpO2(T3)	SpO2(T4)
1	67	67	69	0	99	98	96	97
2	71	70	75	0	97	98	98	98
3	116	94	101	0	99	99	99	98
4	90	92	93	0	98	96	93	95
5	39	45	47	1	94	95	95	93
6	76	71	83	0	99	99	95	96
7	62	71	71	0	99	98	96	99
8	73	73	76	1	98	98	96	93
9	69	65	59	1	98	99	98	96
10	82	79	80	0	97	97	92	94
11	64	64	64	0	99	98	98	98
12	65	64	78	0	99	99	99	98
13	57	69	62	1	100	100	98	99
14	60	54	57	1	100	100	100	100
15	57	61	61	1	96	94	93	93
16	97	93	93	0	97	98	94	99
17	118	69	76	0	98	98	98	98
18	78	77	72	0	100	99	98	98
19	83	83	82	0	99	97	97	99
20	63	62	76	0	99	99	99	94
21	66	64	64	1	100	94	95	93
22	83	70	69	1	99	99	99	99
23	83	83	88	0	100	100	97	96
24	65	65	68	0	100	100	98	98
25	60	56	56	1	100	98	99	99
26	64	60	60	1	95	98	91	91
27	82	78	82	0	100	100	99	99
28	49	49	49	1	98	99	99	99
29	51	54	52	1	98	99	99	98
30	52	52	53	1	100	99	99	94
31	77	79	77	0	100	100	100	98
32	64	75	74	1	99	99	99	99
33	58	59	61	1	100	100	99	97
34	62	80	60	0	99	99	99	99
35	75	66	57	1	99	100	97	98
36	63	66	62	0	100	100	100	99

No.	SpO2(T5)	SpO2(T6)	SpO2(T7)	SpO2 Low(<94%)	Assisted breathing (No 0/Yes 1)	Physical response (T1)	Physical response (T2)	Physical response (T3)
1	97	97	97	0	0	0	0	0
2	98	98	98	0	0	0	0	0
3	95	98	97	0	0	0	0	0
4	92	92	91	0	0	0	0	0
5	98	98	97	1	0	0	0	0
6	98	98	99	0	0	0	0	0
7	99	98	98	0	0	0	0	0
8	93	94	94	1	1	0	0	0
9	97	97	95	0	0	0	0	0
10	94	94	95	1	0	0	0	0
11	98	98	98	0	0	0	0	0
12	98	98	98	0	0	0	0	0
13	100	100	99	0	0	0	0	0
14	100	99	99	0	0	0	0	0
15	96	97	98	1	0	0	0	0
16	99	99	99	0	1	0	0	0
17	98	100	100	0	0	0	1	0
18	99	99	95	0	0	0	0	1
19	99	99	100	0	1	0	0	0
20	94	94	97	0	0	0	0	0
21	97	95	95	1	0	0	0	0
22	99	99	99	0	0	0	0	1
23	98	98	98	0	1	0	0	0
24	98	98	99	0	0	0	0	0
25	99	100	99	0	0	0	0	0
26	95	96	96	1	0	0	0	0
27	99	99	99	0	1	0	0	0
28	99	99	99	0	0	0	0	0
29	98	97	95	0	1	0	0	0
30	92	98	98	1	1	0	0	0
31	98	99	99	0	0	0	0	0
32	97	99	98	0	1	0	0	0
33	90	96	97	1	1	0	0	0
34	99	99	99	0	0	0	0	0
35	98	99	99	0	1	0	0	0
36	99	100	99	0	0	0	0	0

No.	Physical response (T4)	Physical response (T5)	Physical response (T6)	Physical response (T7)	Colic (20 minutes after examination)	Nausea and vomiting (20 minutes after examination)	Dizziness and headache (20 minutes after examination)	Unable to stand steadily (after examination for 20 minutes)
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	1	1	0	0	0	0
11	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	0
15	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	0
19	0	0	0	0	0	0	1	0
20	1	0	0	0	0	0	0	0
21	1	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	1	0
24	0	0	0	0	0	0	0	0
25	1	1	0	0	0	0	0	0
26	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	1	1	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0
35	0	1	0	0	0	0	0	0
36	1	0	0	0	1	0	0	0

No.	Colic (4 hours after examination)	Nausea and vomiting (4h after examination)	Dizziness and headache (4 hours after examination)	Unsteady standing (4 hours after examination)	Patient satisfaction(0-5)
1	0	0	0	0	3
2	0	0	0	0	3
3	0	0	0	0	3
4	0	0	0	0	3
5	0	0	0	0	3
6	0	0	0	0	3
7	0	0	0	0	3
8	0	0	0	0	3
9	0	0	0	0	3
10	0	0	0	0	3
11	0	0	0	0	5
12	0	0	0	0	5
13	0	0	0	0	5
14	0	0	0	0	4
15	0	0	0	0	5
16	0	0	0	0	5
17	0	0	0	0	5
18	0	0	0	0	4
19	0	0	0	0	4
20	0	0	0	0	5
21	0	0	0	0	5
22	0	0	0	0	5
23	0	0	0	0	4
24	0	0	0	0	5
25	0	0	0	0	5
26	0	0	0	0	5
27	0	0	0	0	5
28	0	0	0	0	5
29	0	0	0	0	5
30	0	0	0	0	5
31	0	0	0	0	5
32	0	0	0	0	5
33	0	0	1	0	4
34	0	0	0	0	5
35	0	0	0	0	5
36	0	0	0	0	3