

Table S1. Polysomnography data of patients with rapid eye movement sleep behavior disorder before and after ramelteon treatment

Patient No.	Before or After	AHI	TST (min)	SE (%)	SOL (min)	WASO (%)	NREM 1 (%)	NREM 2 (%)	NREM 3 (%)	Stage R (%)	REM Latency (min)	RWA (%)	Phasic EMG (%)	Tonic EMG (%)
1	Before	11.4	358	80.1	28.5	14	47.3	31.3	0	21.4	28.5	0	30.07	30.1
	After	3.3	323.5	70.2	19	21.9	27.2	43.1	0	29.7	136	6.25	51.04	57.3
2	Before	5.6	396.5	84.7	7.5	13.9	13	61.9	0	25.1	64	6.46	2.48	9
	after	0.9	336	70.1	9	28.5	43.8	42.9	0	13.4	132	15.6	8.9	24.4
3	Before	7.8	354	78.1	4	19.4	22.5	64.1	0	13.4	70.5	26.3	23.2	49.5
	After	1	308.5	68.4	12.5	29.6	25.8	52.4	0	21.9	174	12.6	33.3	45.9
4	Before	17.6	337	71.6	19.5	25.3	17.1	65.9	0	17.1	148	6.1	13.9	20
	After	8.3	353	72.2	13	25.8	24.4	46.7	0	28.9	78	13.7	13.7	27.5
5	Before	13.8	122	22.9	3	74.7	34.8	53.7	0	11.5	181	14.3	7.1	21.4
	After	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
6	Before	5.2	335	67.3	8	31.4	49.1	36.6	0	14.3	70.5	21.9	70.8	92.7
	After	※1, 0	368.5	80	4.5	19.1	33.9	55.1	0	11	61	9.9	59.3	69.1
7	Before	46.7	223.5	41	63.5	53.5	46.5	46.1	0	7.4	256	6.1	9.1	15.2
	After	※2, 2.2	302.5	65.3	51	25.9	30.2	43.8	0	26	220	25.5	5.7	31.2
8	Before	31.1	322	68.5	31.5	26.6	51.2	36	0	12.7	227.5	2.4	0	2.4
	After	34.2	277	60.9	44	31.5	70.2	20.6	0	9.2	316	14	2	16
9	Before	28.2	315	64.4	119	14.9	15.7	68.4	0	15.9	201.5	13	0	13
	After	※2, 12.8	243.5	48.4	14	50.2	28.3	67.6	0	4.1	192.5	5	0	5
10	Before	3.1	390	78.6	54	11.7	6.5	67.3	0	26.2	233	27.5	59.8	87.3
	After	0.8	383.5	86.6	2.5	12.9	9.6	72.4	0.3	17.7	166	42.6	39.7	82.4
11	Before	6.4	366.5	78	22	12.8	26.6	61	0	12.4	208	22	0	22
	After	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
12	Before	26	399	84.9	4	14.4	12.5	79.9	1.3	6.3	227	28	8	36
	After	※2, 2	430.5	92	5.5	6.9	10.8	81.1	0.9	7.2	79.5	38.7	12.9	51.6

AHI, apnea-hypopnea index; DO = dropout; EMG = electromyography; NREM = nonrapid eye movement sleep; RBDSS, rapid eye movement sleep behavior disorder severity scale; RWA = REM sleep without atonia; SE = sleep efficiency; SOL = sleep onset latency; TST = total sleep time; ; VAS = visual analog scale-family ratings of dream enactment behavior frequency and severity; WASO = wake after sleep onset. ※1, after intraoral device treatment; ※2, after nasal continuous positive airway pressure treatment.