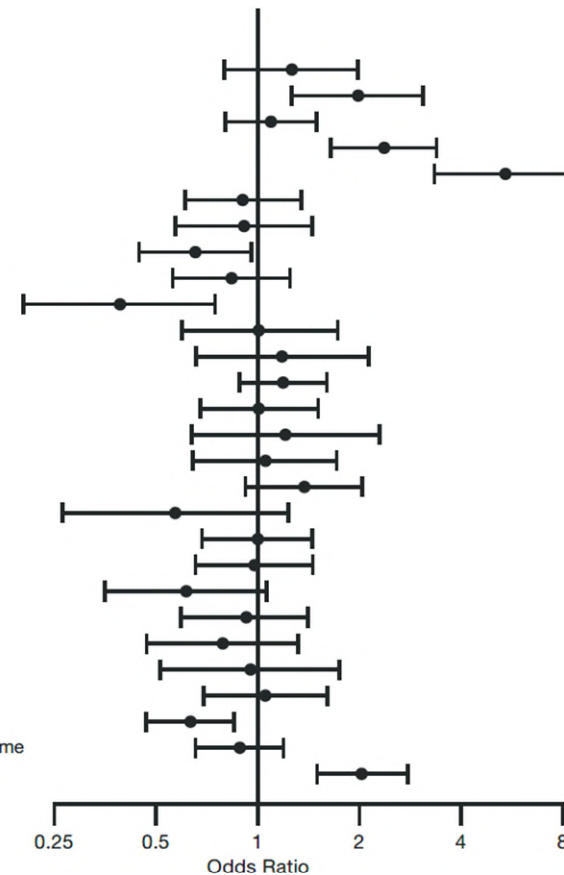


Supplementary materials

Supplementary Fig. S1. Adjusted odds ratio for patient characteristics affecting treatment response (based on ISI score) to ramelteon in responding patients

Odds ratio and 95% CI

Age (years)	65 – <75 <i>versus</i> <65
	≥75 <i>versus</i> <65
Gender	Male <i>versus</i> Female
Severity of insomnia	Moderate <i>versus</i> Mild
	Severe <i>versus</i> Mild
Duration of insomnia (years)	1.0 – <3.0 <i>versus</i> <1.0
	3.0 – <5.0 <i>versus</i> <1.0
	≥5.0 <i>versus</i> <1.0
Alcohol consumption per week (days)	1 – 2 <i>versus</i> 0
	3 – 5 <i>versus</i> 0
	6 – 7 <i>versus</i> 0
Nightcap instead of hypnotics	Yes <i>versus</i> No
Daily caffeine ingestion (cup)	≥2 <i>versus</i> <2
Daily smoking status	<20 cigarettes <i>versus</i> Non-smoking
	≥20 cigarettes <i>versus</i> Non-smoking
Employment status	Part-time <i>versus</i> Unemployed
	Full-time <i>versus</i> Unemployed
Night shift worker	Yes <i>versus</i> No
Concurrent medical conditions (depression [mood disorder])	Yes <i>versus</i> No
Concurrent medical conditions (hypertension)	Yes <i>versus</i> No
Concurrent medical conditions (diabetes)	Yes <i>versus</i> No
Concurrent medical conditions (hyperlipidemia)	Yes <i>versus</i> No
Concurrent medical conditions (anxiety disorder)	Yes <i>versus</i> No
Concurrent medical conditions (reflux esophagitis)	Yes <i>versus</i> No
Medication history (anti-insomnia drugs)	Yes <i>versus</i> No
Concomitant medications (anti-insomnia drugs)	Yes <i>versus</i> No
Dosing instruction 1	At the same time each day <i>versus</i> According to bedtime
Dosing instruction 2	≥1 hour before bed <i>versus</i> Just before bed



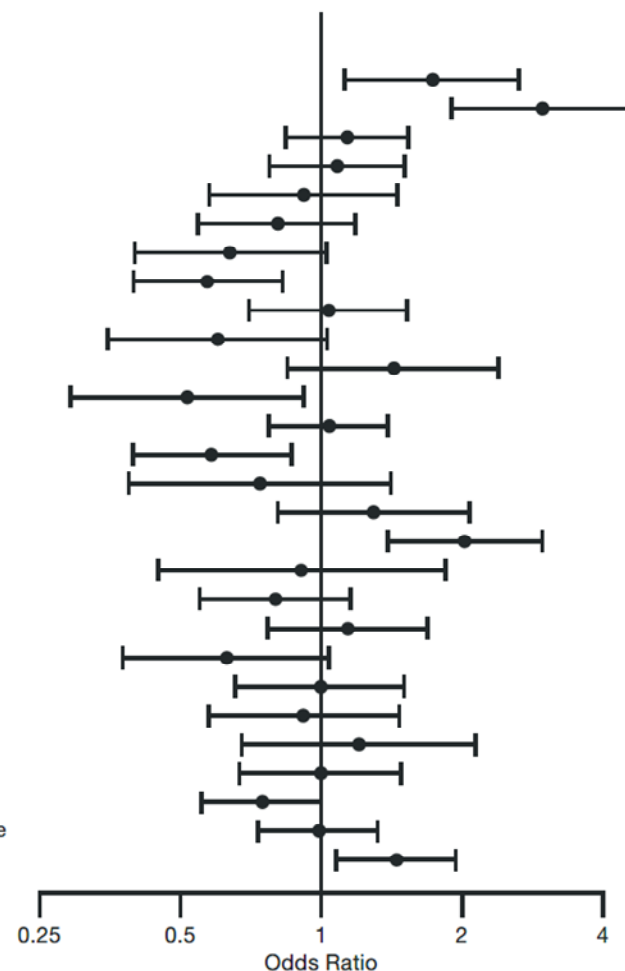
OR of <1 indicates that a factor is less frequently observed in responders versus the reference value; OR >1 indicates that a factor is more likely to be observed in responders versus the reference value

CI confidence interval; *ISI* Insomnia Severity Index; *OR* odds ratio

Supplementary Fig. S2. Adjusted odds ratio for patient characteristics affecting treatment response (based on ISI score) to ramelteon in remitting patients

Odds ratio and 95% CI

Age (years)	65 – <75 versus <65
	≥75 versus <65
Gender	Male versus Female
Severity of insomnia	Moderate versus Mild
	Severe versus Mild
Duration of insomnia (years)	1.0 – <3.0 versus <1.0
	3.0 – <5.0 versus <1.0
	≥5.0 versus <1.0
Alcohol consumption per week (days)	1 – 2 versus 0
	3 – 5 versus 0
	6 – 7 versus 0
Nightcap instead of hypnotics	Yes versus No
Daily caffeine ingestion (cup)	≥2 versus <2
Daily smoking status	<20 cigarettes versus Non-smoking
	≥20 cigarettes versus Non-smoking
Employment status	Part-time versus Unemployed
	Full-time versus Unemployed
Night shift worker	Yes versus No
Concurrent medical conditions (depression [mood disorder])	Yes versus No
Concurrent medical conditions (hypertension)	Yes versus No
Concurrent medical conditions (diabetes)	Yes versus No
Concurrent medical conditions (hyperlipidemia)	Yes versus No
Concurrent medical conditions (anxiety disorder)	Yes versus No
Concurrent medical conditions (reflux esophagitis)	Yes versus No
Medication history (anti-insomnia drugs)	Yes versus No
Concomitant medications (anti-insomnia drugs)	Yes versus No
Dosing instruction 1	At the same time each day versus According to bedtime
Dosing instruction 2	≥1 hour before bed versus Just before bed



OR of <1 indicates that a factor is less frequently observed in responders versus the reference value; OR >1 indicates that a factor is more likely to be observed in responders versus the reference value

CI confidence interval; *ISI* Insomnia Severity Index; *OR* odds ratio