

AMBER STUDY

Evaluating whether patiromer can enable persistent use of spironolactone in patients with rHTN and advanced CKD, by managing hyperkalaemia

Spironolactone is an effective treatment for rHTN*, but many previous studies have excluded patients with advanced CKD (eGFR <45 mL/min/1.73 m²) who are at high risk of hyperkalaemia;¹ **AMBER** is the first study to evaluate whether patiromer can enable spironolactone use in this patient population.

*rHTN: blood pressure above goal despite adherence to a combination of at least 3 optimally dosed antihypertensive medications, one of which is a diuretic



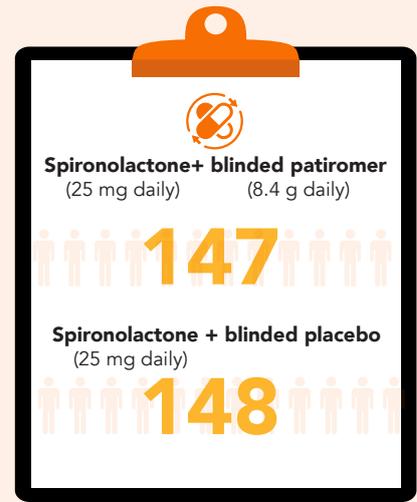
12-week study



295 patients with rHTN and advanced CKD

- Systolic AOBP 135–160 mmHg
- eGFR 25–45 mL/min/1.73 m²

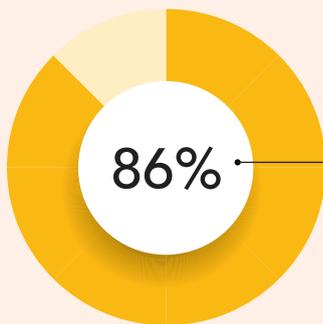
randomised 1:1 to



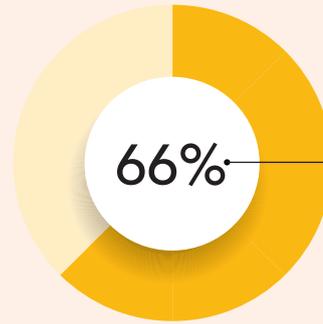
PRIMARY ENDPOINT

In advanced CKD with rHTN, patiromer enables more persistent use of spironolactone

Primary endpoint: between-group difference in % of patients who remained on spironolactone at week 12:



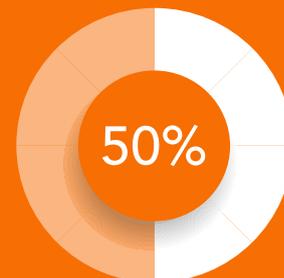
PATROMER



PLACEBO



Among patients receiving placebo, 2 out of 3 developed hyperkalaemia.



Patiromer reduced this risk by half.

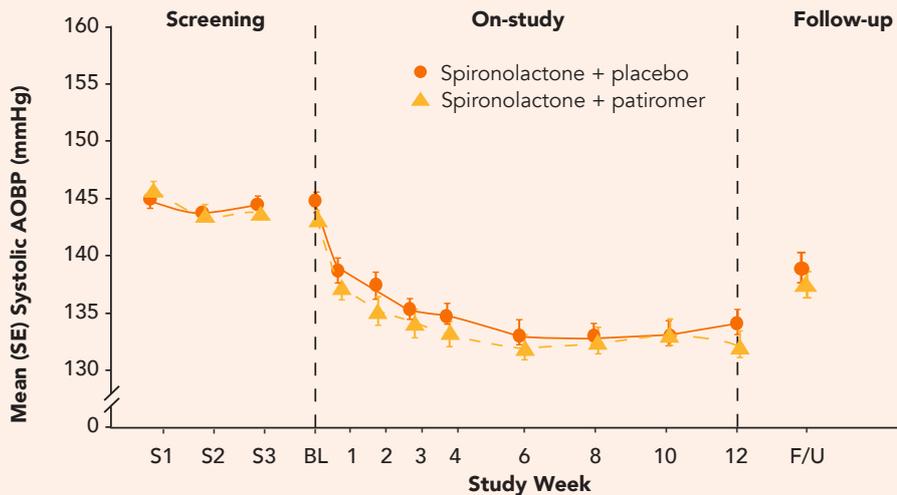
AMBER STUDY

SECONDARY ENDPOINT

Secondary endpoint: between-group difference in change of systolic BP at **week 12**

Spirolactone use in patients with advanced CKD and rHTN resulted in a clinically significant 11–12 mmHg reduction in systolic BP, with a difference between groups of –1 mmHg, P=0.58

SYSTOLIC AOBP OVER TIME



Spirolactone metabolites were detectable long after discontinuation* and with the long half-lives of spirolactone metabolites, approximately half of the systolic BP effect was still present, 2 weeks after discontinuation of spirolactone.

As most discontinuations in the placebo group occurred after 6 weeks of the study; it may be possible that there was insufficient time to observe a difference in systolic AOBP between treatment groups.

* in 36.4% of patients 3 weeks after discontinuation of spirolactone

These findings are noteworthy because meta-analyses of RCTs have shown that a 10 mmHg drop in systolic blood pressure could mean^{2,3}



↓ **20%**
major CV events



↓ **20%**
coronary events

↓ **40%**
heart failure



↓ **10–15%**
all-cause mortality



↓ **35%**
stroke

Patiromer's safety profile was consistent with previous reports⁴⁻⁶

Abbreviations: AOBP, automated office blood pressure; BL, baseline; BP, blood pressure; CKD, chronic kidney disease; CV, cardiovascular; eGFR, estimated glomerular filtration rate; F/U, follow-up; RCT, randomised controlled trial; rHTN, resistant hypertension; SE, standard error

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Therefore, before prescribing any product, always refer to local materials such as the prescribing information and/or the Summary of Product Characteristics (SPC).

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