### Concomitant iGlarLixi and **Sodium-Glucose Co-transporter-2 Inhibitor Therapy in Adults with** Type 2 Diabetes: LixiLan-G Trial and **Real-World Evidence Results**



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Introduction

Study design

Key results

Conclusions

Introduction



and the glucagon-like peptide 1 receptor agonist (GLP-1 RA) lixisenatide (Lixi) that robustly improves glycaemic control in adults with T2D irrespective of previous treatment (oral antihyperglycaemic drugs [OADs], basal insulin or GLP-1 RAs)

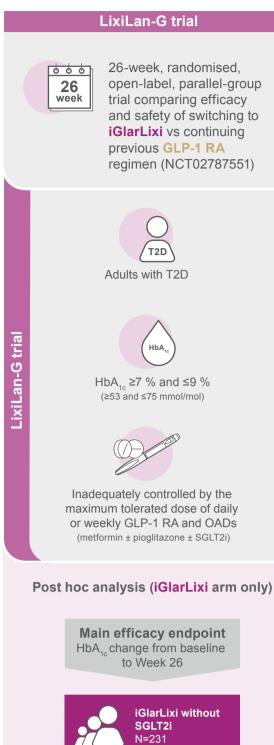
iGlarLixi is a once-daily fixed-ratio combination of insulin glargine 100 U/mL (iGlar)

**Objective** 

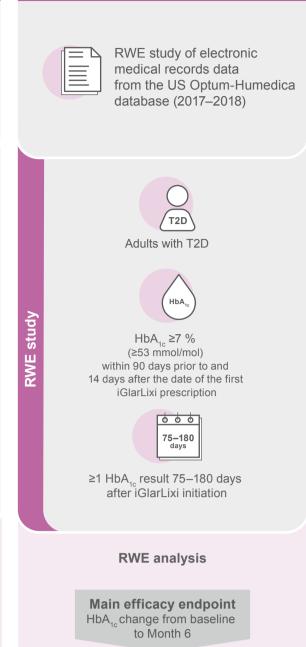


To assess the effects of **concomitant iGlarLixi and SGLT2i** therapy in a post hoc exploratory analysis of the LixiLan-G randomised controlled trial (RCT) and a retrospective, observational (real-world evidence [RWE]) cohort study

Study design



iGlarLixi + SGLT2i



RWE study



## In both studies, there were no major differences in baseline characteristics for

**Key results** 

### those who initiated iGlarLixi while already using SGLT2i and those initiating T2D iGlarLixi without concomitant SGLT2i therapy

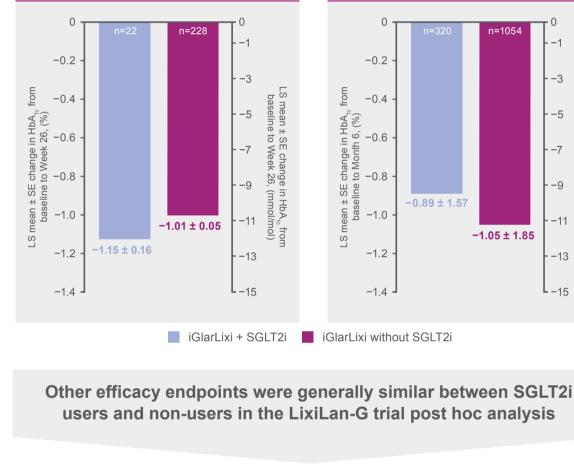
**Baseline characteristics** 



HbA<sub>1c</sub> changes were similar between

0

SGLT2i users and non-users



LS mean (SE) change

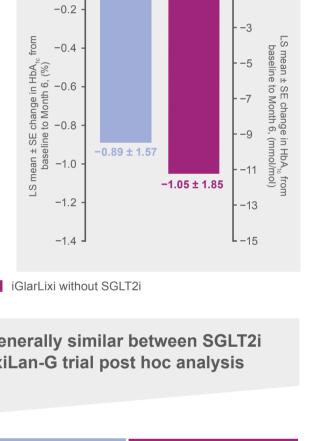
% of participants

(26-week period)

**Events PPY** 

from baseline to Week 26

LixiLan-G trial



iGlarLixi

without

SGLT2i

Severe hypoglycaemia\*

0%

iGlarLixi

without SGLT2i

0.4%

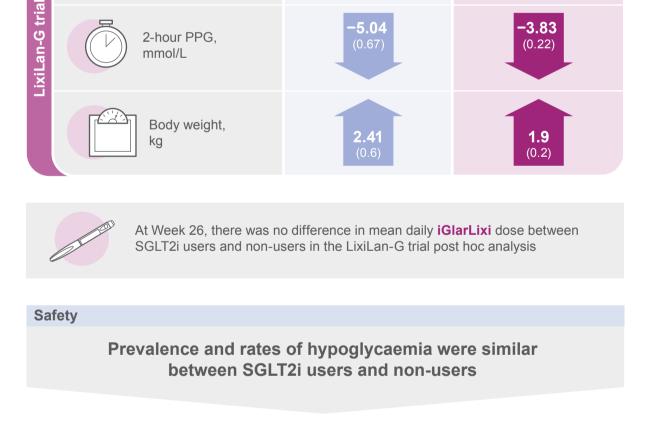
RWE study

n=1054

2.83 2.22 FPG, (0.13)mmol/L

iGlarLixi

+ SGLT2i



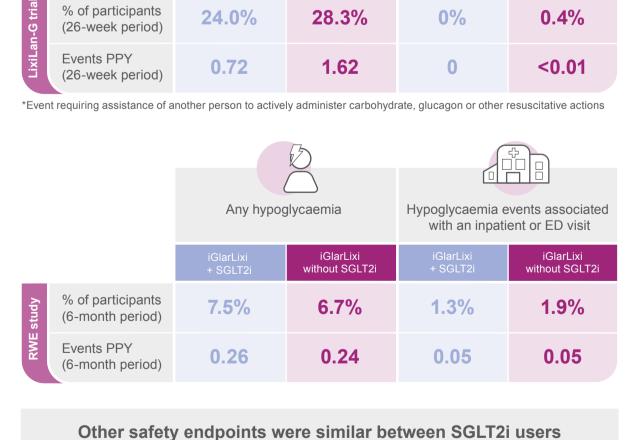
Documented symptomatic

hypoglycaemia (≤3.9 mmol/L [≤70 mg/dL])

24.0%

without SGLT2i

28.3%



and non-users from baseline to Week 26/Month 6

		iGlarLixi + SGLT2i	iGlarLixi without SGLT2i
LixiLan-G trial	Participants with ≥1 TEAE, n (%)	14 (56.0)	149 (64.8)
	Participants with TEAEs leading to permanent treatment discontinuation, n (%)	0 (0)	9 (3.9)
RWE study	Diabatia		
	Diabetic ketoacidosis, n (%)	1 (0.3)	2 (0.2)
	Acute kidney injury, n (%)	0 (0)	0 (0)
	Urinary tract infections, n (%)	1 (0.3)	6 (0.6)

# Results from an RCT and a real-world clinical setting showed that **iGlarLixi**

**Conclusions** 



provided similar robust glycaemic control and comparably low risk of hypoglycaemia in people with T2D regardless of concomitant use of SGLT2i



ED, emergency department; FPG, fasting plasma glucose; GLP-1 RA, glucagon-like peptide 1 receptor agonist;

This evidence supports the combined use of iGlarLixi and SGLT2i in the

treatment of people with T2D