



#### ESC 31 August 2015 Hot Line III - Diabetes mellitus/Pharmacology

### <u>Evaluation of LIX</u>isenatide in <u>Acute Coronary Syndrome (ELIXA)</u>

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ELIXA Trial Executive Committee: Rafael Diaz, Kenneth Dickstein, Hertzel Gerstein, Lars Køber, Eldrin Lewis, Aldo Maggioni, John McMurray, Marc Pfeffer (Chair), Jeffrey Probstfield, Matthew Riddle, Scott Solomon, Jean-Claude Tardif

on behalf of the ELIXA Investigators

ClinTrials.gov NCT01147250



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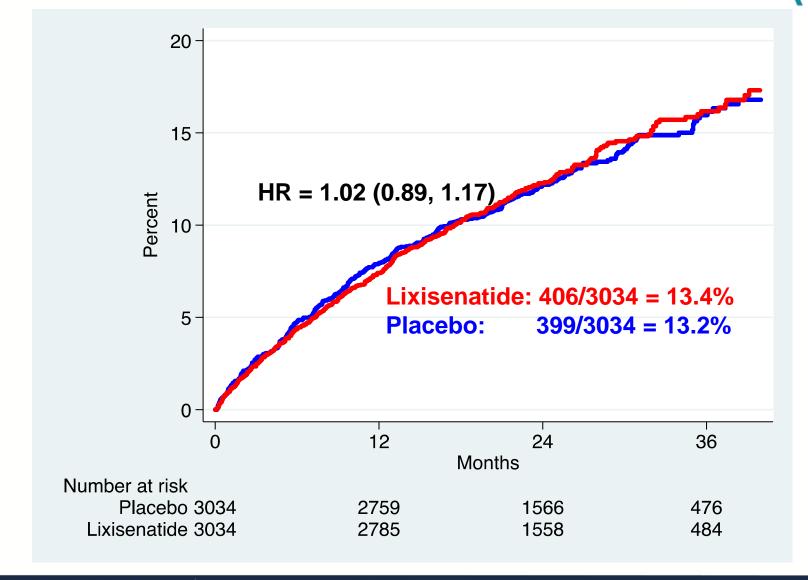
# **DECLARATION OF INTEREST**

- Research contracts
- Consulting/Royalties/Owner/ Stockholder of a healthcare company



#esccongress

### 1° Outcome (CV Death, MI, Stroke or UA)

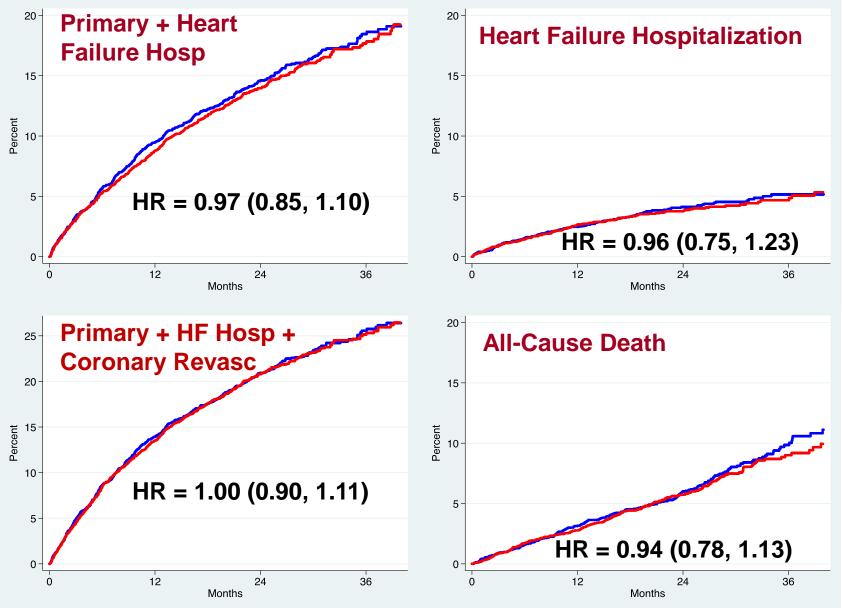


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#### Lixisenatide & CV Outcomes





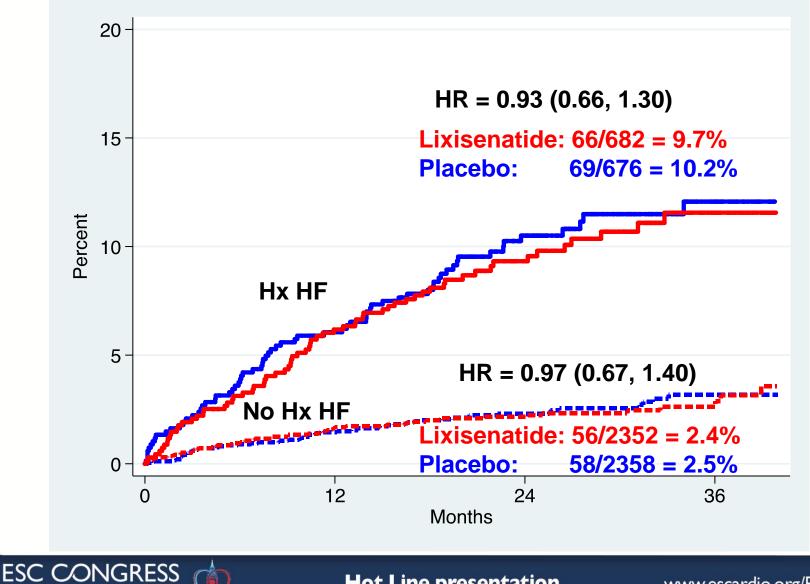
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#### **Heart Failure Hospitalization** (by History of HF)

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## **ELIXA Summary**

- Demonstrates CV safety of lixisenatide (as defined by FDA Guidance), but not superiority in reducing CV events
- Additional analyses indicate safety with respect to heart failure events as well as death
- Neutral effects seen across wide spectrum of heart failure risk



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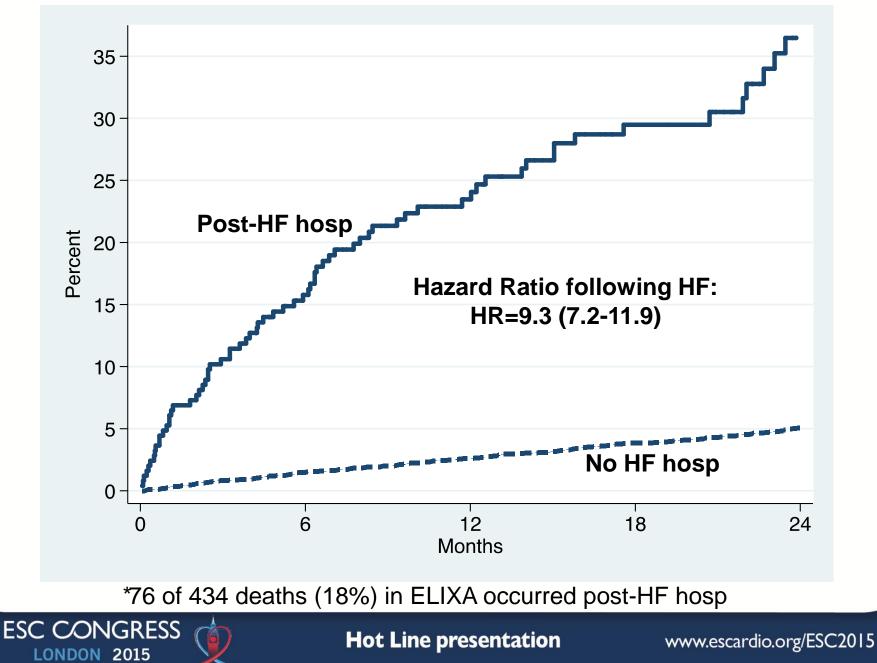
### **Results:**

#### **Biomarker changes with lixisenatide vs placebo**

- 1) HbA1c (absolute value) was 0.27% lower\* (with similar hypoglycemia events)
- 2) Weight change was 0.7kg less\* (with more frequent discontinuation due to GI complaints 4.9% vs. 1.2%\*)
- 3) SBP was 0.8 mmHg less\*
- 4) Albuminuria increased less, 24% vs 34%\*
- 5) Heart rate was increased 0.4 bpm\*
  - \* p<0.05



### **Mortality\* following HF Hosp**



ELIXA

## **Clinical Outcomes by BNP\***

<b>BNP Quartile</b>	Primary Outcome	Heart Failure	CVD + HF
	Incidence Rate (per 100 patient-years)		
1 (≤ 50 pg/mL)	3.2	0.2	0.7
2 (51-107 pg/mL)	4.4	1.0	1.8
3 (108-219 pg/mL)	5.7	1.6	3.0
4 (≥ 220 pg/mL)	13.4	5.2	10.8

\*no significant interactions between BNP quartile and treatment effect HR

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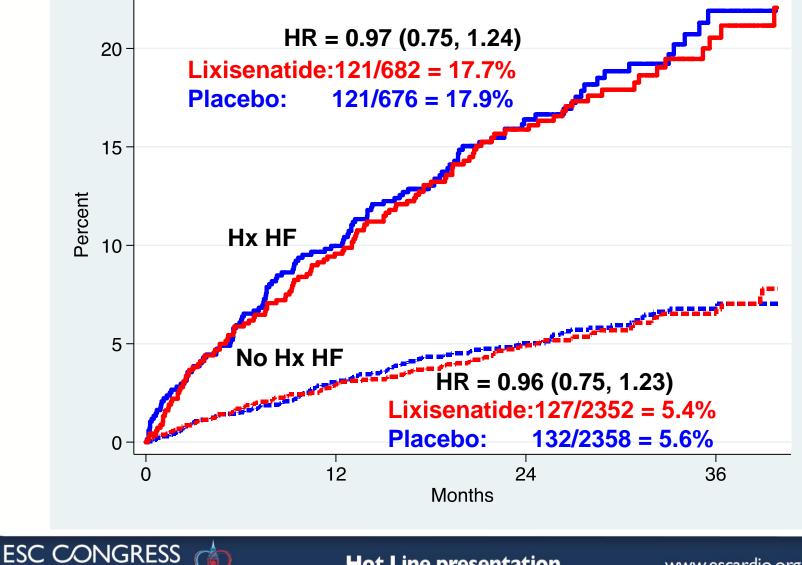
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### **CV Death + Heart Failure Hospitalization (by history of HF)**

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