

Supplement Table 1. Cox regression analysis in subgroups according to diabetes and low eGFR

Subgroup		ESKD			Mortality			MI			Stroke		
		Adjusted HR (95% CI)	<i>P</i>	<i>*Pi</i>	Adjusted HR (95% CI)	<i>P</i>	<i>*Pi</i>	Adjusted HR (95% CI)	<i>P</i>	<i>*Pi</i>	Adjusted HR (95% CI)	<i>P</i>	<i>*Pi</i>
Diabetes													
Yes	PPI	1.21 (0.74 to 1.96)	0.45	<i>0.01</i>	1.09 (0.86 to 1.39)	0.48	<i>0.61</i>	0.69 (0.35 to 1.35)	0.27	<i>0.79</i>	0.87 (0.52 to 1.48)	0.61	<i>0.45</i>
	H2RA	1 (Reference)			1 (Reference)			1 (Reference)			1 (Reference)		
No	PPI	3.07 (1.64 to 5.74)	< 0.001		1.17 (0.93 to 1.46)	0.18		0.71 (0.38 to 1.33)	0.29		1.20 (0.74 to 1.94)	0.46	
	H2RA	1 (Reference)			1 (Reference)			1 (Reference)			1 (Reference)		
eGFR													
≥ 60	PPI	2.59 (0.79 to 8.42)	0.55	<i>0.59</i>	1.14 (0.74 to 1.76)	0.58	<i>0.95</i>	0.94 (0.30 to 2.90)	0.91	<i>0.54</i>	0.99 (0.42 to 2.31)	0.98	<i>0.86</i>
	H2RA	1 (Reference)			1 (Reference)			1 (Reference)			1 (Reference)		
< 60	PPI	1.63 (1.09 to 2.43)	0.02		1.14 (0.96 to 1.36)	0.15		0.68 (0.41 to 1.12)	0.13		0.98 (0.66 to 1.45)	0.91	
	H2RA	1 (Reference)			1 (Reference)			1 (Reference)			1 (Reference)		

eGFR, estimated glomerular filtration rate; ESKD, end-stage kidney disease; MI, myocardial infarction; PPI, proton pump inhibitor; H2RA, histamine type 2 receptor antagonist

Adjusted for age, sex, BMI, hypertension, diabetes, eGFR, albuminuria, dyslipidemia, COPD, current smoker, alcohol, regular exercise, low income, and region of residence (urban or rural)

**P value for interaction*

Supplement Table 2. IPTW weighted Cox regression analysis of clinical outcomes

Outcome	Group	Weighted Incidence Rate (per 1000 PY)	Weighted HR (95% CI)	P
ESKD	PPI	13.31	1.72 (1.19 to 2.48)	0.03
	H2RA	7.86	1 (Reference)	
Mortality	PPI	66.26	1.14 (0.96 to 1.34)	0.12
	H2RA	55.74	1 (Reference)	
MI	PPI	7.60	0.72 (0.46 to 1.13)	0.1
	H2RA	10.73	1 (Reference)	
Stroke	PPI	14.48	1.04 (0.74 to 1.48)	0.9
	H2RA	13.52	1 (Reference)	

IPTW, inverse probability of treatment weight; PY, person-year; HR, hazard ratio; ESKD, end-stage kidney disease; MI, myocardial infarction