



**Supplementary Fig. 2.** Cumulative incidence of hospitalization for heart failure according to the 10 diabetic kidney disease phenotype. G1, estimated glomerular filtration rate (eGFR)  $\geq 60$  mL/min/1.73 m<sup>2</sup>, proteinuria (PU)<sup>-</sup>; G2, eGFR  $\geq 60$  mL/min/1.73 m<sup>2</sup>, proteinuria (PU)<sup>+</sup>; G3, eGFR  $< 60$  mL/min/1.73 m<sup>2</sup>, PU<sup>-</sup>; G4, eGFR  $< 60$  mL/min/1.73 m<sup>2</sup>, PU<sup>+</sup>. Black line, G1 at baseline; Blue line, G2 at baseline; Red line, G3 at baseline. Dotted line, no proteinuria; Solid line, new-onset proteinuria; Dashed line, regressive proteinuria; Double line, persistent proteinuria. With open circle, eGFR  $< 60$  mL/min/1.73 m<sup>2</sup> during second examination; Without open circle, eGFR  $\geq 60$  mL/min/1.73 m<sup>2</sup> during second examination. aIn case of group 3 and 4 at 2nd examination, only patients with eGFR 30 to 60 mL/min/1.73 m<sup>2</sup> were included according to the study inclusion criteria.