



**Supplementary Fig. 3.** Trajectory hazard ratios according to changes in proteinuria. Hazard ratios were adjusted for age, sex, body mass index, smoking, drinking, physical activity, hypertension, dyslipidemia, atrial fibrillation, ischemic heart disease, fasting glucose, diabetes duration, hemoglobin level, and insulin usage. 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>, 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>. <sup>a</sup>In 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.