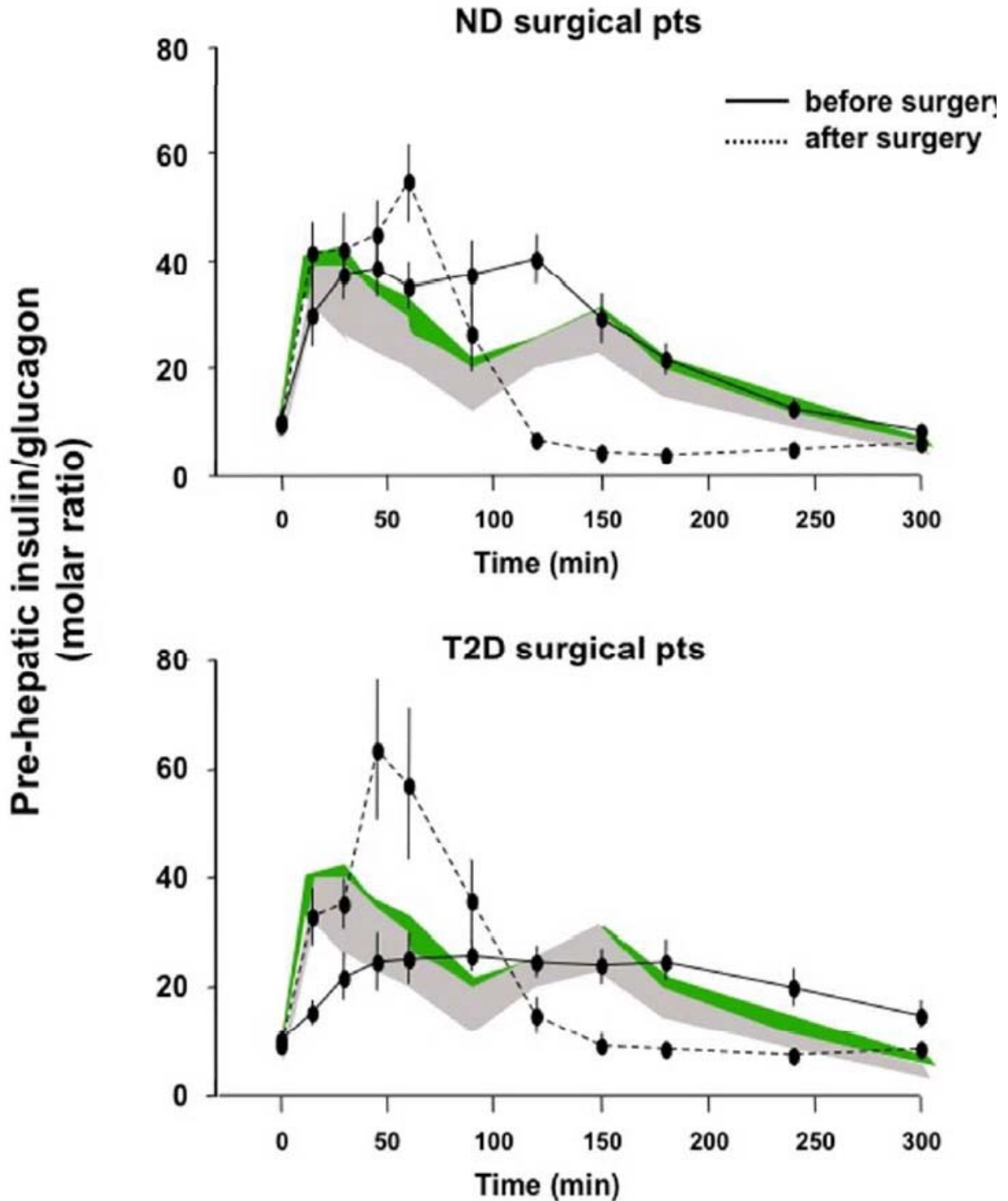


SUPPLEMENTARY DATA

**Supplementary Figure 1.** Time-course of the estimated insulin-to-glucagon molar concentration ratio (mean±SEM) in ND and T2D patients before and after surgery. The corresponding data for the lean control groups are shown by the green area, those for the obese control group are shown by the grey area.



SUPPLEMENTARY DATA

**Supplementary Figure 2.** Direct relationship between rate sensitivity of insulin secretory response to the meal and the incremental area under the GLP-1 response (A); relationship between the hepatic sensitivity index (= product of mean EGP and mean plasma insulin) and the area under the glucagon response (B).

