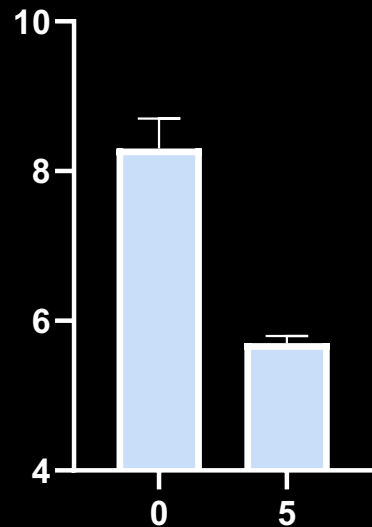
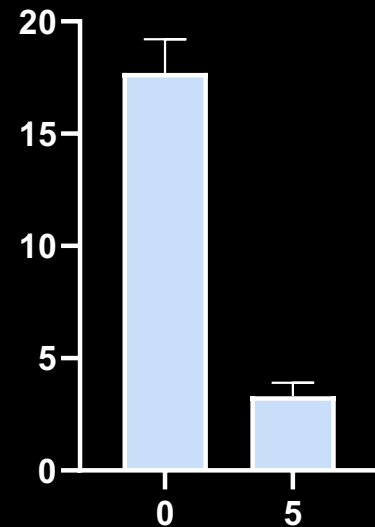


Changes at 5 months during remission of type 2 diabetes

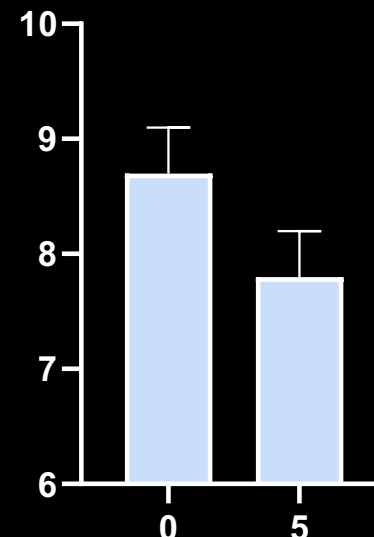
Fasting glucose



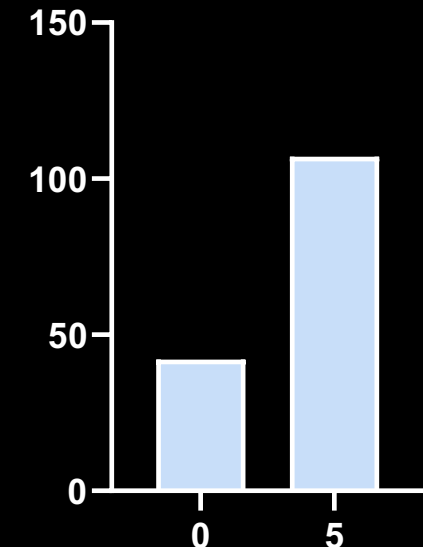
Liver fat



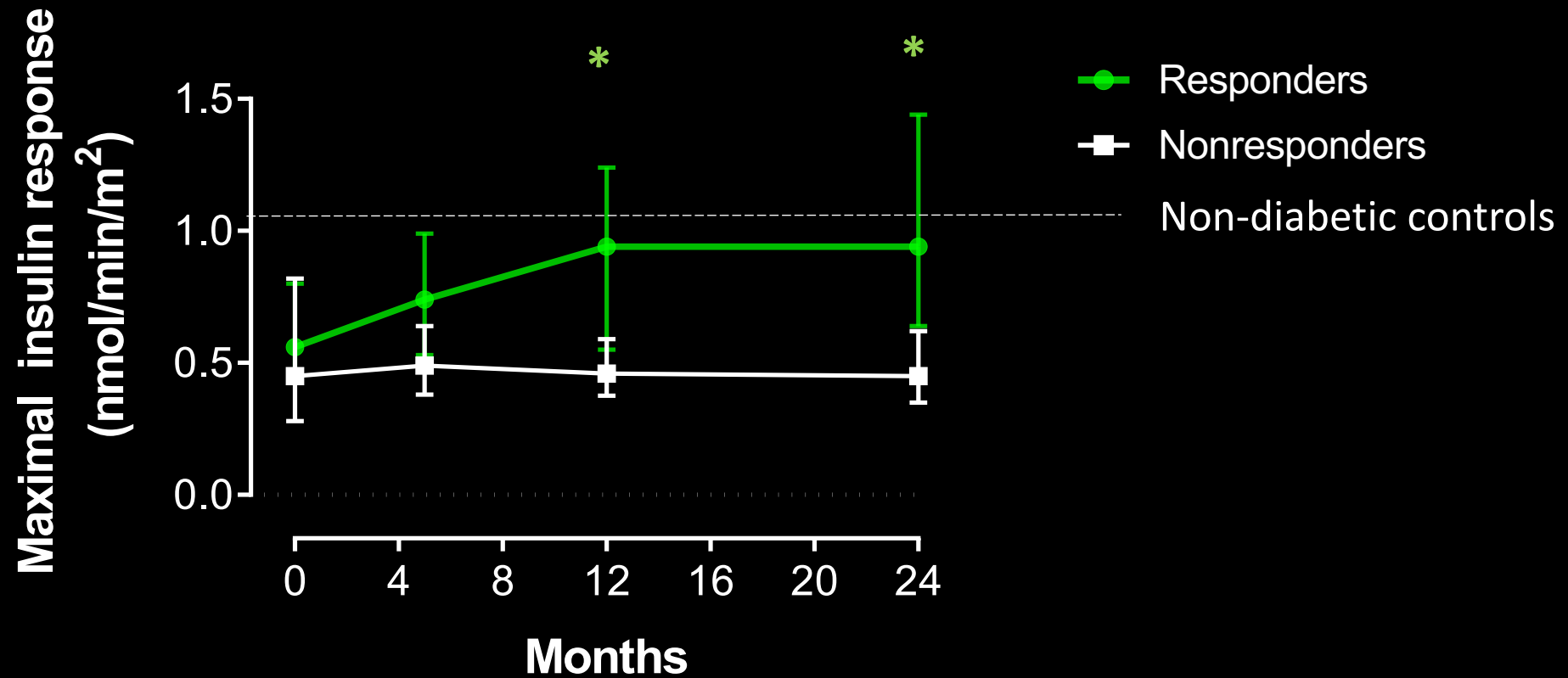
Pancreas fat



Acute insulin response

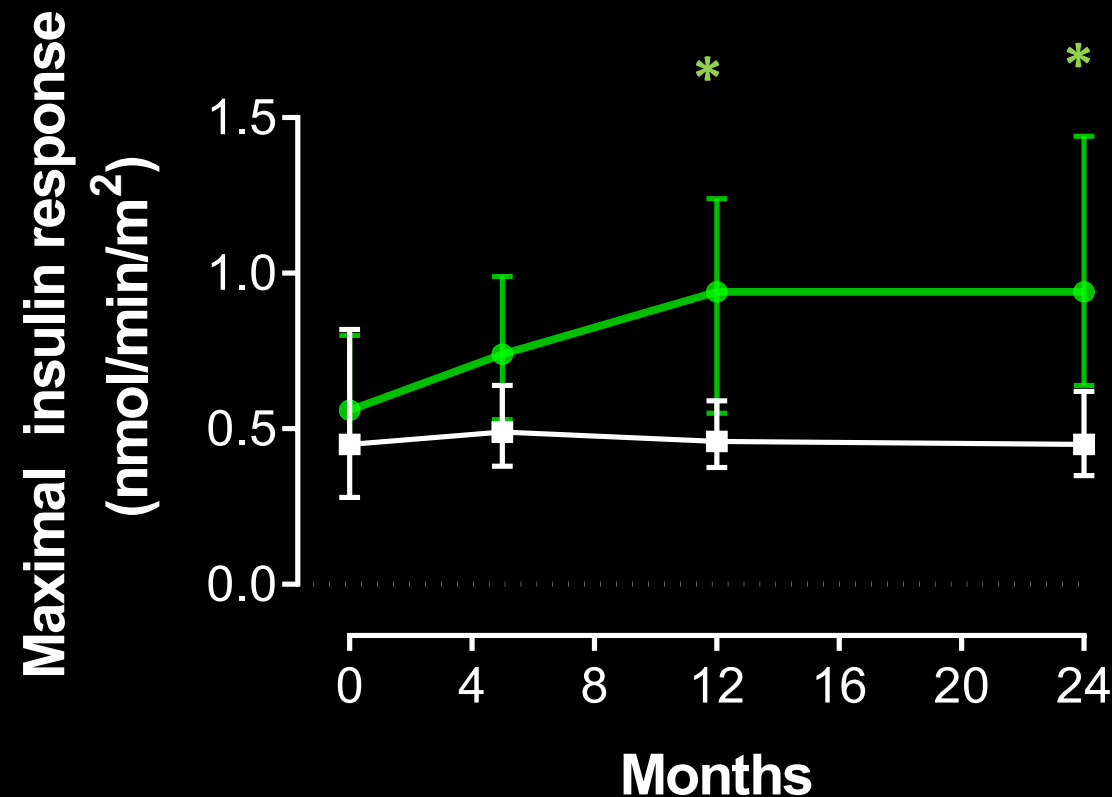
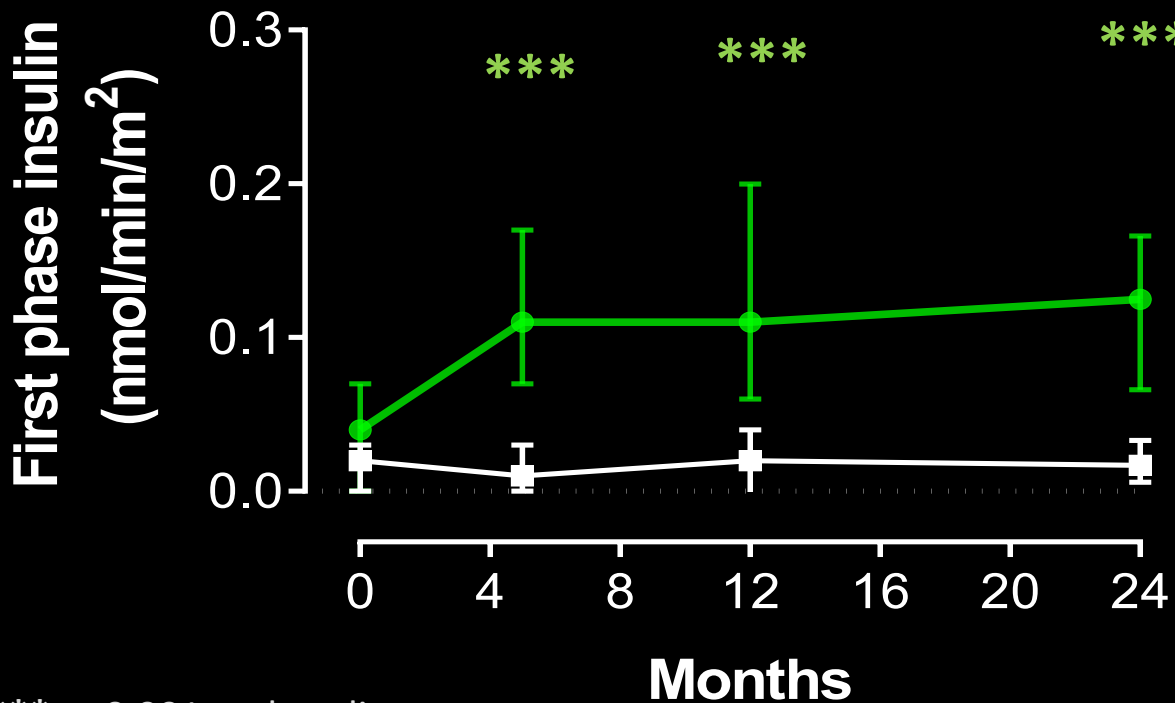


Complete recovery of functional beta cell mass as assessed by maximal (glucose + arginine) insulin secretory capacity



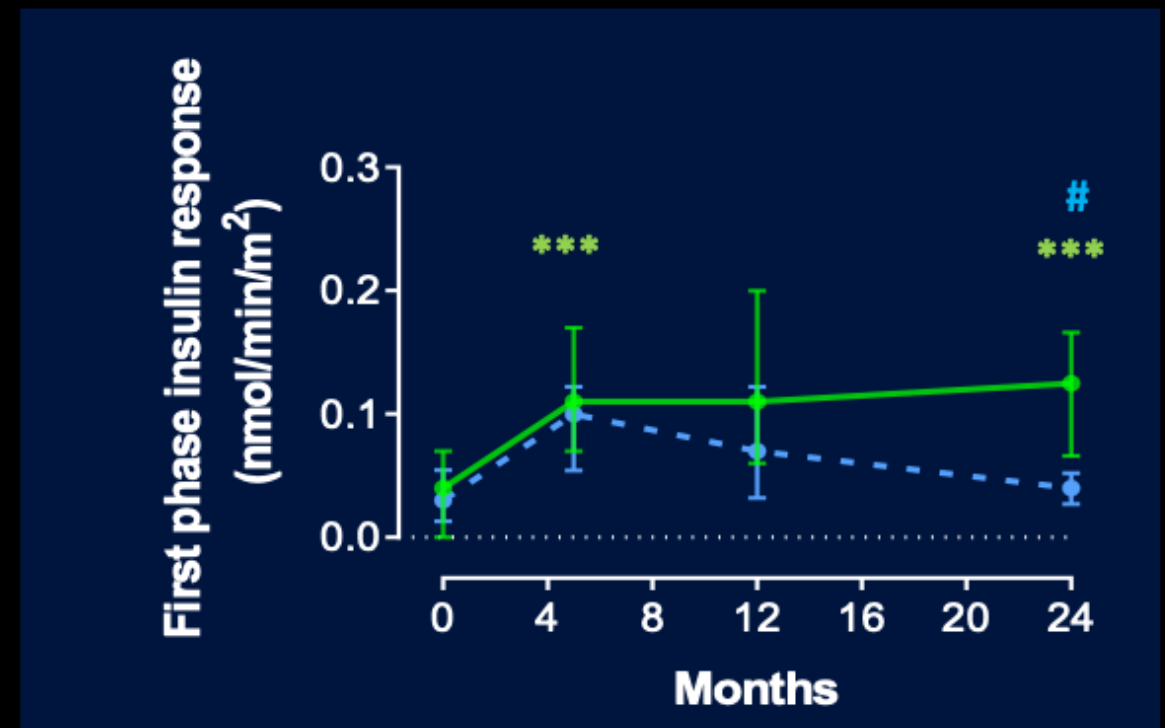
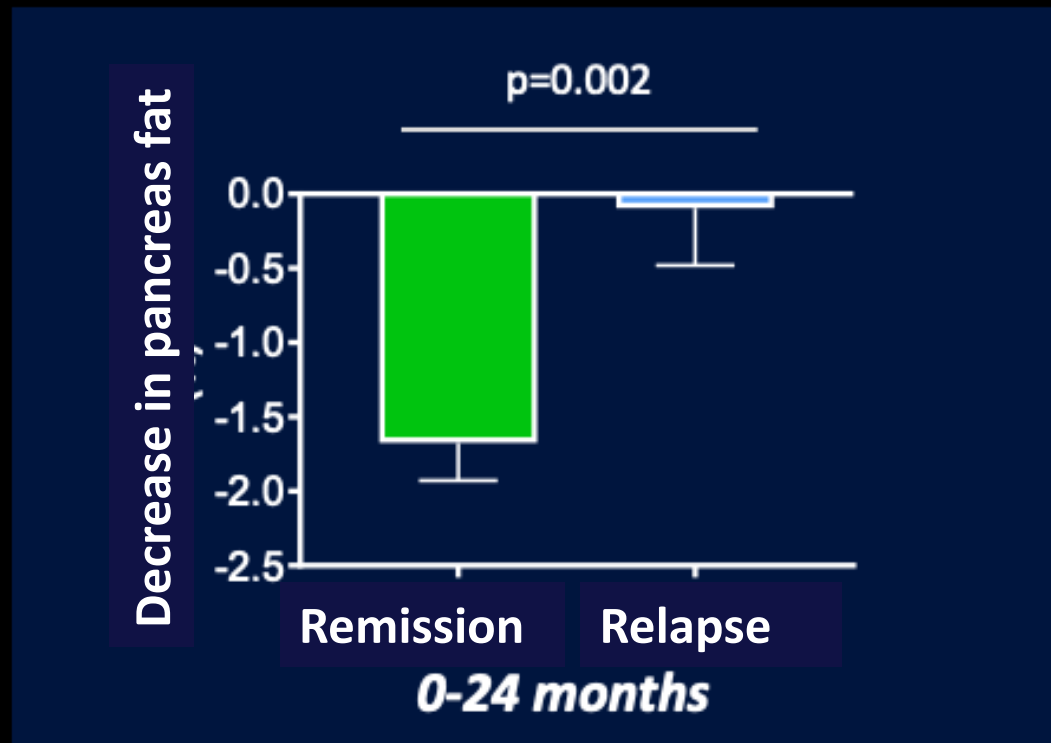
Remission depends on capacity of beta cells to recover once lipid excess is removed

● Responders
■ Nonresponders



*** p<0.001 vs. baseline,
** p<0.01 vs. baseline,
* p<0.05 vs. baseline

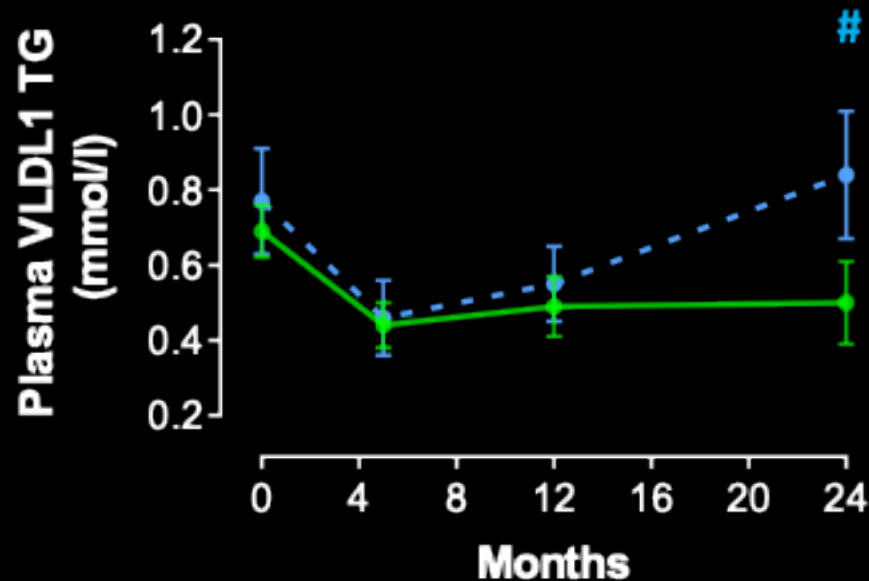
Observing T2DM develop: weight regain causes reaccumulation of fat inside the pancreas and loss of first phase insulin response



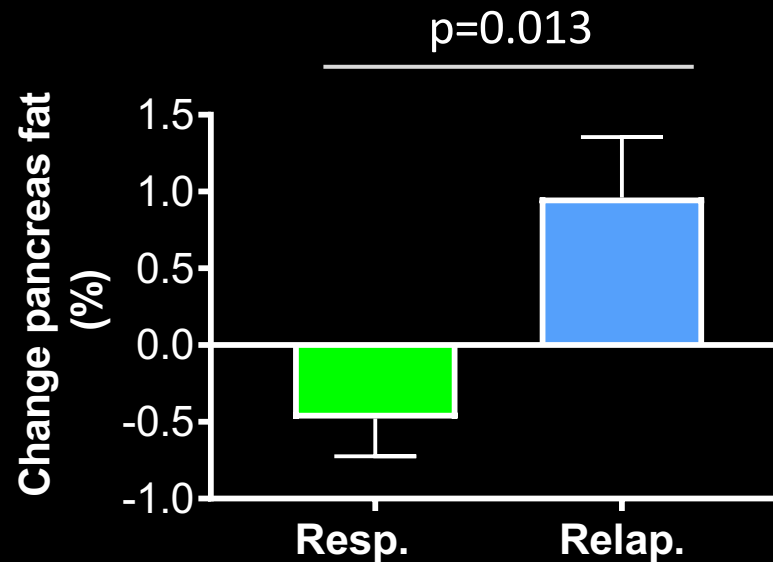
Sustaining remission demands continued suppression of hepatic VLDL1-TG production & no regain of pancreas fat

● Responders
● Relapsers

Time course



5 -24 months



0-24 months

