**ESM Fig. 5** Bubble plots presenting the leptin standardised mean (SMD) difference across different body mass index (BMI) levels, comparing the following groups in the sum of the included studies: NAFLD patients vs controls (a); SS patients vs controls (b); NASH patients vs controls (c) and NASH patients vs SS patients (d). X-axis represents BMI (kg/m²) and Y-axis represents leptin SMD. Each "bubble" represents a study. The size of each "bubble" is proportional to the weight that each study has in the meta-analysis. The dotted line represents the best-fit linear regression line, derived from the meta-regression analysis.
a. NAFLD vs. Control
b. Simple Steatosis vs. Control

![Graph showing the relationship between BMI (kg/m^2) and Leptin (SMD).](image-url)
c. NASH vs. Control

![Graph showing the relationship between BMI (kg/m²) and Leptin (SMD). The graph is a scatter plot with a downward trend line indicating a negative correlation.](image)
d. NASH vs. Simple Steatosis