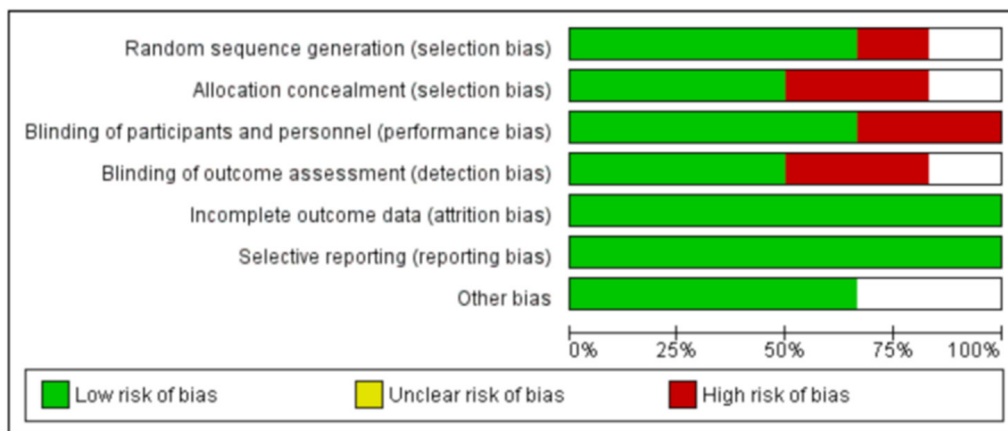


**Supplementary Fig. 9.** Valsalva manoeuvre (VM) mean difference considering before and after the glucagon-like peptide 1 receptor chronic administration. No significantly changes in VM value after treatment (mean difference, 0.04; 95% confidence interval [CI], -0.08 to 0.15;  $P=0.520$ ). SD, standard deviation; IV, inverse variance.



**Supplementary Fig. 10.** Risk of bias graph. Evaluation of the risk of bias showed a good quality of the studies, in terms of reporting and incomplete biases. On the contrary, a variable quality in terms of blinding was detected.