

## Appendix 1

### Search strategy

#1  
 ( ("non alcoholic"[tiab] OR "non-alcoholic"[tiab] OR nonalcoholic[tiab]) AND fatty[tiab] AND liver[tiab]) OR NAFL\*[tiab]  
 OR ( ("non alcoholic"[tiab] OR "non-alcoholic"[tiab] OR nonalcoholic[tiab]) AND (steatohepatiti\*[tiab] OR steato-  
 hepatitis[tiab] OR "steato hepatitis"[tiab] OR (hepatic[tiab] AND steatosis[tiab]))) OR NASH [tiab] OR "Non-alcoholic Fatty  
 Liver Disease"[Mesh]

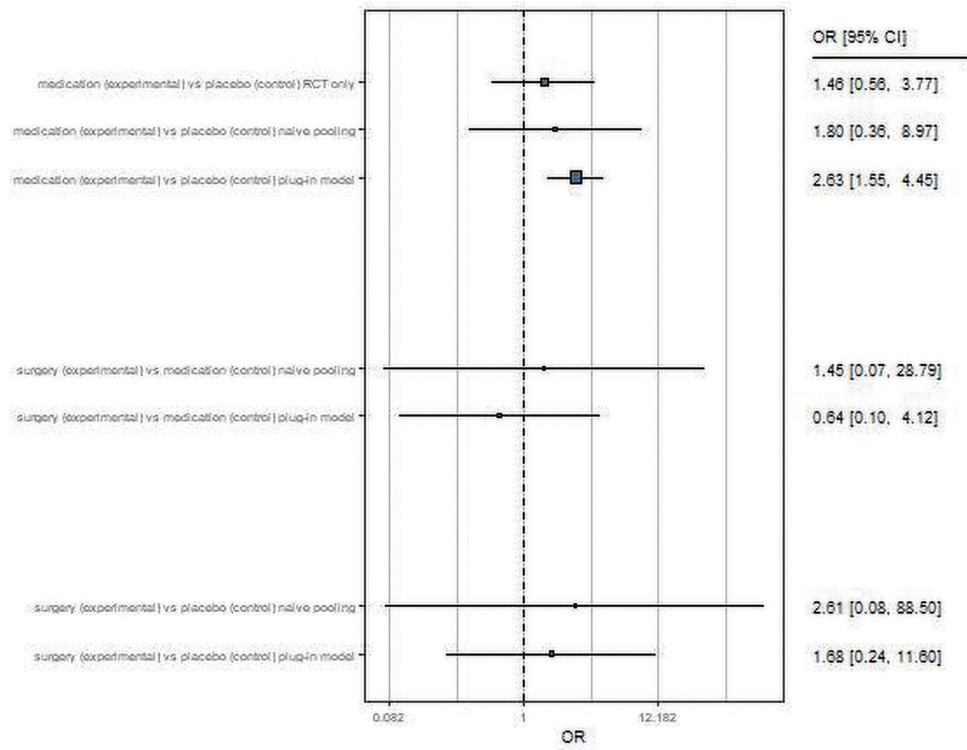
#2  
 ( (metaboli\*[tiab] OR bariatric\* [tiab] OR "weight loss"[tiab] OR obesity[tiab] OR obese[tiab]) AND (surgery[tiab] OR  
 surgeries[tiab] OR procedure\*[tiab] OR operation\*[tiab])) OR RYGB[tiab] OR "Roux-en-Y Gastric Bypass"[tiab] OR  
 (sleeve\*[tiab] AND (gastrectom\*[tiab] OR gastric[tiab])) OR ( (gastric[tiab] OR gastroileal\*[tiab]) AND bypass[tiab]) OR  
 ( (gastric[tiab] OR lap[tiab]) AND band\*[tiab]) OR gastroplast\*[tiab] OR gastrojejunostom\* [tiab] OR "biliopancreatic  
 diversion"[tiab] OR "Bariatric Surgery"[Mesh] OR "Gastric Bypass"[Mesh] OR "Gastroplasty"[Mesh]

#3  
 (therap\*[tiab] AND (drug\*[tiab] OR pharmacological\*[tiab] OR pharmaceutical\*[tiab] OR medical\*[tiab])) OR  
 pharmacotherap\*[tiab] OR "Glucagon-Like Peptide 1"[Mesh] OR „Glucagon-Like Peptide-1“[tiab] OR „Glucagon Like  
 Peptide 1“[tiab] OR “GLP-1”[tiab] OR “GLP 1”[tiab] OR “GLP1”[tiab] OR Liraglutid\*[tiab] OR exenatid\*[tiab] OR  
 dulaglutid\*[tiab] OR "Peroxisome Proliferator-Activated Receptors/agonists"[Mesh] OR agonist\*[tiab] AND (“Peroxisome  
 proliferator-activator receptors”[tiab] OR “Peroxisome Proliferator-activated Receptor” [tiab] OR PPAR\*[tiab])) OR  
 “potent farnesoid X receptor” [tiab] OR FXR[tiab] OR metformin\*[tiab] OR thiazolidinedione\*[tiab] OR TZD [tiab] OR  
 Glitazon\*[tiab] OR Rosiglitazon\*[tiab] OR Pioglitazon\*[tiab] OR "Thiazolidinediones"[Mesh]

#4  
 "Non-alcoholic Fatty Liver Disease/surgery"[Mesh] OR "Non-alcoholic Fatty Liver Disease/drug therapy"[Mesh]

#5  
 "Review"[pt] OR “case studies” [ti] OR “case study” [ti] OR “case report”[ti] OR "Case Reports"[pt] OR "Letter"[pt]  
 NOT (animals [mh] NOT humans [mh])





**Figure S2** Plug-in model with baseline BMI included for matching. BMI, Body Mass Index.

