

Supplementary Methods.

Search Strategy: up to November 20, 2024 (18,237 articles)

Pubmed: up to November 20, 2024 (3,235 articles)

("Non-alcoholic Fatty Liver Disease/drug therapy"[Mesh] OR (("Non-alcoholic Fatty Liver Disease"[Mesh.noexp] OR "non alcoholic fatty liver"[tiab.~1] OR "nonalcoholic fatty liver"[tiab.~1] OR NAFLD[tw] OR "non alcoholic steatohepatitis"[tiab.~1] OR "nonalcoholic steatohepatitis"[tiab.~1] OR (NASH[tiab] AND liver)) OR ("metabolic dysfunction-associated fatty liver disease"[tiab.~1] OR "metabolic dysfunction associated fatty liver disease"[tiab.~1] OR "metabolic-associated fatty liver disease"[tiab.~1] OR "metabolic associated fatty liver disease"[tiab.~1] OR MAFLD[tw] OR MAFLD[tiab] AND liver) OR ("metabolic dysfunction-associated steatotic liver disease"[tiab.~1] OR "metabolic dysfunction associated steatotic liver disease"[tiab.~1] OR MASLD[tw] OR "metabolic dysfunction-associated steatohepatitis"[tiab.~1] OR "metabolic-associated steatohepatitis"[tiab.~1] OR (MASH[tiab] AND liver)) AND ("Randomized Controlled Trial"[pt] OR random*[tiab] OR "controlled clinical trial"[pt] OR "Double-Blind Method"[mesh] OR blind*[tiab] OR placebo[tiab] OR "phase trial"[tiab.~2] OR "phase trials"[tiab.~2] OR "phase study"[tiab.~2] OR "phase studies"[tiab.~2] OR trial[tiab]) AND ("therapeutic use"[sh] OR "drug therapy"[sh] OR "drug therapy"[mesh] OR efficacy[tiab] OR therap*[tiab] OR dose*[tiab] OR agent*[tiab] OR pharmac*[tw] OR pharmaceutical*[tw] OR drug[tw] OR medication*[tw] OR "drug evaluation"[mesh] OR Aldafermin[tw] OR Aramchol[tw] OR Belapectin[tw] OR BI456906[tw] OR "BI 456906"[tw] OR Cenicriviroc[tw] OR Cilofexor[tw] OR Cotadutide[tw] OR Denifanstat[tw] OR EDP305[tw] OR "EDP 305"[tw] OR Efruxifermin[tw] OR Elafibranor[tw] OR Emricasan[tw] OR Firsocostat[tw] OR GFT505[tw] OR "GFT 505"[tw] OR Glimepiride[tw] OR GSK4532990[tw] OR "GSK 4532990"[tw] OR Icosabutate[tw] OR ION224[tw] OR "ION 224"[tw] OR Lanifibranor[tw] OR "L-carnitine"[tw] OR "Lcarnitine"[tw] OR Liraglutide[tw] OR Losartan[tw] OR "MET 409"[tw] OR "MET409"[tw] OR "MET 642"[tw] OR "MET642"[tw] OR Metadoxine[tw] OR Metformin[tw] OR "MSDC-0602K"[tw] OR "MSDC0602K"[tw] OR "Obeticholic acid"[tw] OR "omega-3 PUFA"[tw] OR "Omega-3"[tw] OR "Omega PUFA"[tiab.~3] OR Orlistat[tw] OR Pegozafermin[tw] OR Pemvidutide[tw] OR Pentoxifylline[tw] OR Pioglitazone[tw] OR PXL065[tw] OR "PXL 065"[tw] OR Rencofilstat[tw] OR Resmetirom[tw] OR "MGL-3196"[tw] OR "MGL3196"[tw] OR Rosi[tw] OR Rosiglitazone[tw] OR Saroglitazar[tw] OR Seladelpar[tw] OR Selonsertib[tw] OR Semaglutide[tw] OR Silymarin[tw] OR Simtuzumab[tw] OR Simvastatin[tw] OR Sitagliptin[tw] OR Telmisartan[tw] OR Tirzepatide[tw] OR Tofogliflozin[tw] OR tropifexor[tw] OR UDCA[tw] OR "Vitamin C"[tw] OR "Vitamin E"[tw] OR Viusid[tw] OR VK2809[tw] OR "VK 2809"[tw] OR Volixibat[tw]))) NOT (animals[mesh] NOT humans[mesh]) NOT ((infant[mesh] OR child[mesh] OR adolescent[mesh]) NOT adult[mesh]) NOT (review[pt] NOT ("systematic review"[pt] OR "systematic review"[ti] OR "scoping review"[ti] OR "meta analysis"[pt] OR "meta analysis"[ti] OR metaanalysis[ti])) NOT (comment[pt] OR letter[pt] OR editorial[pt] OR "rats"[ti])

Cochrane Library: up to November 20, 2024 (5,383 articles)

((("Non alcoholic fatty" OR "nonalcoholic fatty" OR "NASH") AND (hepatic OR liver OR

steatohepatitis)) OR "NAFLD") OR (((("Metabolic dysfunction associated" OR "metabolic associated") AND (hepatic OR liver)) OR "MAFLD") OR (((("Metabolic dysfunction associated steatotic" OR "MASH") AND (hepatic OR liver OR steatohepatitis)) OR "MASLD") AND ("randomized controlled trial" OR "randomized controlled trials" OR "clinical trial" OR "clinical trials" OR (phase* AND (trial OR trials OR study OR studies)) OR random* OR blind* OR "double-blind" OR "single-blind" OR "triple-blind" OR placebo OR trial*) AND ((efficacy OR efficacy OR therap* OR dose* OR agent*) OR ("therapeutic use" OR "drug therapy" OR "drug therapies" OR pharmac* OR drug OR drugs OR medication* OR "drug evaluation" OR Aldafermin OR aramchol OR belapectin OR BI456906 OR "BI 456906" OR Cenicriviroc OR Cilofexor OR Cotadutide OR Denifanstat OR eap30 OR "EDP 305" OR Efruxifermin OR Elafibranor OR Emricasan OR Firsocostat OR gt9505 OR "GFT 505" OR Glimepiride OR GSK4532990 OR "GSK 4532990" OR Icosabutate OR ile172 OR "ION 224" OR Lanifibranor OR "L-carnitine" OR "lcarnitine" OR Liraglutide OR Losartan OR "MET 409" OR "met106" OR "MET 642" OR "met112" OR metaloxide OR Metformin OR "MSDC-0602K" OR "MSDC0602K" OR "Obeticholic acid" OR "omega-3 PUFA" OR "Omega-3" OR (Omega NEXT PUFA) OR Orlistat OR Pegzofermin OR Pemvidutide OR Pentoxifylline OR Pioglitazone OR pff01 OR "PXL 065" OR Rencofilstat OR Resmetirom OR "MGL-3196" OR "mgl3196" OR Rosi OR Rosiglitazone OR Saroglitazar OR Seladelpar OR Selonsertib OR Semaglutide OR Silymarin OR Simtuzumab OR Simvastatin OR Sitagliptin OR Telmisartan OR Tirzepatide OR Tofogliflozin OR tropifexor OR UDCA OR "Vitamin C" OR "Vitamin E" OR "viusid" OR vc1805 OR "VK 2809" OR Volixibat))

Embase: up to November 20, 2024 (3,076 articles)

('nonalcoholic fatty liver'/exp OR (((('non alcoholic' OR 'nonalcoholic') NEAR/2 fatty NEAR/2 (liver OR hepat* OR steatohepatitis)).ti,ab) OR nafld.ti,ab,kw,de OR (nash.ti,ab AND liver.ti,ab,kw) OR 'metabolic dysfunction associated fatty liver'/exp OR (((('metabolic dysfunction associated' OR 'metabolic associated') NEAR/2 fatty NEAR/2 (liver OR hepat* OR steatohepatitis)).ti,ab) OR mafld.ti,ab,kw,de OR 'metabolic dysfunction associated steatotic liver'/exp OR (((('metabolic dysfunction associated') NEAR/2 steatotic NEAR/2 (liver OR hepat* OR steatohepatitis)).ti,ab) OR masld.ti,ab,kw,de OR (mash.ti,ab AND liver.ti,ab,kw)) AND ('randomized controlled trial'/exp OR random*.ti,ab OR 'controlled clinical trial'/exp OR 'double blind procedure'/exp OR blind*.ti,ab OR placebo.ti,ab OR ((phase NEAR/3 (trial OR trials OR study OR studies)).ti,ab,kw) OR 'clinical trial'.lnk OR trial.ti,ab) AND ('drug therapy'.lnk OR 'drug therapy'/exp OR efficacy.ti,ab OR therap*.ti,ab OR dose*.ti,ab OR agent*.ti,ab OR pharmac*.ti,ab,kw,de OR pharmaceutic*.ti,ab,kw,de OR drug.ti,ab,kw,de OR medication*.ti,ab,kw,de OR 'drug evaluation'.ti,ab,kw OR 'adverse drug reaction'.lnk OR 'drug comparison'.lnk OR 'drug interaction'.lnk OR aldafermin.ti,ab,kw,de,tn,mn OR aramchol.ti,ab,kw,de,tn,mn OR belapectin.ti,ab,kw,de,tn,mn OR bi456906.ti,ab,kw,de,tn,mn OR 'bi 456906'.ti,ab,kw,de,tn,mn OR cenicriviroc.ti,ab,kw,de,tn,mn OR cilofexor.ti,ab,kw,de,tn,mn OR cotadutide.ti,ab,kw,de,tn,mn OR denifanstat.ti,ab,kw,de,tn,mn OR edp305.ti,ab,kw,de,tn,mn OR 'edp 305'.ti,ab,kw,de,tn,mn OR efruxifermin.ti,ab,kw,de,tn,mn OR elafibranor.ti,ab,kw,de,tn,mn OR emricasan.ti,ab,kw,de,tn,mn OR firsocostat.ti,ab,kw,de,tn,mn OR gft505.ti,ab,kw,de,tn,mn OR 'gft 505'.ti,ab,kw,de,tn,mn OR glimepiride.ti,ab,kw,de,tn,mn OR

gsk4532990.ti,ab,kw,de,tn,mn OR 'gsk 4532990'.ti,ab,kw,de,tn,mn OR
icosabutate.ti,ab,kw,de,tn,mn OR ion224.ti,ab,kw,de,tn,mn OR 'ion 224'.ti,ab,kw,de,tn,mn OR
lanifibranor.ti,ab,kw,de,tn,mn OR 'l-carnitine'.ti,ab,kw,de,tn,mn OR 'l carnitine'.ti,ab,kw,de,tn,mn
OR liraglutide.ti,ab,kw,de,tn,mn OR losartan.ti,ab,kw,de,tn,mn OR 'met 409'.ti,ab,kw,de,tn,mn
OR 'met409'.ti,ab,kw,de,tn,mn OR 'met 642'.ti,ab,kw,de,tn,mn OR 'met642'.ti,ab,kw,de,tn,mn OR
metadoxine.ti,ab,kw,de,tn,mn OR metformin.ti,ab,kw,de,tn,mn OR
'msdc-0602k'.ti,ab,kw,de,tn,mn OR 'msdc0602k'.ti,ab,kw,de,tn,mn OR 'obeticholic
acid'.ti,ab,kw,de,tn,mn OR 'omega-3 pufa'.ti,ab,kw,de,tn,mn OR 'omega-3'.ti,ab,kw,de,tn,mn OR
((omega NEAR/4 pufa).ti,ab) OR orlistat.ti,ab,kw,de,tn,mn OR pegozafermin.ti,ab,kw,de,tn,mn
OR pemvidutide.ti,ab,kw,de,tn,mn OR pentoxifylline.ti,ab,kw,de,tn,mn OR
pioglitazone.ti,ab,kw,de,tn,mn OR pxl065.ti,ab,kw,de,tn,mn OR 'pxl 065'.ti,ab,kw,de,tn,mn OR
rencofilstat.ti,ab,kw,de,tn,mn OR resmetirom.ti,ab,kw,de,tn,mn OR 'mgl-3196'.ti,ab,kw,de,tn,mn
OR 'mgl3196'.ti,ab,kw,de,tn,mn OR rosi.ti,ab,kw,de,tn,mn OR rosiglitazone.ti,ab,kw,de,tn,mn OR
saroglitazar.ti,ab,kw,de,tn,mn OR seladelpar.ti,ab,kw,de,tn,mn OR selonsertib.ti,ab,kw,de,tn,mn
OR semaglutide.ti,ab,kw,de,tn,mn OR silymarin.ti,ab,kw,de,tn,mn OR
simtuzumab.ti,ab,kw,de,tn,mn OR simvastatin.ti,ab,kw,de,tn,mn OR sitagliptin.ti,ab,kw,de,tn,mn
OR telmisartan.ti,ab,kw,de,tn,mn OR tirzepatide.ti,ab,kw,de,tn,mn OR
tofogliflozin.ti,ab,kw,de,tn,mn OR tropifexor.ti,ab,kw,de,tn,mn OR udca.ti,ab,kw,de,tn,mn OR
'vitamin c'.ti,ab,kw,de,tn,mn OR 'vitamin e'.ti,ab,kw,de,tn,mn OR viusid.ti,ab,kw,de,tn,mn OR
vk2809.ti,ab,kw,de,tn,mn OR 'vk 2809'.ti,ab,kw,de,tn,mn OR volixibat.ti,ab,kw,de,tn,mn) NOT
('animal'/exp NOT 'human'/exp) NOT (('juvenile'/exp OR 'child'/exp OR 'adolescent'/exp) NOT
'adult'/exp) NOT ('review'/exp NOT ('systematic review'/exp OR 'systematic review'.ti OR
'scoping review'.ti OR 'meta analysis'.ti OR metaanalysis.ti)) NOT 'rats'.ti NOT ([conference
abstract]/lim OR [conference review]/lim OR [editorial]/lim OR [letter]/lim OR [note]/lim)

Scopus: up to November 20, 2024 (4,041 articles)

((TITLE-ABS-KEY(((("non alcoholic" OR "nonalcoholic") W/2 fatty W/2 (liver OR hepat* OR
steatohepatitis)) OR nafld OR (nash AND liver))) OR (TITLE-ABS-KEY(((("metabolic
dysfunction associated fatty liver" OR "metabolic associated fatty liver") W/2 fatty W/2 (liver OR
hepat* OR steatohepatitis)) OR mafld)) OR (TITLE-ABS-KEY(((("metabolic dysfunction
associated") W/2 steatotic W/2 (liver OR hepat* OR steatohepatitis)) OR masld OR (mash AND
liver)))) AND (TITLE-ABS-KEY("randomized controlled trial*" OR "clinical trial*" OR "double
blind*" OR (phase* W/3 (trial OR trials OR study OR studies))) OR TITLE-ABS(random* OR
blind* OR placebo OR trial* OR "double-blind" OR "single-blind" OR "triple-blind")) AND
(TITLE-ABS(efficacy OR efficacy OR therap* OR dose* OR agent*) OR
TITLE-ABS-KEY("therapeutic use" OR "drug therap*" OR pharmac* OR pharmaceutical* OR
drug OR drugs OR medication* OR "drug evaluation" OR Aldafermin OR aramchol OR
belapectin OR BI456906 OR "BI 456906" OR Cenicriviroc OR Cilofexor OR Cotadutide OR
Denifanstat OR eap30 OR "EDP 305" OR Efruxifermin OR Elafibranor OR Emricasan OR
Firsocostat OR gt9505 OR "GFT 505" OR Glimepiride OR GSK4532990 OR "GSK 4532990"
OR Icosabutate OR ile172 OR "ION 224" OR Lanifibranor OR "L-carnitine" OR "l carnitine" OR
Liraglutide OR Losartan OR "MET 409" OR "met106" OR "MET 642" OR "met112" OR
metaloxide OR Metformin OR "MSDC-0602K" OR "MSDC0602K" OR "Obeticholic acid" OR

"omega-3 PUFA" OR "Omega-3" OR (Omega W/4 PUFA) OR Orlistat OR Pegozafermin OR Pemvidutide OR Pentoxifylline OR Pioglitazone OR pff01 OR "PXL 065" OR Rencofilstat OR Resmetirom OR "MGL-3196" OR "mgl3196" OR Rosi OR Rosiglitazone OR Saroglitazar OR Seladelpar OR Selonsertib OR Semaglutide OR Silymarin OR Simtuzumab OR Simvastatin OR Sitagliptin OR Telmisartan OR Tirzepatide OR Tofogliflozin OR tropifexor OR UDCA OR "Vitamin C" OR "Vitamin E" OR "viusid" OR vc1805 OR "VK 2809" OR Volixibat)) AND NOT TITLE("rats") AND NOT (DOCTYPE(re) AND NOT TITLE("systematic review" OR "scoping review" OR "meta analysis" OR metaanalysis)) AND NOT (DOCTYPE(cr) OR DOCTYPE(ed) OR DOCTYPE(le) OR DOCTYPE(bk) OR DOCTYPE(ch) OR DOCTYPE(no))

Web of Science: up to November 20, 2024 (2,502 articles)

(TS=((("non alcoholic" OR "nonalcoholic") NEAR/2 fatty NEAR/2 (liver OR hepat* OR steatohepatitis)) OR nafld OR (nash AND liver) OR (("metabolic dysfunction associated" OR "metabolic associated") NEAR/2 fatty NEAR/2 (liver OR hepat* OR steatohepatitis)) OR mafld OR (("metabolic dysfunction associated") NEAR/2 steatotic NEAR/2 (liver OR hepat* OR steatohepatitis)) OR masld OR (mash AND liver)) AND (((TS=("randomized controlled trial*" OR "clinical trial*" OR "double blind*" OR (phase* NEAR/3 (trial OR trials OR study OR studies)))) OR TI=(random* OR blind* OR placebo OR trial* OR "double-blind" OR "single-blind" OR "triple-blind") OR AB=(random* OR blind* OR placebo OR trial*)) AND (TI=(efficacy OR efficacy OR therap* OR dose* OR agent* OR "double-blind" OR "single-blind" OR "triple-blind") OR AB=(efficacy OR efficacy OR therap* OR dose* OR agent*) OR TS=("therapeutic use" OR "drug therap*" OR pharmac* OR pharmaceutic* OR drug OR drugs OR medication* OR "drug evaluation" OR Aldafermin OR aramchol OR belapectin OR BI456906 OR "BI 456906" OR Cenicriviroc OR Cilofexor OR Cotadutide OR Denifanstat OR eap30 OR "EDP 305" OR Efruxifermin OR Elafibranor OR Emricasan OR Firsocostat OR gt9505 OR "GFT 505" OR Glimepiride OR GSK4532990 OR "GSK 4532990" OR Icosabutate OR ile172 OR "ION 224" OR Lanifibranor OR "L-carnitine" OR "lcarnitine" OR Liraglutide OR Losartan OR "MET 409" OR "met106" OR "MET 642" OR "met112" OR metaloxide OR Metformin OR "MSDC-0602K" OR "MSDC0602K" OR "Obeticholic acid" OR "omega-3 PUFA" OR "Omega-3" OR (Omega NEAR/4 PUFA) OR Orlistat OR Pegozafermin OR Pemvidutide OR Pentoxifylline OR Pioglitazone OR pff01 OR "PXL 065" OR Rencofilstat OR Resmetirom OR "MGL-3196" OR "mgl3196" OR Rosi OR Rosiglitazone OR Saroglitazar OR Seladelpar OR Selonsertib OR Semaglutide OR Silymarin OR Simtuzumab OR Simvastatin OR Sitagliptin OR Telmisartan OR Tirzepatide OR Tofogliflozin OR tropifexor OR UDCA OR "Vitamin C" OR "Vitamin E" OR "viusid" OR vc1805 OR "VK 2809" OR Volixibat))) NOT TI=("rats") NOT (DT=("Review" OR "Meeting Abstract" OR "Editorial Material" OR "Letter" OR "Book Chapter") NOT TI=("systematic review" OR "scoping review" OR "meta analysis" OR metaanalysis))