

Supplementary Material

Efficacy and Safety of resmetirom for the Treatment of Nonalcoholic Steatohepatitis (NASH): A GRADE assessed Systematic Review and Meta-Analysis

This supplemental material has been provided by the authors to give readers additional
information about their work.

Supplementary Table S1: Detailed Database Search Strategy:

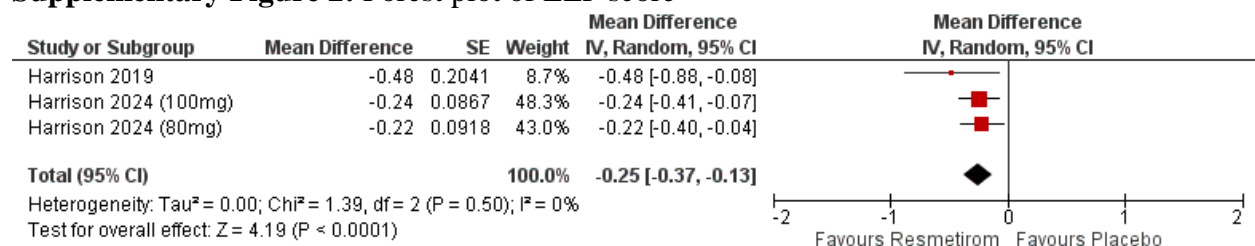
PubMed	("resmetirom"[Supplementary Concept] OR "resmetirom"[All Fields] OR "mgl 3196"[All Fields])) AND ("naflds"[All Fields] OR "non alcoholic fatty liver disease"[MeSH Terms] OR ("non alcoholic"[All Fields] AND "fatty"[All Fields] AND "liver"[All Fields] AND "disease"[All Fields]) OR "non alcoholic fatty liver disease"[All Fields] OR "nafld"[All Fields] OR "nash"[All Fields])	44
Google scholar	((resmetirom) OR (MGL-3196)) AND (((NASH) OR (NAFLD)) OR ("Non-alcoholic Fatty Liver Disease")) OR ("non-alcoholic steatohepatitis"))	1,490
Cochrane	((resmetirom) OR (MGL-3196)) AND (((NASH) OR (NAFLD)) OR ("Non-alcoholic Fatty Liver Disease")) OR ("non-alcoholic steatohepatitis"))	56
Scopus	(resmetirom) OR (mgl-3196) AND (nash) OR (nafld) OR ("Non-alcoholic Fatty Liver Disease") OR ("non-alcoholic steatohepatitis")	163

Supplementary Figure 1: QA of RCTs

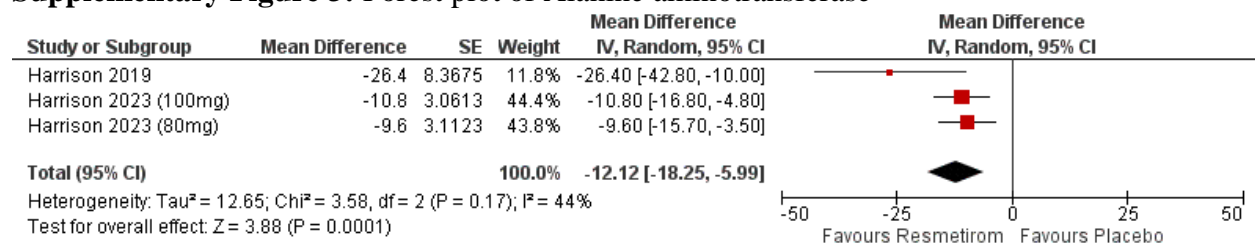
Intention-to-treat	Study ID	D1	D2	D3	D4	D5	Overall	
	Harrison 2019	+	+	+	+	!	+	Low risk
	Harrison 2023	+	+	+	+	!	+	Some concerns
	Harrison 2024	+	+	+	+	!	+	High risk

D1 Randomisation process
 D2 Deviations from the intended interventions
 D3 Missing outcome data
 D4 Measurement of the outcome
 D5 Selection of the reported result

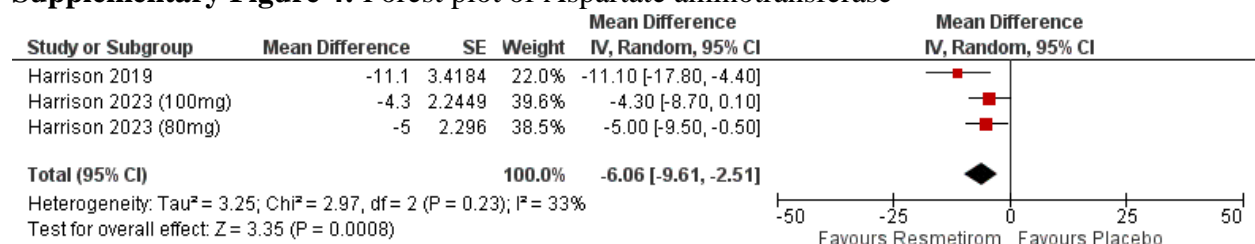
Supplementary Figure 2: Forest plot of ELF score



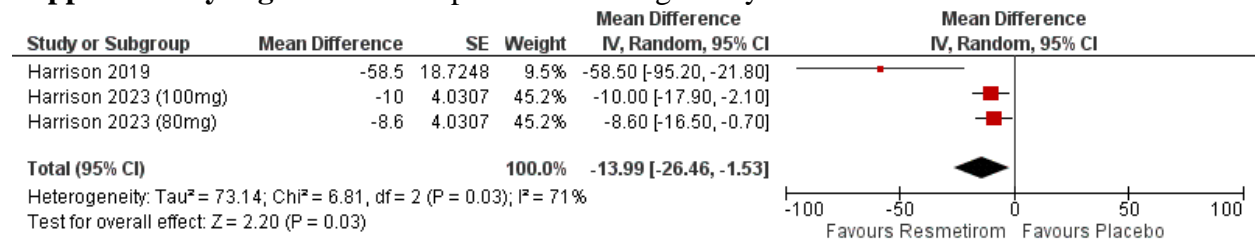
Supplementary Figure 3: Forest plot of Alanine aminotransferase



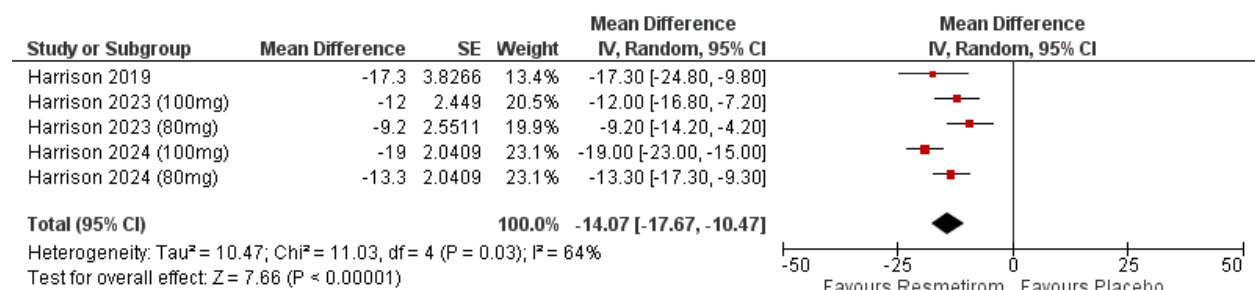
Supplementary Figure 4: Forest plot of Aspartate aminotransferase



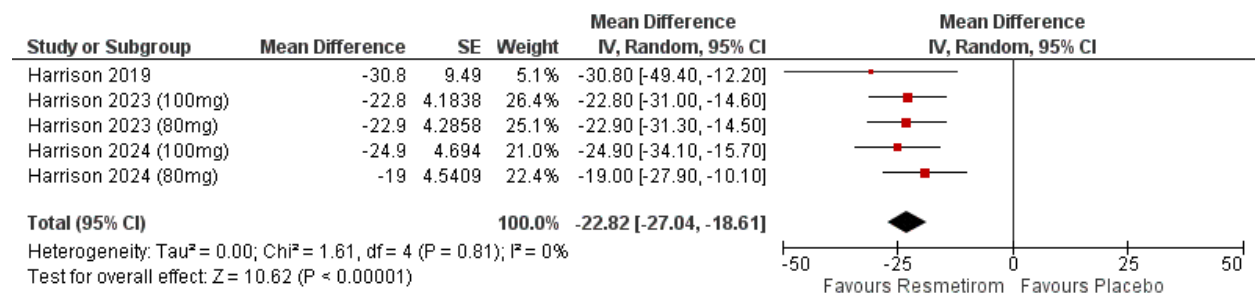
Supplementary Figure 5: Forest plot of Gamma-glutamyl transferase



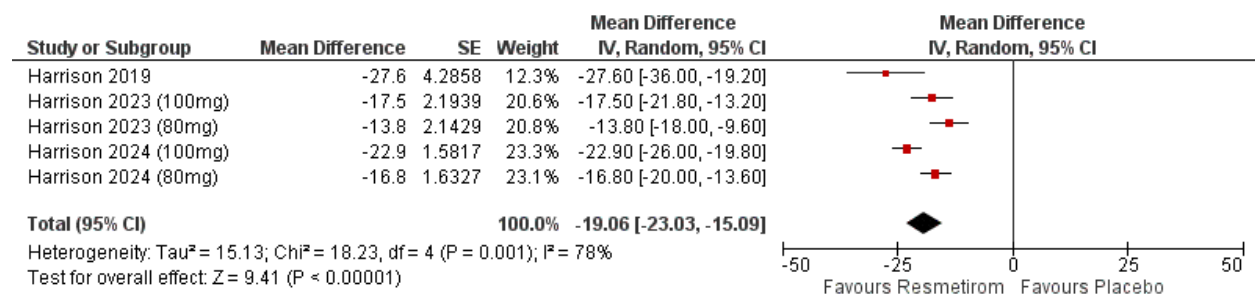
Supplementary Figure 6: Forest plot of LDL cholesterol



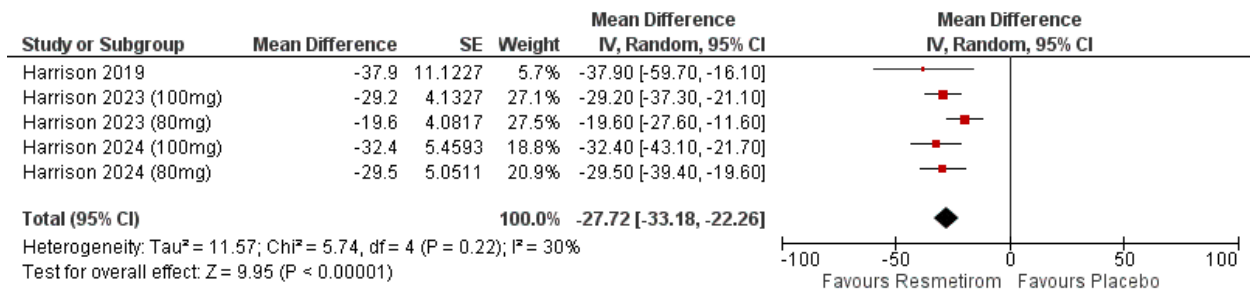
Supplementary Figure 7: Forest plot of Triglycerides



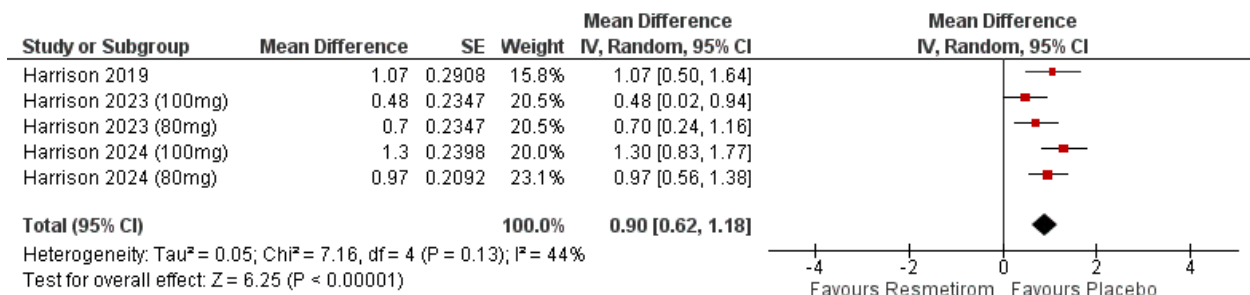
Supplementary Figure 8: Forest plot of Apolipoprotein b



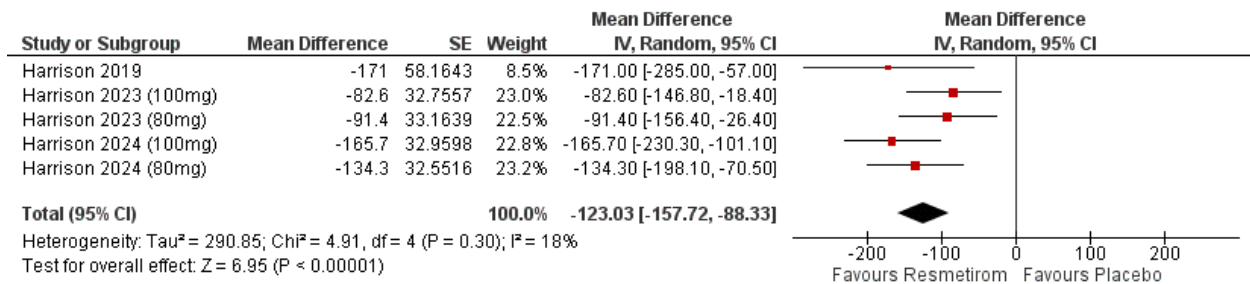
Supplementary Figure 9: Forest plot of Lpa



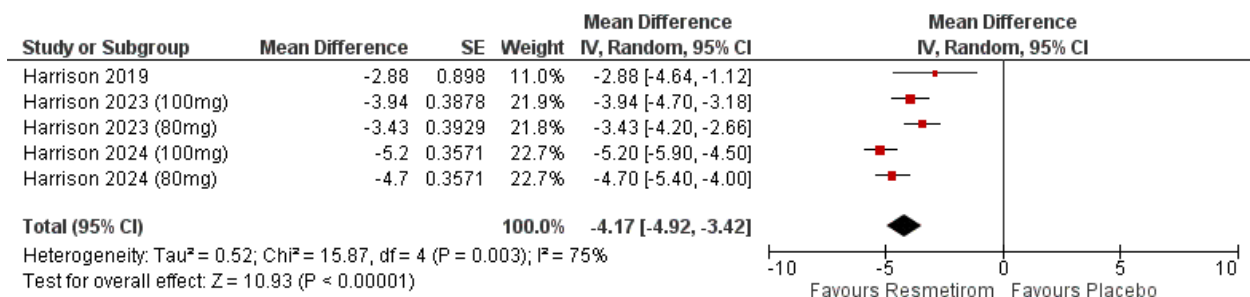
Supplementary Figure 10: Forest plot of Adiponectin



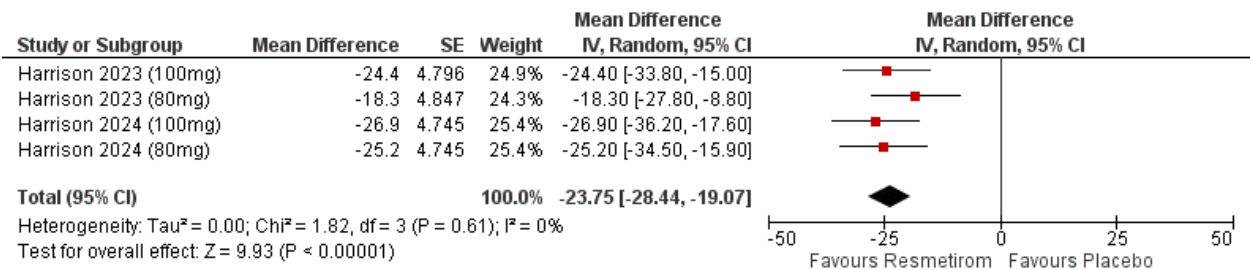
Supplementary Figure 11: Forest plot of CK18M30



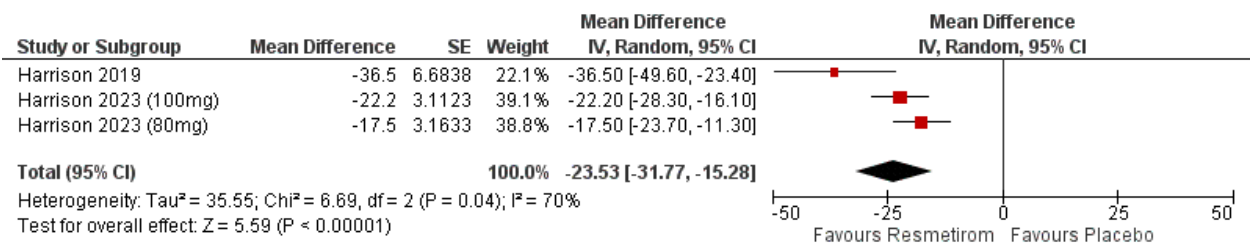
Supplementary Figure 12: Forest plot of Reverse T3



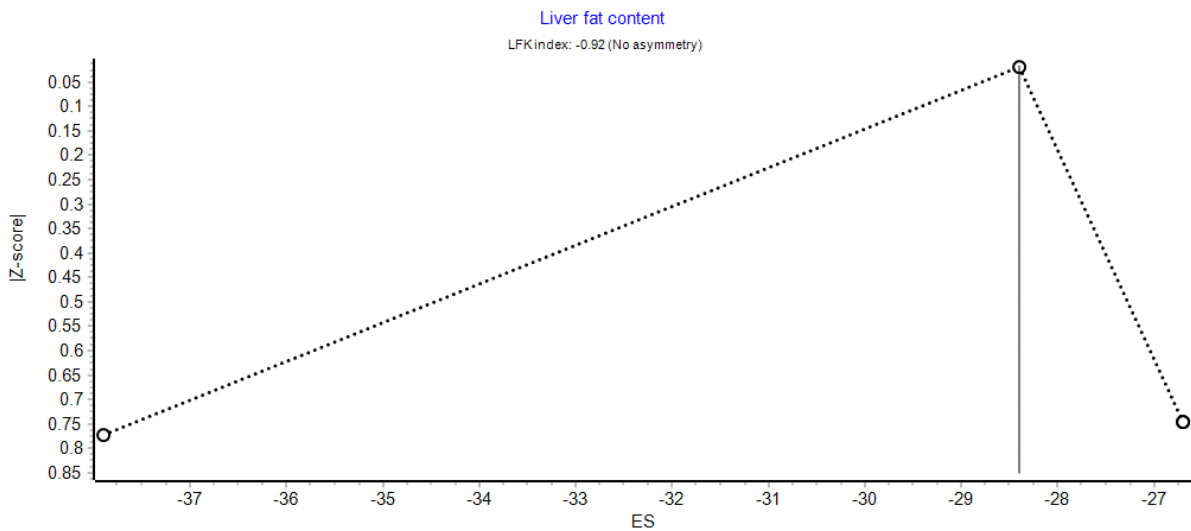
Supplementary Figure 13: Forest plot of FibroScan CAP



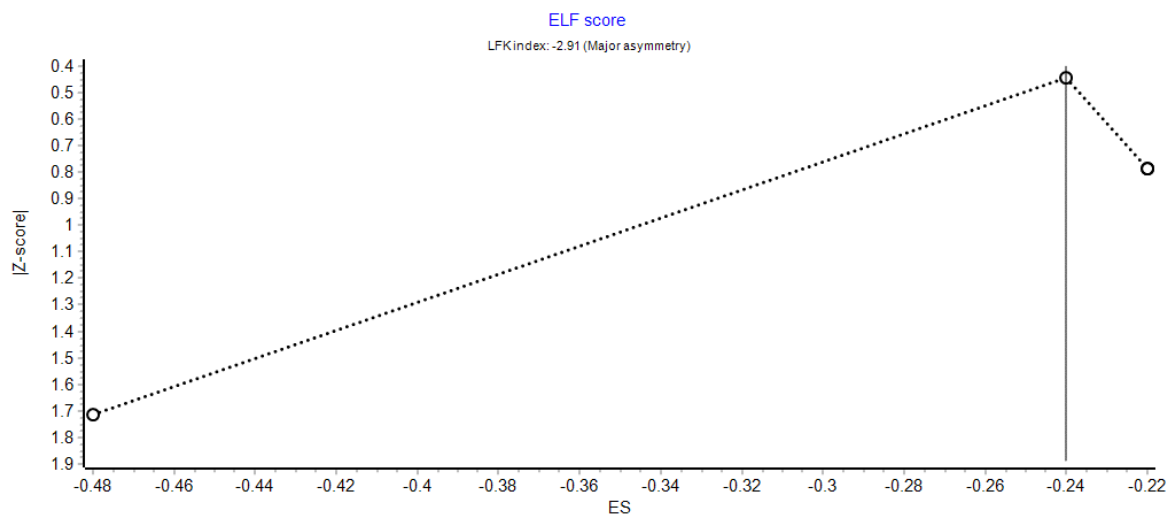
Supplementary Figure 14: Forest plot of Apolipoprotein CIII



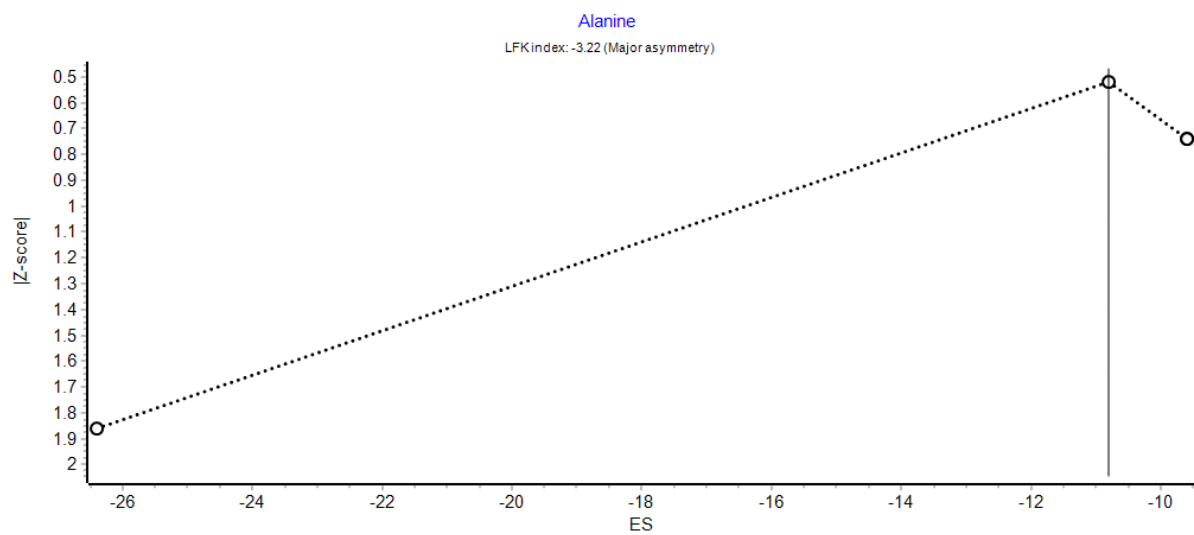
Supplementary Figure 15: Doi plot of Liver fat content



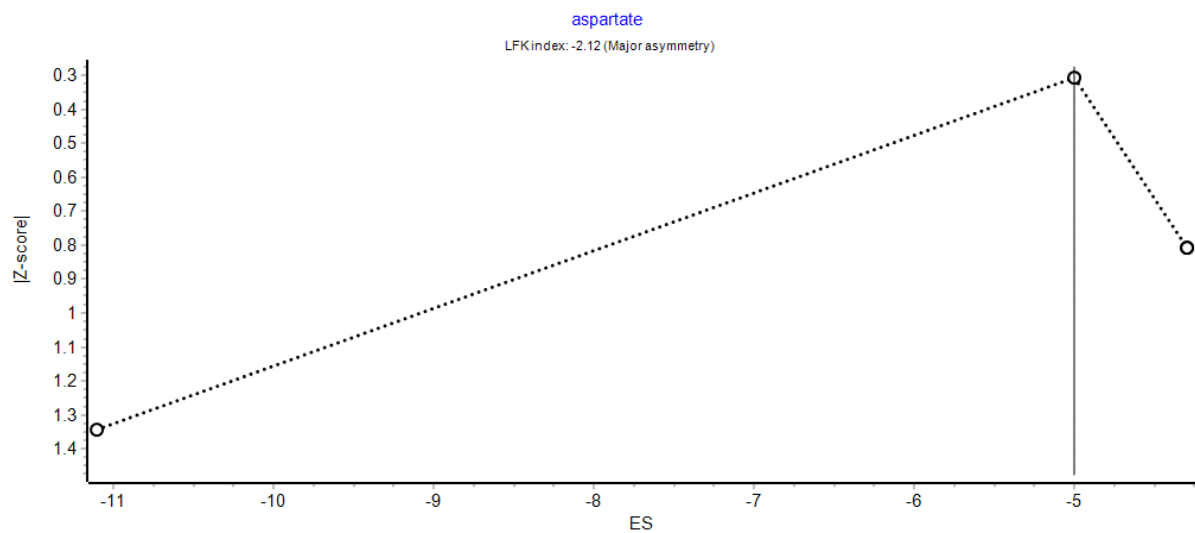
Supplementary Figure 16: Doi plot of ELF score



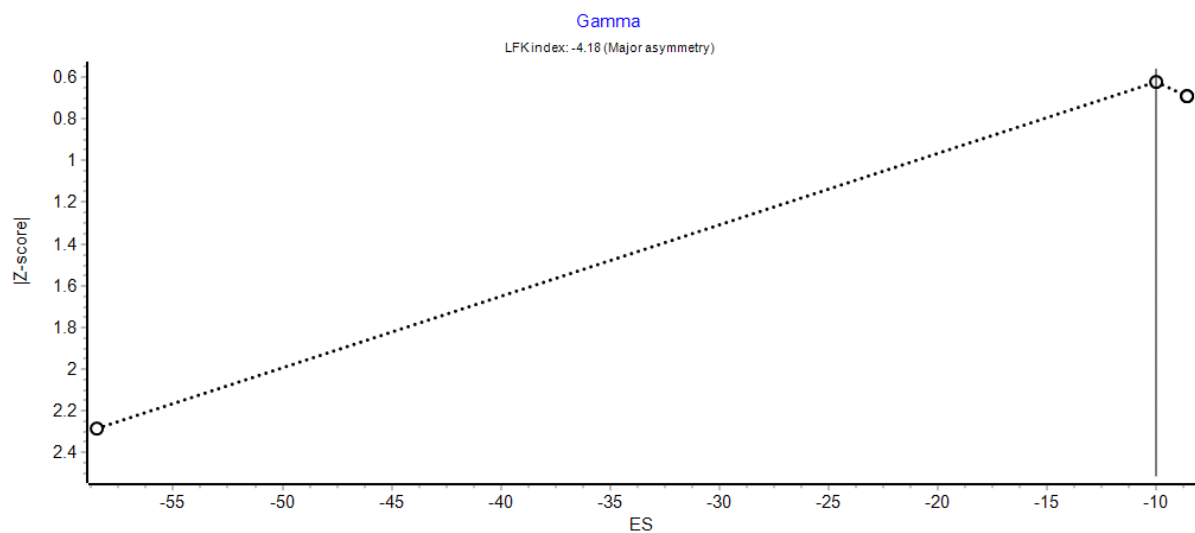
Supplementary Figure 17: Doi plot of Alanine aminotransferase



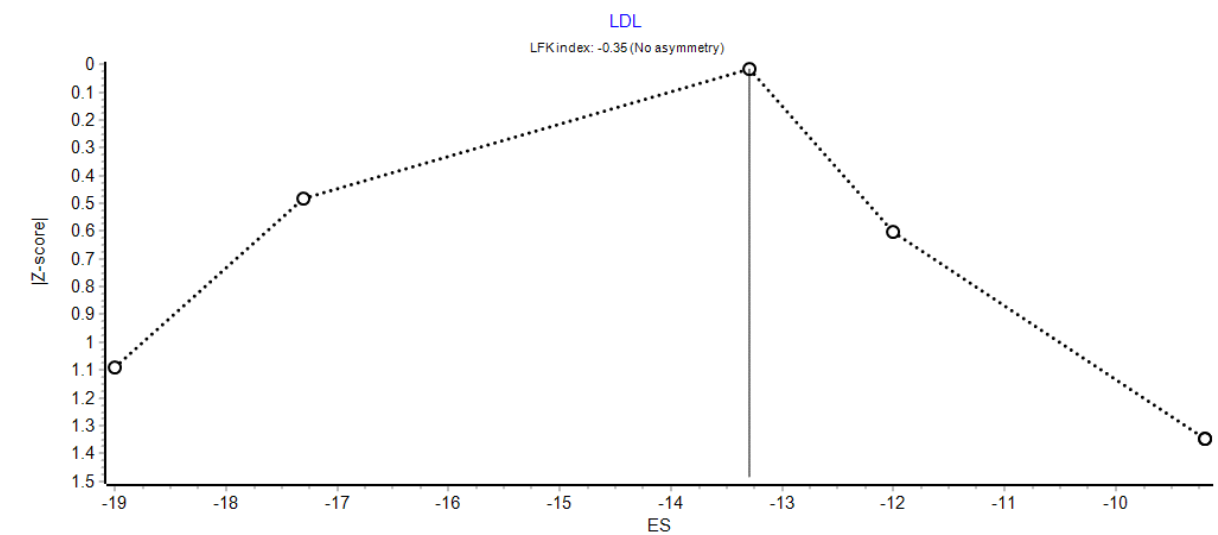
Supplementary Figure 18: Doi plot of Aspartate aminotransferase



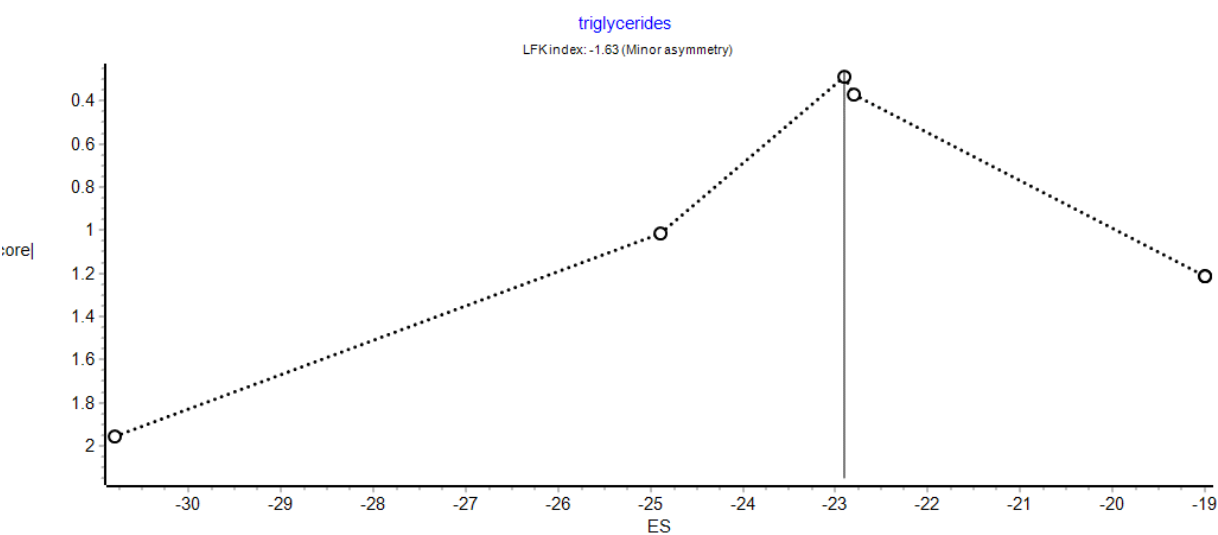
Supplementary Figure 19: Doi plot of Gamma glutamyl transferase



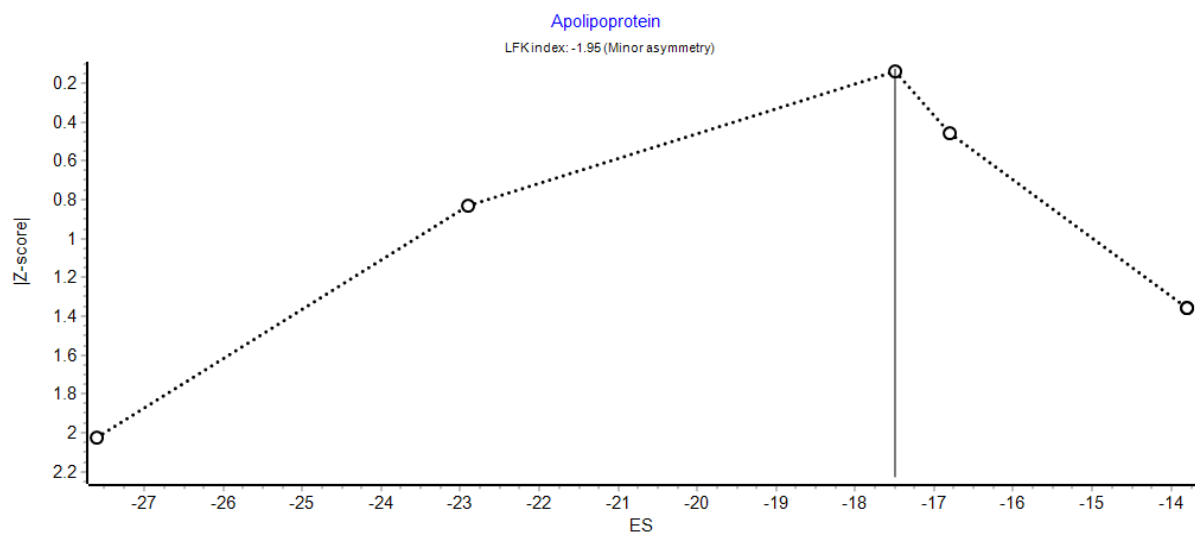
Supplementary Figure 20: Doi plot of LDL cholesterol



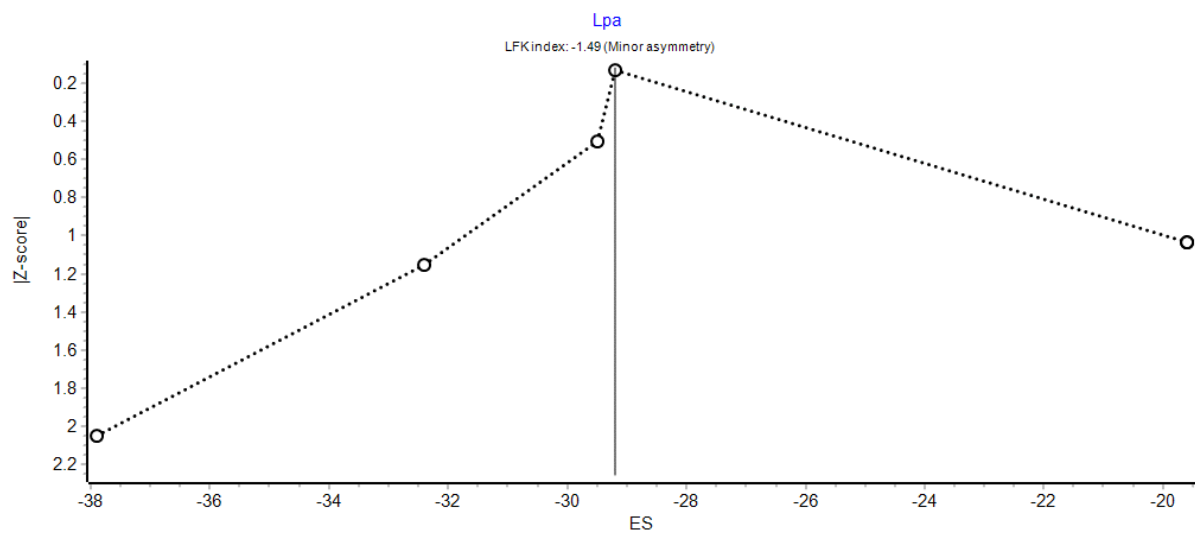
Supplementary Figure 21: Doi plot of Triglycerides



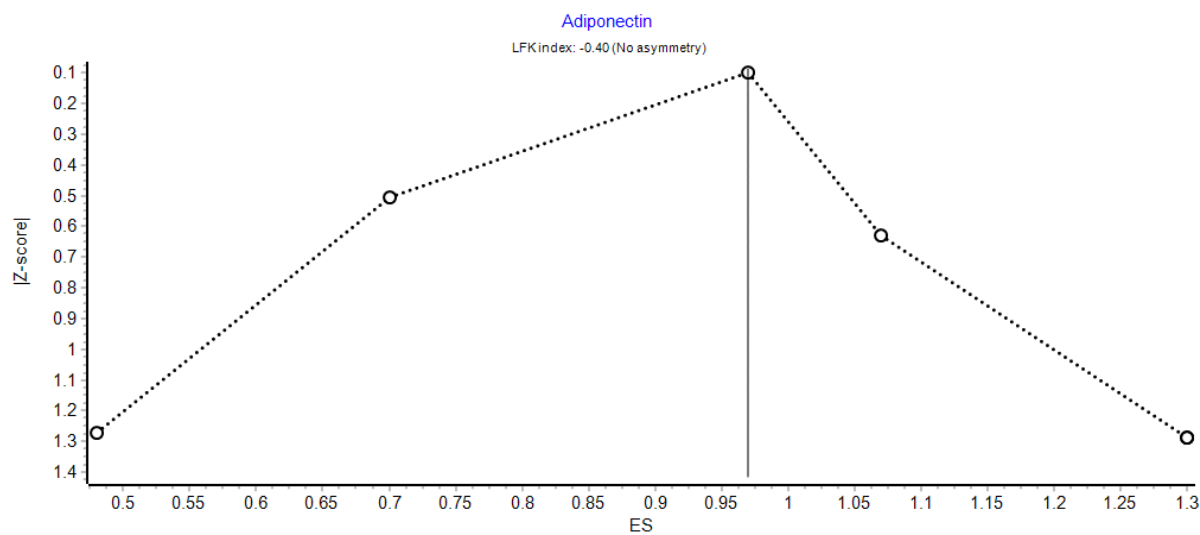
Supplementary Figure 22: Doi plot of Apolipoprotein b



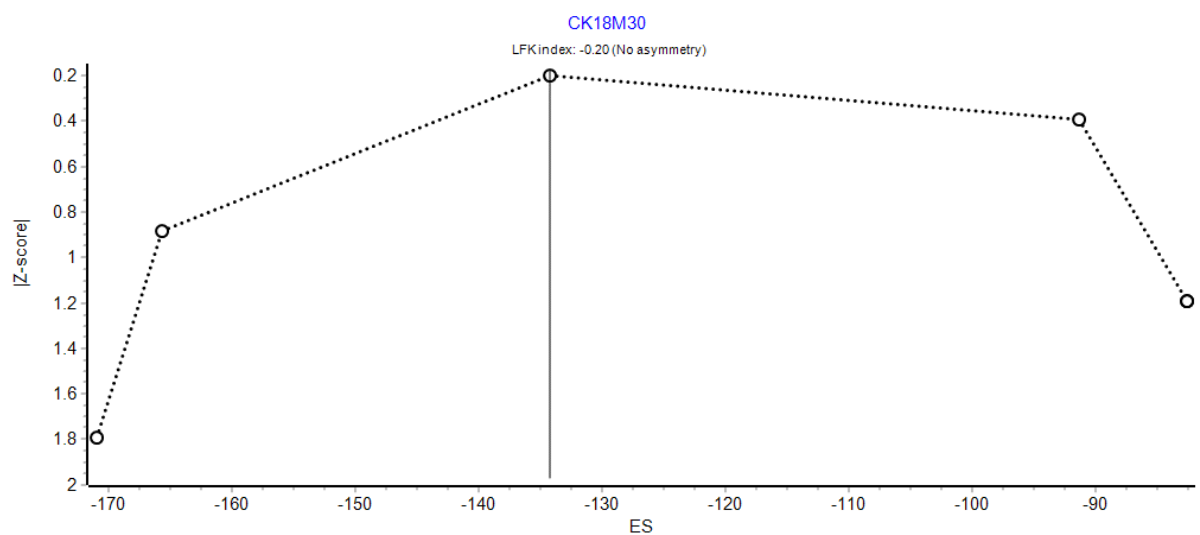
Supplementary Figure 23: Doi plot of Lpa



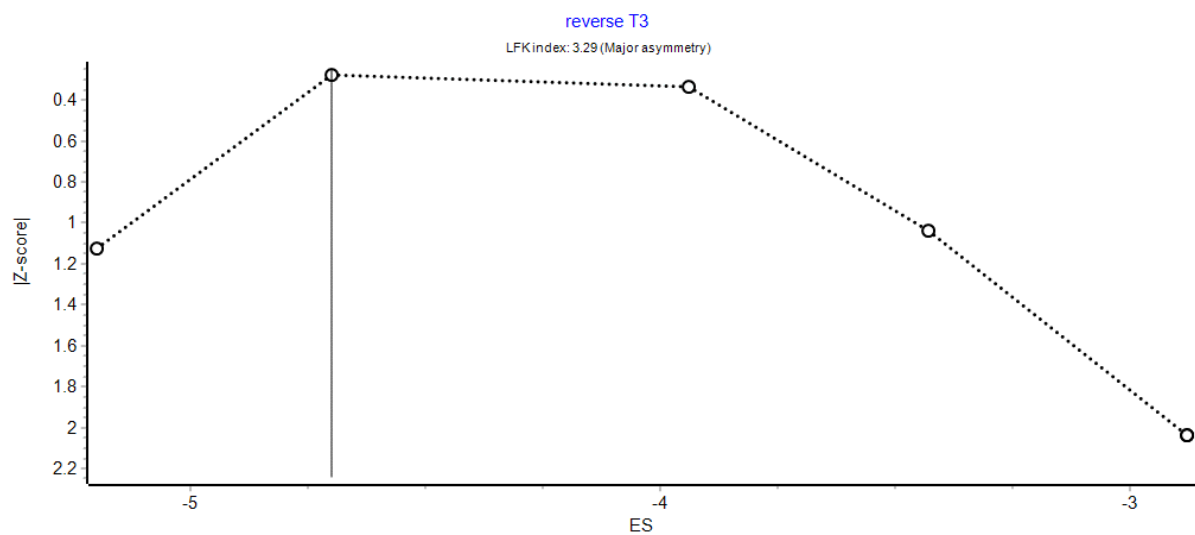
Supplementary Figure 24: Doi plot of Adiponectin



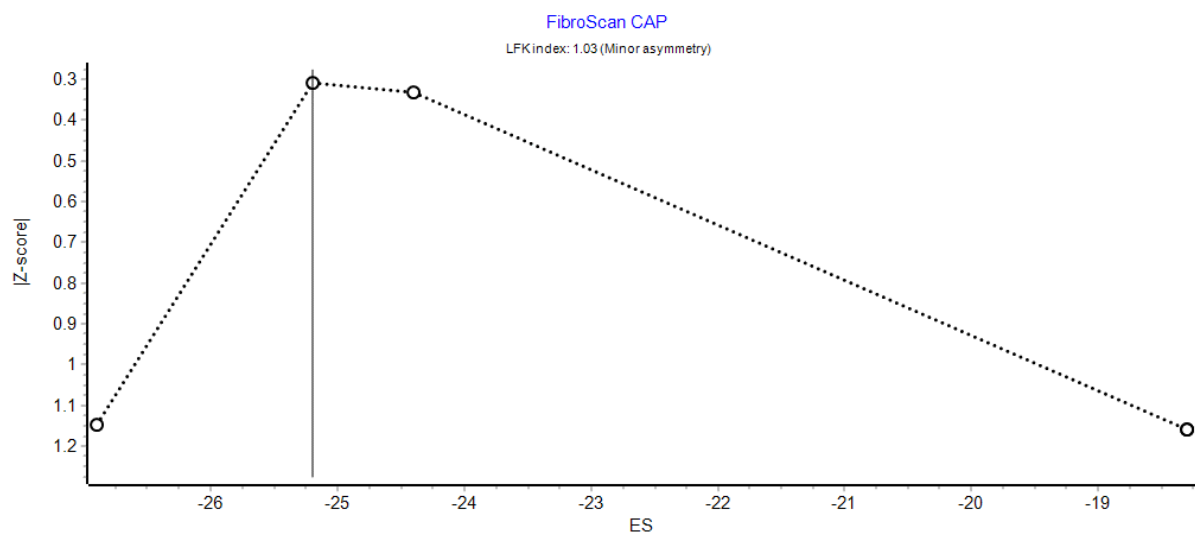
Supplementary Figure 25: Doi plot of CK18M30



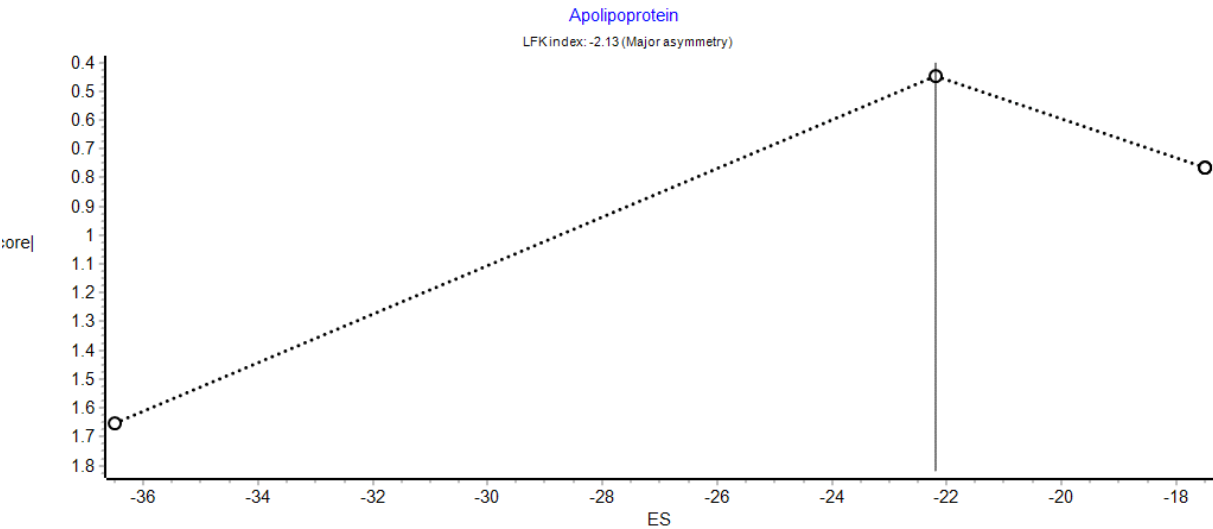
Supplementary Figure 26: Doi plot of Reverse T3



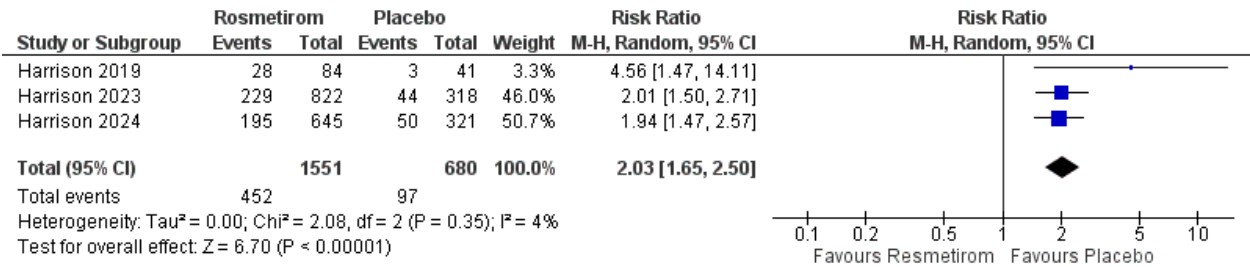
Supplementary Figure 27: Doi plot of FibroScan CAP



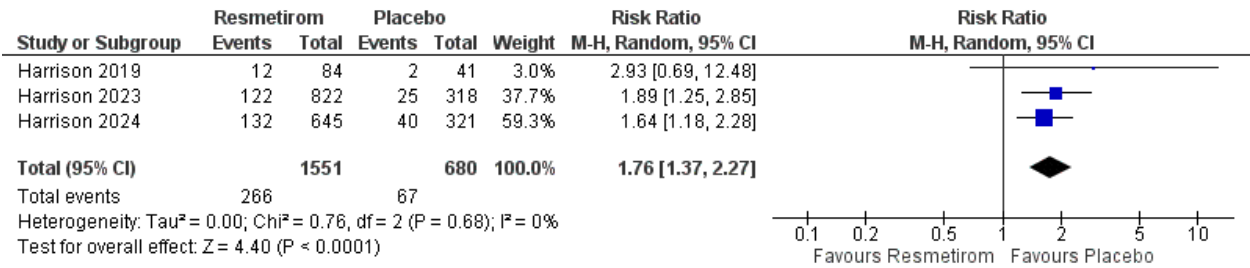
Supplementary Figure 28: Doi plot of Apolipoprotein CIII



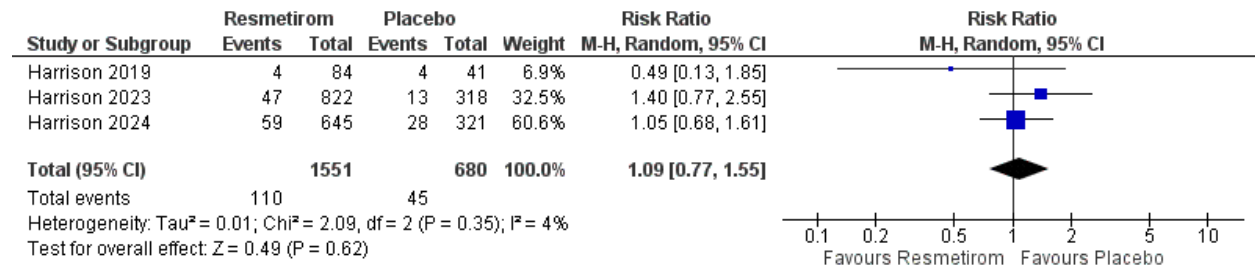
Supplementary Figure 29: Forest plot of Diarrhea



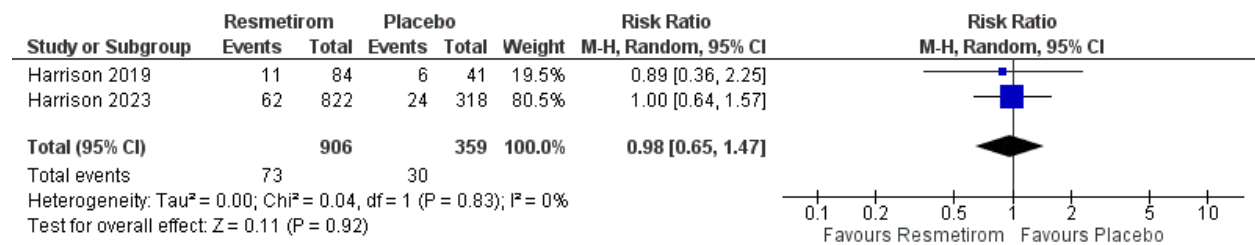
Supplementary Figure 30: Forest plot of Nausea



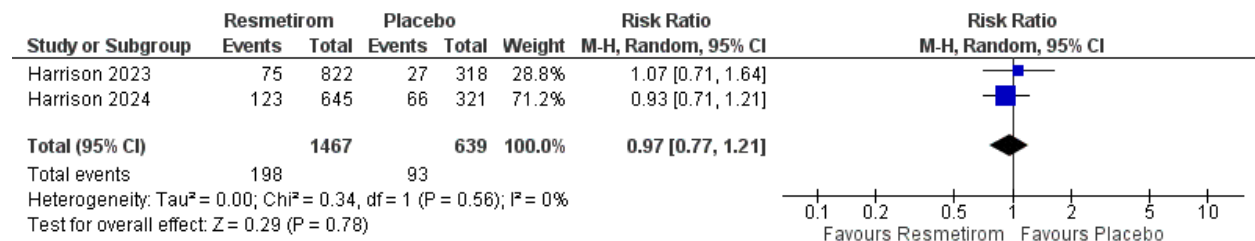
Supplementary Figure 31: Forest plot of Fatigue



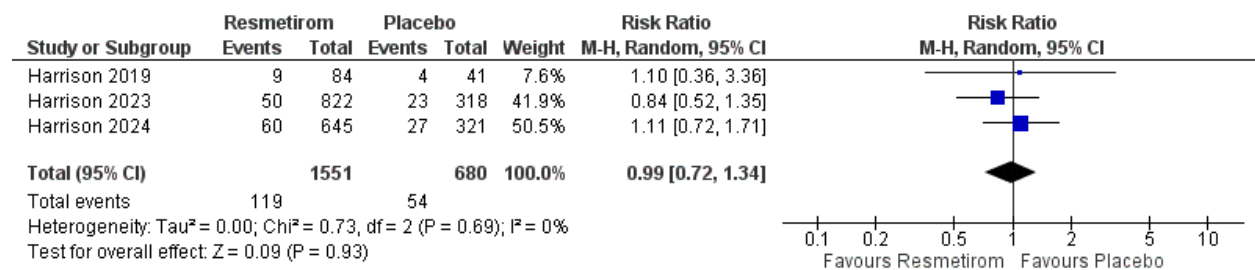
Supplementary Figure 32: Forest plot of Headache



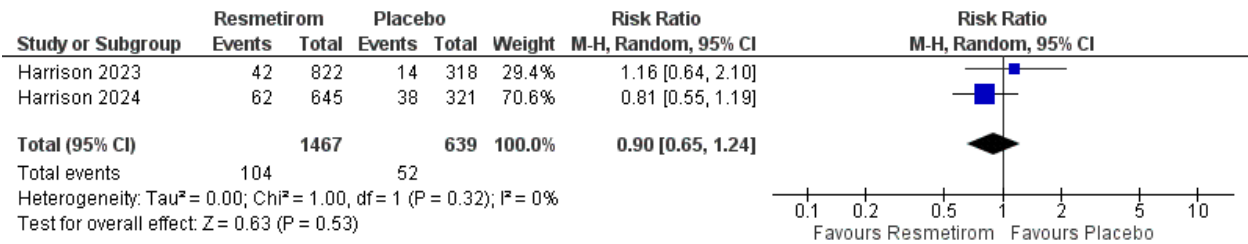
Supplementary Figure 33: Forest plot of Covid



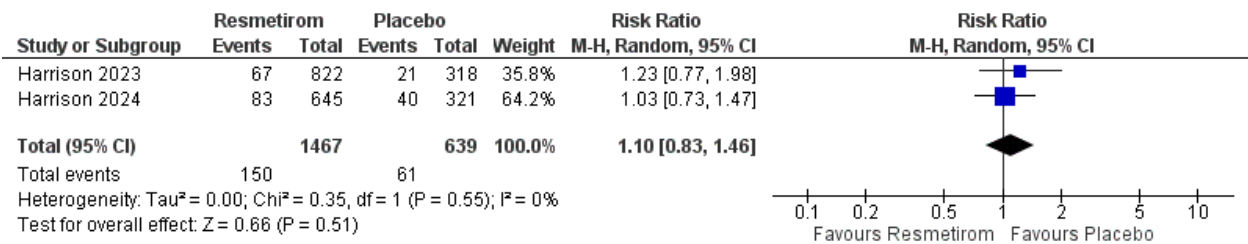
Supplementary Figure 34: Forest plot of UTI



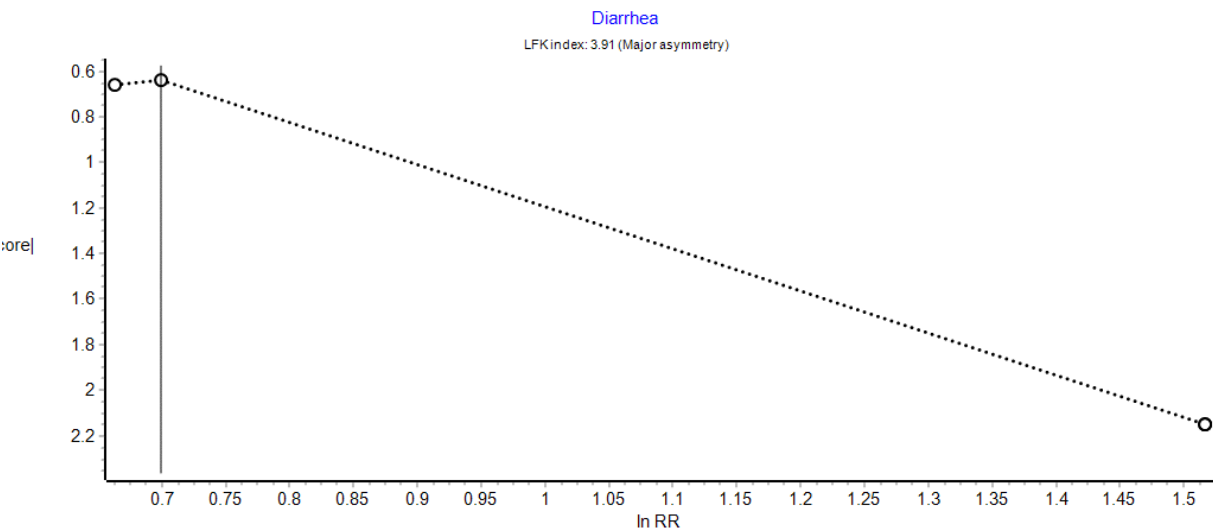
Supplementary Figure 35: Forest plot of Back pain



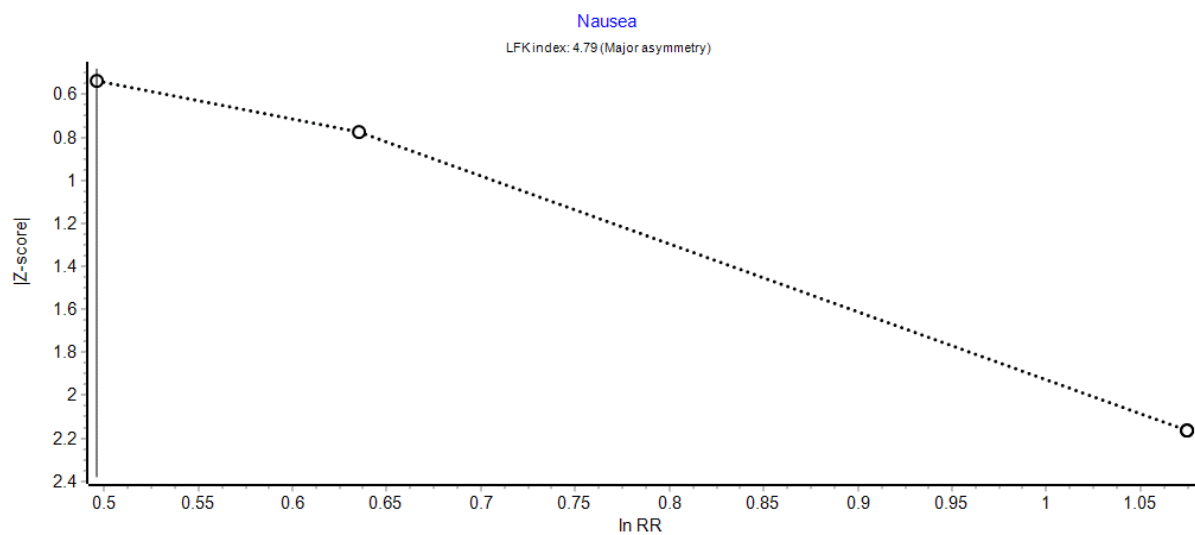
Supplementary Figure 36: Forest plot of Arthralgia



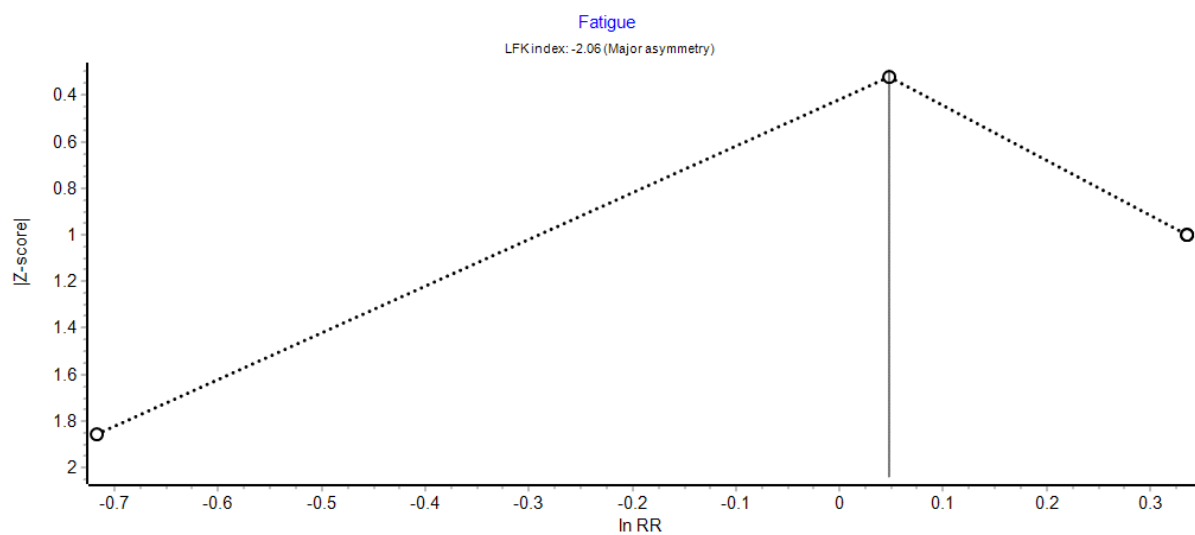
Supplementary Figure 37: Doi plot of Diarrhea



Supplementary Figure 38: Doi plot of Nausea



Supplementary Figure 39: Doi plot of Fatigue



Supplementary Figure 40: Doi plot of UTI

