**Table S1**

**PubMed 2024.02.14 477**

**((((((((((((((((((((("Anterior Wall Myocardial Infarction"[Title/Abstract]) OR ("Inferior Wall Myocardial Infarction"[Title/Abstract])) OR (MINOCA[Title/Abstract])) OR ("Non-ST Elevated Myocardial Infarction"[Title/Abstract])) OR ("Shock, Cardiogenic"[Title/Abstract])) OR ("ST Elevation Myocardial Infarction"[Title/Abstract])) OR ("Infarction, Myocardial"[Title/Abstract])) OR ("Infarctions, Myocardial"[Title/Abstract])) OR ("Myocardial Infarctions"[Title/Abstract])) OR ("Cardiovascular Stroke"[Title/Abstract])) OR ("Cardiovascular Strokes"[Title/Abstract])) OR ("Stroke, Cardiovascular"[Title/Abstract])) OR ("Strokes, Cardiovascular"[Title/Abstract])) OR ("Myocardial Infarct"[Title/Abstract])) OR ("Infarct, Myocardial"[Title/Abstract])) OR ("Infarcts, Myocardial"[Title/Abstract])) OR ("Myocardial Infarcts"[Title/Abstract])) OR ("Heart Attack"[Title/Abstract])) OR ("Heart Attacks"[Title/Abstract])) OR ("Myocardial Infarction"[Mesh]))) AND (("Lipoprotein(a)"[Mesh]) OR ((((Lipoprotein Lp(a)[Title/Abstract])) OR (Lipoprotein (a)[Title/Abstract]))) OR (Lipoprotein a[Title/Abstract])) OR (Lp(a)[Title/Abstract]))))**

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**('Lipoprotein(a)'/exp OR 'Lipoprotein Lp(a)':ab OR 'Lipoprotein (a)':ab OR 'Lipoprotein a':ab OR 'Lp(a)':ab) AND ('acute heart infarction'/exp OR 'infarction, myocardial':ab OR 'infarctions, myocardial':ab OR 'acute myocardial infarctions':ab OR 'acute cardiovascular stroke':ab OR 'acute cardiovascular strokes':ab OR 'stroke, cardiovascular':ab OR 'strokes, cardiovascular':ab OR 'acute myocardial infarct':ab OR 'infarct, myocardial':ab OR 'infarcts, myocardial':ab OR 'acute myocardial infarcts':ab OR 'acute heart attack':ab OR 'acute heart attacks':ab OR 'anterior wall myocardial infarction':ab OR 'inferior wall myocardial infarction':ab OR 'minoca':ab OR 'non-st elevated myocardial infarction':ab OR 'shock, cardiogenic':ab OR 'st elevation myocardial infarction':ab)**

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# 1 (TS=(**“Lipoprotein(a)”**) OR (AB=(**“Lipoprotein Lp(a)” OR “Lipoprotein (a)” OR “Lipoprotein a” OR “Lp(a)”**))

**#2 (AB=(“acute heart infarction” OR “infarction, myocardial” OR “infarctions, myocardial” OR “acute myocardial infarctions” OR “acute cardiovascular stroke” OR “acute cardiovascular strokes” OR “stroke, cardiovascular” OR “strokes, cardiovascular” OR “acute myocardial infarct” OR “infarct, myocardial” OR “infarcts, myocardial” OR “acute myocardial infarcts” OR “acute heart attack” OR “acute heart attacks” OR “anterior wall myocardial infarction” OR “inferior wall myocardial infarction” OR “minoca” OR “non-st elevated myocardial infarction” OR “shock, cardiogenic” OR “st elevation myocardial infarction”)) OR (TS=(“acute heart infarction”))**

**#1 AND #2**

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**MESH subheading, Title, Abstract**

**('Lipoprotein(a)' OR 'Lipoprotein Lp(a)' OR 'Lipoprotein (a)' OR 'Lipoprotein a' OR 'Lp(a)')**

**'acute heart infarction' OR 'infarction, myocardial' OR 'infarctions, myocardial' OR 'acute myocardial infarctions' OR 'acute cardiovascular stroke' OR 'acute cardiovascular strokes' OR 'stroke, cardiovascular' OR 'strokes, cardiovascular' OR 'acute myocardial infarct' OR 'infarct, myocardial' OR 'infarcts, myocardial' OR 'acute myocardial infarcts' OR 'acute heart attack' OR 'acute heart attacks' OR 'anterior wall myocardial infarction' OR 'inferior wall myocardial infarction' OR 'minoca' OR 'non-st elevated myocardial infarction' OR 'shock, cardiogenic' OR 'st elevation myocardial infarction' OR 'acute myocardial infarction'**

**Cochrane library 23 2024.02.14**

**ID Search Hits**

**#1 "Lipoprotein(a)" 1682**

**#2 "Lipoprotein Lp(a)" 48**

**#3 “Lipoprotein (a)” 1682**

**#4 “Lipoprotein a” 1682**

**#5 “Lp(a)” 1153**

**#6 #1 OR #2 OR #3 OR #4 OR #5 2100**

**#7 “acute heart infarction” 3256**

**#8 “infarction, myocardial” 2754**

**#9 “infarctions, myocardial” 0**

**#10 “acute myocardial infarctions” 78**

**#11 “acute cardiovascular stroke” 0**

**#12 “acute cardiovascular strokes” 0**

**#13 “stroke, cardiovascular” 186**

**#14 “strokes, cardiovascular” 16**

**#15 “acute myocardial infarct” 133**

**#16 “infarct, myocardial” 6**

**#17 “infarcts, myocardial” 0**

**#18 “acute myocardial infarcts” 5**

**#19 “acute heart attack” 28**

**#20 “acute heart attacks” 7**

**#21 “anterior wall myocardial infarction” 137**

**#22 “inferior wall myocardial infarction” 20**

**#23 “minoca” 40**

**#24 "non-ST elevated myocardial infarction" 151**

**#25 “shock, cardiogenic” 435**

**#26 “st elevation myocardial infarction” 2959**

**#27 #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #25 OR #26 OR #24 8961**

**#28 #27 AND #6 23**