

Appendix 1**Full search strategy
Keywords and MeSH Terms**

Keywords	MeSH Terms
Lipoprotein(a)	Lipoprotein(a)
lipoprotein(a)	Lipoprotein(a)
lp(a)	Lipoprotein(a)
diabetes	Diabetes Mellitus
diabetes Mellitus	Diabetes Mellitus
Diabetes mellitus	Diabetes Mellitus
prediabetes	Prediabetic State
Prediabetes	Prediabetic State
Non-diabetics	Non-diabetic
non-diabetics	Non-diabetic
ASCVD	Atherosclerosis
Atherosclerotic Cardiovascular Disease	Atherosclerosis

Search strategy structure

PubMed

1. Search Terms:
 - (“Lipoprotein(a)”[MeSH] OR “lipoprotein(a)” OR “lp(a)”)
 - AND
 - (“Diabetes Mellitus”[MeSH] OR “diabetes” OR “diabetes Mellitus” OR “Diabetes mellitus” OR “Prediabetic State”[MeSH] OR “prediabetes” OR “Prediabetes” OR “Non-diabetic” OR “non-diabetics”)
 - AND
 - (“Atherosclerosis”[MeSH] OR “ASCVD” OR “Atherosclerotic Cardiovascular Disease”)
2. Limits Applied:
 - Publication dates: January 1, 2000 – May 21, 2023
 - Language: English
 - Study types: Clinical trials, cohort studies, case-control studies

Scopus

1. Search Terms:
 - TITLE-ABS-KEY (“Lipoprotein(a)” OR “lipoprotein(a)” OR “lp(a)”)
 - AND
 - TITLE-ABS-KEY (“diabetes” OR “diabetes Mellitus” OR “Diabetes mellitus” OR “prediabetes” OR “Prediabetes” OR “Non-diabetics” OR “non-diabetics”)
 - AND
 - TITLE-ABS-KEY (“ASCVD” OR “Atherosclerotic Cardiovascular Disease” OR “Atherosclerosis”)
2. Limits Applied:
 - Publication dates: January 1, 2000 – May 21, 2023
 - Language: English
 - Study types: Clinical trials, cohort studies, case-control studies

Google Scholar

1. Search Terms:
 - (‘Lipoprotein(a)’/exp OR ‘lipoprotein(a)’ OR ‘lp(a)’)
 - AND
 - (‘diabetes mellitus’/exp OR ‘diabetes’ OR ‘diabetes Mellitus’ OR ‘Diabetes mellitus’ OR ‘Prediabetic State’/exp OR ‘prediabetes’ OR ‘Prediabetes’ OR ‘Non-diabetic’ OR ‘non-diabetics’)
 - AND
 - (‘atherosclerosis’/exp OR ‘ASCVD’ OR ‘Atherosclerotic Cardiovascular Disease’)
2. Limits Applied:
 - Publication dates: January 1, 2000 – May 21, 2023
 - Language: English
 - Study types: Clinical trials, cohort studies, case-control studies