

## Supplement File 1

Supplement file 1 Search strategies for all databases

| Database       | Search strategy                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PubMed         | (Diabetes[MeSH Terms] OR Diabetes Mellitus[MeSH Terms] OR Diabetics[MeSH Terms] OR DM [MeSH Terms]) AND (Coronary artery disease[MeSH Terms] OR CAD[MeSH Terms] OR Coronary Disease[MeSH Terms] OR Coronary Atherosclerosis[MeSH Terms] ) AND MACE[MeSH Terms] OR major adverse cardiovascular events[MeSH Terms] AND Plaques [Title/Abstract] OR Vulnerable Plaques[Title/Abstract] OR Plaque Morphology[MeSH Terms]. |
| Web of Science | (Diabetes(AB) OR Diabetes Mellitus(AB) OR Diabetics(AB) OR DM (AB)) AND (Coronary artery disease(AB) OR CAD(AB) OR Coronary Disease(AB) OR Coronary Atherosclerosis(AB) ) AND                                                                                                                                                                                                                                          |

MACE(AB)OR major adverse cardiovascular events(AB) AND  
Plaques (TI) OR Vulnerable Plaques(AB) OR Plaque  
Morphology(AB).

The Cochrane Library (Diabetes[MeSH Terms] OR Diabetes Mellitus[MeSH Terms] OR  
Diabetics[MeSH Terms] OR DM [MeSH Terms]) AND (Coronary  
artery disease[MeSH Terms] OR CAD[MeSH Terms] OR Coronary  
Disease[MeSH Terms] OR Coronary Atherosclerosis[MeSH Terms] )  
AND MACE[MeSH Terms] OR major adverse cardiovascular  
events[MeSH Terms] AND Plaques [AB] OR Vulnerable  
Plaques[AB] OR Plaque Morphology[MeSH Terms] .

Embase (Diabetes[ABTI] OR Diabetes Mellitus[ABTI] OR Diabetics[MeSH  
Terms] OR DM [ABTI]) AND (Coronary artery disease[ABTI] OR  
CAD[ABTI] OR Coronary Disease[ABTI] OR Coronary

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Atherosclerosis[ABTI] ) AND MACE[ABTI] OR major adverse  
cardiovascular events[ABTI] AND Plaques [ABTI] OR Vulnerable  
Plaques[ABTI] OR Plaque Morphology[ABTI] .

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Abbreviations: AB=abstract;ABTI=abstract and title