

Appendix A – Search Strategy

PUBMED SEARCH STRATEGY

n = 1.548 articles

("cohort studies"[MeSH Terms] OR "case-control studies"[MeSH Terms] OR "comparative study"[Publication Type] OR "risk factors"[MeSH Terms] OR "cohort"[Text Word] OR "compared"[Text Word] OR "groups"[Text Word] OR "case-control"[Text Word] OR "multivariate"[Text Word] OR ("Epidemiologic Studies"[MeSH Terms] OR "case-control"[Title/Abstract] OR "case-control"[Title/Abstract] OR ("case"[Title/Abstract] OR "cases"[Title/Abstract]) AND ("control"[Title/Abstract] OR "controls"[Title/Abstract])) OR "cohort study"[Title/Abstract] OR "cohort analysis"[Title/Abstract] OR "follow-up study"[Title/Abstract] OR "follow-up study"[Title/Abstract] OR "observational study"[Title/Abstract] OR "longitudinal"[Title/Abstract] OR "retrospective"[Title/Abstract] OR "cross sectional"[Title/Abstract] OR "questionnaire"[Title/Abstract] OR "questionnaires"[Title/Abstract] OR "survey"[Title/Abstract])) AND (("adult"[MeSH Terms] OR "adult"[All Fields] OR "adults"[All Fields] OR "adult s"[All Fields] OR ("adult"[MeSH Terms] OR "adult"[All Fields] OR "adults"[All Fields] OR "adult s"[All Fields]) OR ("young adult"[MeSH Terms] OR ("young"[All Fields] AND "adult"[All Fields]) OR "young adult"[All Fields] OR ("young adult"[MeSH Terms] OR ("young"[All Fields] AND "adult"[All Fields]) OR "young adult"[All Fields] OR ("adults"[All Fields] AND "young"[All Fields]) OR "adults young"[All Fields]) OR ("young adult"[MeSH Terms] OR ("young"[All Fields] AND "adult"[All Fields]) OR "young adult"[All Fields] OR ("adult"[All Fields] AND "young"[All Fields]) OR "adult young"[All Fields]) OR ("young adult"[MeSH Terms] OR ("young"[All Fields] AND "adult"[All Fields]) OR "young adult"[All Fields] OR ("young"[All Fields] AND "adults"[All Fields]) OR "young adults"[All Fields])))) AND ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("infarction"[All Fields] AND "myocardial"[All Fields]) OR "infarction myocardial"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("infarctions"[All Fields] AND "myocardial"[All Fields]) OR "infarctions myocardial"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("myocardial"[All Fields] AND "infarctions"[All Fields]) OR "myocardial infarctions"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND

"infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("heart"[All Fields] AND "attack"[All Fields]) OR "heart attack"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("heart"[All Fields] AND "attacks"[All Fields]) OR "heart attacks"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("myocardial"[All Fields] AND "infarct"[All Fields]) OR "myocardial infarct"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("infarct"[All Fields] AND "myocardial"[All Fields]) OR "infarct myocardial"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("infarcts"[All Fields] AND "myocardial"[All Fields]) OR "infarcts myocardial"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("myocardial"[All Fields] AND "infarcts"[All Fields]) OR "myocardial infarcts"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("cardiovascular"[All Fields] AND "stroke"[All Fields]) OR "cardiovascular stroke"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("cardiovascular"[All Fields] AND "strokes"[All Fields]) OR "cardiovascular strokes"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("stroke"[All Fields] AND "cardiovascular"[All Fields]) OR "stroke cardiovascular"[All Fields]) OR ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("strokes"[All Fields] AND "cardiovascular"[All Fields]) OR "strokes cardiovascular"[All Fields])) AND ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("metabolic"[All Fields] AND "syndromes"[All Fields]) OR "metabolic syndromes"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("syndrome"[All Fields] AND "metabolic"[All Fields]) OR "syndrome metabolic"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("syndromes"[All Fields] AND "metabolic"[All Fields]) OR "syndromes metabolic"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "reaven syndrome x"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All

Fields]) OR "metabolic syndrome"[All Fields] OR "syndrome x reaven"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "metabolic syndrome x"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "insulin resistance syndrome x"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("metabolic"[All Fields] AND "cardiovascular"[All Fields] AND "syndrome"[All Fields]) OR "metabolic cardiovascular syndrome"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("cardiovascular"[All Fields] AND "syndrome"[All Fields] AND "metabolic"[All Fields]) OR "cardiovascular syndrome metabolic"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("cardiovascular"[All Fields] AND "syndromes"[All Fields] AND "metabolic"[All Fields])) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("syndrome"[All Fields] AND "metabolic"[All Fields] AND "cardiovascular"[All Fields]) OR "syndrome metabolic cardiovascular"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "syndrome x insulin resistance"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "metabolic x syndrome"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "syndrome metabolic x"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "x syndrome metabolic"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "dysmetabolic syndrome x"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR "syndrome x metabolic"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("cardiometabolic"[All Fields] AND "syndrome"[All Fields]) OR "cardiometabolic syndrome"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("cardiometabolic"[All Fields] AND "syndromes"[All Fields]) OR "cardiometabolic syndromes"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All

Fields] OR ("syndrome"[All Fields] AND "cardiometabolic"[All Fields]) OR "syndrome cardiometabolic"[All Fields]) OR ("metabolic syndrome"[MeSH Terms] OR ("metabolic"[All Fields] AND "syndrome"[All Fields]) OR "metabolic syndrome"[All Fields] OR ("syndromes"[All Fields] AND "cardiometabolic"[All Fields]))

EMBASE SEARCH STRATEGY

n = 2.000 articles

('clinical study'/exp OR 'cohort analysis'/exp OR 'case control':ab,ti OR 'case-control':ab,ti OR ((case:ab,ti OR cases:ab,ti) AND (control:ab,ti OR controls:ab,ti)) OR 'cohort study':ab,ti OR 'cohort analysis':ab,ti OR 'follow up study':ab,ti OR 'follow-up study':ab,ti OR 'observational study':ab,ti OR longitudinal:ab,ti OR retrospective:ab,ti OR 'cross sectional':ab,ti OR questionnaire:ab,ti OR questionnaires:ab,ti OR survey:ab,ti OR 'epidemiological study':ab,ti) AND 'heart infarction'/syn AND 'metabolic syndrome x'/syn AND ('young adult'/syn OR 'middle aged'/syn OR 'adult'/syn)

SCOPUS SEARCH STRATEGY

n = 186 articles

(TITLE-ABS-KEY (metabolic AND syndrome) AND TITLE-ABS-KEY (myocardial AND infarction) AND TITLE-ABS-KEY (young AND adult OR middle AND aged OR adult))

SCIELO SEARCH STRATEGY

n = 22 articles

(metabolic syndrome) AND (myocardial infarction)

WEB OF SCIENCE SEARCH STRATEGY

n = 954 articles

metabolic syndrome (All Fields) AND myocardial infarction (All Fields) AND adult OR middle aged OR young adult (All Fields) and Article (Document Types)