**Supplementary Materials**

**Supplementary Table 1: Search strategies**

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| **PubMed search strategy: Search from inception to 28 October 2020** |
| ("type 2 diabetes"[Title/Abstract] OR "t2dm"[Title/Abstract] OR "niddm"[Title/Abstract] OR "type ii diabetes"[Title/Abstract] OR "insulin resistance"[Title/Abstract] OR "impaired fasting glucose"[Title/Abstract] OR "impaired fasting glycaemia"[Title/Abstract] OR "impaired fasting glycemia"[Title/Abstract] OR "pre-diabetes"[Title/Abstract] OR "metabolic syndrome"[Title/Abstract] OR "mets"[Title/Abstract] OR "syndrome x"[Title/Abstract] OR "dysmetabolic syndrome"[Title/Abstract] OR "cardiovascular"[Title/Abstract] OR "cvd"[Title/Abstract] OR "coronary"[Title/Abstract] OR "myocardial infarction"[Title/Abstract] OR "stroke"[Title/Abstract] OR "ischaemic heart"[Title/Abstract] OR "IHD"[Title/Abstract] OR "Chronic kidney disease"[Title/Abstract] OR "CKD"[Title/Abstract] OR "end-stage renal disease"[Title/Abstract] OR "hemodialysis"[Title/Abstract] OR "haemodialysis"[Title/Abstract] OR "dialysis"[Title/Abstract] OR "renal failure"[Title/Abstract] OR "NAFLD"[Title/Abstract] OR "non alcoholic fatty liver disease"[Title/Abstract] OR "Nonalchoholic fatty liver disease"[Title/Abstract] OR "MAFLD"[Title/Abstract] OR "Metabolic associated fatty liver disease"[Title/Abstract] OR "NASH"[Title/Abstract] OR "Non-alcoholic steatohepatitis"[Title/Abstract] OR "diabetes mellitus, type 2"[MeSH Terms] OR "insulin resistance"[MeSH Terms] OR "metabolic syndrome"[MeSH Terms] OR "cardiovascular diseases"[MeSH Terms] OR "coronary disease"[MeSH Terms] OR "myocardial infarction"[MeSH Terms] OR "myocardial ischemia"[MeSH Terms] OR "renal dialysis"[MeSH Terms] OR "kidney failure, chronic"[MeSH Terms] OR "non alcoholic fatty liver disease"[MeSH Terms] OR "nutritional and metabolic diseases"[MeSH Terms]) |
| AND |
| ("Energy adjusted dietary inflammatory index"[Title/Abstract] OR "Empirical dietary inflammatory pattern"[Title/Abstract] OR "Dietary inflammatory potential"[Title/Abstract] OR "Dietary inflammatory index"[Title/Abstract] OR "Inflammatory score of diet"[Title/Abstract]) |
| AND |
| ("diet"[MeSH Terms] OR diet[Title/Abstract] OR nutrition\*[Title/Abstract] OR "food pattern"[Title/Abstract]) |
| AND |
| ("Pro inflammatory"[Title/Abstract] OR "Proinflammatory"[Title/Abstract] OR "Anti inflammatory"[Title/Abstract] OR "Antiinflammatory"[Title/Abstract] OR "Antioxidant"[Title/Abstract] OR "Anti oxidant"[Title/Abstract] OR "inflamm\*"[Title/Abstract] OR "Prooxidant"[Title/Abstract] OR "Pro-oxidant"[Title/Abstract]) |
| AND |
| ("score"[Title/Abstract] OR "index"[Title/Abstract] OR "indices"[Title/Abstract]) |
| **PubMed search strategy: search from 28 October 2020 to 28 June 2023** |
| ("type 2 diabetes"[Title/Abstract] OR "t2dm"[Title/Abstract] OR "niddm"[Title/Abstract] OR "type ii diabetes"[Title/Abstract] OR "insulin resistance"[Title/Abstract] OR "impaired fasting glucose"[Title/Abstract] OR "impaired fasting glycaemia"[Title/Abstract] OR "impaired fasting glycemia"[Title/Abstract] OR "pre-diabetes"[Title/Abstract] OR "metabolic syndrome"[Title/Abstract] OR "mets"[Title/Abstract] OR "syndrome x"[Title/Abstract] OR "dysmetabolic syndrome"[Title/Abstract] OR "cardiovascular"[Title/Abstract] OR "cvd"[Title/Abstract] OR "coronary"[Title/Abstract] OR "myocardial infarction"[Title/Abstract] OR "stroke"[Title/Abstract] OR "ischaemic heart"[Title/Abstract] OR "IHD"[Title/Abstract] OR "Chronic kidney disease"[Title/Abstract] OR "CKD"[Title/Abstract] OR "end-stage renal disease"[Title/Abstract] OR "hemodialysis"[Title/Abstract] OR "haemodialysis"[Title/Abstract] OR "dialysis"[Title/Abstract] OR "renal failure"[Title/Abstract] OR "NAFLD"[Title/Abstract] OR "non alcoholic fatty liver disease"[Title/Abstract] OR "Nonalcoholic fatty liver disease"[Title/Abstract] OR "MAFLD"[Title/Abstract] OR "Metabolic associated fatty liver disease"[Title/Abstract] OR "NASH"[Title/Abstract] OR "Non-alcoholic steatohepatitis"[Title/Abstract] OR "diabetes mellitus, type 2"[MeSH Terms] OR "insulin resistance"[MeSH Terms] OR "metabolic syndrome"[MeSH Terms] OR "cardiovascular diseases"[MeSH Terms] OR "coronary disease"[MeSH Terms] OR "myocardial infarction"[MeSH Terms] OR "myocardial ischemia"[MeSH Terms] OR "renal dialysis"[MeSH Terms] OR "kidney failure, chronic"[MeSH Terms] OR "non alcoholic fatty liver disease"[MeSH Terms] OR "nutritional and metabolic diseases"[MeSH Terms])AND |
| ("Energy adjusted dietary inflammatory index"[Title/Abstract] OR "Empirical dietary inflammatory pattern"[Title/Abstract] OR "Dietary inflammatory potential"[Title/Abstract] OR "Dietary inflammatory index"[Title/Abstract] OR "Inflammatory score of diet"[Title/Abstract] OR "score"[Title/Abstract] OR "index"[Title/Abstract] OR "indices"[Title/Abstract])AND |
| ("diet"[MeSH Terms] OR diet[Title/Abstract] OR nutrition\*[Title/Abstract] OR "food pattern"[Title/Abstract]) |
| AND |
| ("Pro inflammatory"[Title/Abstract] OR "Proinflammatory"[Title/Abstract] OR "Anti inflammatory"[Title/Abstract] OR "Antiinflammatory"[Title/Abstract] OR "Antioxidant"[Title/Abstract] OR "Anti oxidant"[Title/Abstract] OR "inflamm\*"[Title/Abstract] OR "Prooxidant"[Title/Abstract] OR "Pro-oxidant"[Title/Abstract]) |