# SUPPLEMENTARY MATERIAL

# Search strategy performed in the PubMed database

((((("fasting"[MeSH Terms] OR "fasting"[All Fields]) OR ("fasting"[MeSH Terms] OR "fasting"[All Fields] OR ("fasted"[All Fields] AND "state"[All Fields]) OR "fasted state"[All Fields])) AND ("exercise"[MeSH Terms] OR ("exercise"[MeSH Terms] OR "exercise"[All Fields] OR "exercises"[All Fields] OR "exercise therapy"[MeSH Terms] OR ("exercise"[All Fields] AND "therapy"[All Fields]) OR "exercise therapy"[All Fields]) OR ("exercise"[MeSH Terms] OR "exercise"[All Fields] OR ("physical"[All Fields] AND "exercise"[All Fields]) OR "physical exercise"[All Fields]) OR ("exercise"[MeSH Terms] OR "exercise"[All Fields] OR ("physical"[All Fields] AND "exercises"[All Fields]) OR "physical exercises"[All Fields]) OR ("exercise"[MeSH Terms] OR "exercise"[All Fields] OR ("aerobic"[All Fields] AND "exercises"[All Fields]) OR "aerobic exercises"[All Fields]) OR ("exercise"[MeSH Terms] OR "exercise"[All Fields] OR ("aerobic"[All Fields] AND "exercise"[All Fields]) OR "aerobic exercise"[All Fields]) OR ("running"[MeSH Terms] OR "running"[All Fields]) OR ("jogging"[MeSH Terms] OR "jogging"[All Fields]) OR ("swimming"[MeSH Terms] OR "swimming"[All Fields]) OR ("walking"[MeSH Terms] OR "walking"[All Fields]) OR ("exercise test"[MeSH Terms] OR ("exercise"[All Fields] AND "test"[All Fields]) OR "exercise test"[All Fields]) OR (maximal[All Fields] AND ("exercise"[MeSH Terms] OR "exercise"[All Fields])) OR (submaximal[All Fields] AND ("exercise"[MeSH Terms] OR "exercise"[All Fields])) OR (acute[All Fields] AND ("exercise"[MeSH Terms] OR "exercise"[All Fields])) OR (rowing[All Fields] AND ergometer[All Fields]) OR (cycle[All Fields] AND ergometer[All Fields]) OR treadmill[All Fields])) AND ("substrate cycling"[MeSH Terms] OR "energy metabolism"[MeSH Terms] OR ("energy metabolism"[MeSH Terms] OR ("energy"[All Fields] AND "metabolism"[All Fields]) OR "energy metabolism"[All Fields] OR ("energy"[All Fields] AND "metabolisms"[All Fields]) OR "energy metabolisms"[All Fields]) OR ("energy 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("citric acid cycle"[MeSH Terms] OR ("citric"[All Fields] AND "acid"[All Fields] AND "cycle"[All Fields]) OR "citric acid cycle"[All Fields]) OR ("glycolysis"[MeSH Terms] OR "glycolysis"[All Fields]) OR ("oxidation-reduction"[MeSH Terms] OR "oxidation-reduction"[All Fields] OR ("oxidation"[All Fields] AND "reduction"[All Fields]) OR "oxidation reduction"[All Fields]) OR ("electron transport"[MeSH Terms] OR ("electron"[All Fields] AND "transport"[All Fields]) OR "electron transport"[All Fields]) OR ("lipid peroxidation"[MeSH Terms] OR ("lipid"[All Fields] AND "peroxidation"[All Fields]) OR "lipid peroxidation"[All Fields]) OR ("oxidative phosphorylation"[MeSH Terms] OR ("oxidative"[All Fields] AND "phosphorylation"[All Fields]) OR "oxidative phosphorylation"[All Fields]))) AND ("lipids"[MeSH Terms] OR (("blood"[Subheading] OR "blood"[All Fields] OR "blood"[MeSH Terms]) AND ("lipids"[MeSH Terms] OR "lipids"[All Fields])) OR (endogenous[All Fields] AND ("lipids"[MeSH Terms] OR "lipids"[All Fields])) OR "glucose"[MeSH Terms] OR ("blood glucose"[MeSH Terms] OR ("blood"[All Fields] AND "glucose"[All Fields]) OR "blood glucose"[All Fields]) OR (endogenous[All Fields] AND ("glucose"[MeSH Terms] OR "glucose"[All Fields])) OR "insulin"[MeSH Terms] OR (endogenous[All Fields] AND ("insulin"[MeSH Terms] OR "insulin"[All Fields])) OR (("blood"[Subheading] OR "blood"[All Fields] OR "blood"[MeSH Terms]) AND ("insulin"[MeSH Terms] OR "insulin"[All Fields])) OR ("fatty acids, nonesterified"[MeSH Terms] OR ("fatty"[All Fields] AND "acids"[All Fields] AND "nonesterified"[All Fields]) OR "nonesterified fatty acids"[All Fields] OR ("nonesterified"[All Fields] AND "fatty"[All Fields] AND "acids"[All Fields])) OR ("fatty acids, nonesterified"[MeSH Terms] OR ("fatty"[All Fields] AND "acids"[All Fields] AND "nonesterified"[All Fields]) OR "nonesterified fatty acids"[All Fields] OR ("free"[All Fields] AND "fatty"[All Fields] AND "acids"[All Fields]) OR "free fatty acids"[All Fields]) OR ("fatty acids, nonesterified"[MeSH Terms] OR ("fatty"[All Fields] AND "acids"[All Fields] AND "nonesterified"[All Fields]) OR "nonesterified fatty acids"[All Fields] OR "nefa"[All Fields]))) AND "adult"[MeSH Terms]