

Appendix A – Search Strategy

Search Strategy Pubmed

- #1: "rugby"[MeSH] OR "rugby*"[tiab]
 #2: "Retirement"[Mesh] OR "Retire*"[tiab] OR Former[tiab] OR "Ex"[tiab]
 #3: "Musculoskeletal system"[Mesh] OR "Musculoskeletal Diseases"[Mesh] OR Tendon*[tiab] OR Bone*[tiab] OR Muscle[tiab] OR Ligament[tiab] OR Cartilage [tiab] OR Joint[tiab] OR Osteoarthritis[tiab] OR OA[tiab] OR Musculoskeletal[tiab]
 #4: "Cardiovascular System"[Mesh] OR "Cardiovascular Diseases"[Mesh] OR Cardiovascular[tiab] OR Heart[tiab] OR Blood[tiab] OR Artery[tiab] OR Vein[tiab] OR Capillary[tiab] OR Cardiac[tiab] OR Arrhythmia[tiab] OR Vessel[tiab] OR Coronary[tiab] OR Cardio*[tiab] OR "Heart Arrest"[MeSH]
 #5: "Mental Disorders"[Mesh] OR "Mental Processes"[Mesh] OR Cogniti*[tiab] OR Psychological[tiab] OR Neurocogniti*[tiab] OR Mental[tiab] OR Brain[tiab] OR Neuropsychological[tiab] OR Neurological[tiab] OR "Mental health"[tiab] OR "Chronic Traumatic Encephalopathy"[Mesh] OR "CTE"[tiab] OR "depression"[MeSH] OR "anxiety"[MeSH] OR "Substance-related disorders"[MeSH] OR "Sleep Wake Disorders"[MeSH]
 #6: "Relative Energy Deficiency in Sport"[MeSH], "Reproductive Physiological Phenomena"[Mesh] OR Reproduct*[tiab] OR Menstrua*[tiab] OR Fertil*[tiab] OR Ovulation[tiab] OR Menarche[tiab] OR Pregnant*[tiab] OR Amenorrhea[tiab] OR Oligomenorrhea[tiab] OR Estrogen[tiab] OR Oestrogen[tiab] OR Menses[tiab] OR Menorrh*[tiab] OR Folic*[tiab] OR Luteal[tiab] OR Period{ tiab }
 #7: #1 AND #2 AND (#3 OR #4 OR #5 OR #6)

Search Strategy SPORTDiscus

- S1: TI(Rugby) OR AB(Rugby)
 S2: TI(Retire* OR Former OR Ex) OR AB(Retire* OR Former OR Ex)
 S3: TI(Musculoskeletal OR Muscle OR Bone OR Tendon OR Ligament OR Cartilage OR Joint OR Osteoarthritis OR OA) OR AB(Musculoskeletal OR Muscle OR Bone OR Tendon OR Ligament OR Cartilage OR Joint OR Osteoarthritis OR OA)
 S4: TI(Cardiovascular OR Heart OR Blood OR Vein OR Vessel OR Artery OR Capillary OR Cardio OR Coronary OR Arrhythmia OR Cardiac) OR AB(Cardiovascular OR Heart OR Blood OR Vein OR Vessel OR Artery OR Capillary OR Cardio OR Coronary OR Arrhythmia OR Cardiac OR Heart Arrest)
 S5: TI(Mental OR Cogniti* OR Psychological OR Neurocogniti* OR Neuropsychological OR Neurological OR Brain) OR AB(Mental OR Cogniti* OR Psychological OR Neurocogniti* OR Neuropsychological OR Neurological OR Brain OR Chronic Traumatic Encephalopathy OR CTE OR Depression OR Anxiety OR Substance-related Disorder OR Sleep Wake Disorder)
 S6: TI(RED-S OR Reproduct* OR Menstrua* OR Fertil* OR Ovulation OR Menarch OR Pregnant* OR Amenorrhea OR Oligomenorrhea OR Estrogen OR Oestrogen OR Menses OR Menorrh OR Folic* OR Luteal) OR AB(Reproduct* OR Menstrua* OR Fertil* OR Ovulation OR Menarch OR Pregnant* OR Amenorrhea OR Oligomenorrhea OR Estrogen OR Oestrogen OR Menses OR Menorrh OR Folic* OR Luteal OR Period)
 S7: S1 AND S2 AND (S3 OR S4 OR S5 OR S6)

Search Strategy EMBASE

- #1: rugby
#2: rugby (Title or Abstract)
#3: retirement OR retire* OR former OR ex
#4: musculoskeletal system OR musculoskeletal disease OR tendon OR bone* OR muscle OR ligament OR cartilage OR joint OR osteoarthritis OR OA
#5 cardiovascular system OR cardiovascular diseases OR cardiovascular OR heart OR blood OR vein OR capillary OR cardiac OR arrhythmia OR vessel OR coronary OR cardio* OR Heart Arrest
#6 Mental Disorders OR Mental Processes OR Cogniti* OR Psychological OR Neurocogniti* OR Mental OR Brain OR Neuropsychological OR Neurological OR Mental health OR Chronic Traumatic Encephalopathy OR CTE OR Depression OR Anxiety OR Substance-related Disorder OR Sleep Wake Disorder
#7 Relative Energy Deficiency in Sport OR Reproductive Physiological Phenomena OR Reproduct OR Menstrua* OR Fertil* OR Ovulation OR Menarche OR Pregnan* OR Amenorrhea OR Oligomenorrhea OR Estrogen OR Oestrogen OR Menses OR Menorrh* OR Folic* OR Luteal OR Period
#8: #1 AND #2 AND #3 AND (#4 OR #5 OR #6 OR #7)

Search Strategy APA PsycInfo

- S1: TI(Rugby) OR AB(Rugby)
S2: TI(Retire* OR Former OR Ex) OR AB(Retire* OR Former OR Ex)
S3: TI(Mental OR Cogniti* OR Psychological OR Neurocogniti* OR Neuropsychological OR Neurological OR Brain) OR AB(Mental OR Cogniti* OR Psychological OR Neurocogniti* OR Neuropsychological OR Neurological OR Brain OR Chronic Traumatic Encephalopathy OR CTE OR Depression OR Anxiety OR Substance-related Disorder OR Sleep Wake Disorder)
S4: S1 AND S2 AND S3