

Supplementary Online Content

eTable 1: Characteristics of Included Studies Using the Modified Newcastle–Ottawa Scale for Assessing the Quality of the Non-Randomized Studies

eTable 2: Characteristics of Included Studies Using the Modified Newcastle–Ottawa Scale for Assessing the Quality of the Cross-Sectional Studies

eTable 3: Summary of Critical Appraisal of Included Studies Using the Newcastle–Ottawa Scale for Assessing the Quality of Observational Studies

eTable 4: Adjustment factors, Validation of Measurement, and Assessment of Outcomes for Included Studies

eTable 5: Leave-one-out Analysis for Coronary Heart Disease, Stroke, Metabolic Syndrome and Type 2 Diabetes

eFigure 1: White rice consumption and coronary heart disease and type 2 diabetes mellitus in Western countries

eMethods: Search Strategies

eTable 1: Characteristics of Included Studies Using the Modified Newcastle–Ottawa Scale for Assessing the Quality of the Non-Randomized Studies

Study, year	Selection				Comparability	Outcome		
	Representativeness of the exposed cohort truly the general population in the community	Selection of the non exposed cohort from the same community as the exposed cohort (drawn from the same community as the exposed cohort)	Ascertainment of exposure (validated questionnaire or measurement tool)	Demonstration that outcome of interest was not present at start of study (no CHD, stroke, T2DM or MetS at start of study)	Comparability of cohorts on the basis of the design or analysis (study controls for gender and cardiovascular risk factors)	Assessment of outcome (physician's diagnosis OR objective measurements)	Was follow-up long enough for outcomes to occur	Adequacy of follow up of cohorts (completed or loss follow up < 20%) or (The statistical test used to analyze the data is clearly described and appropriate)
Muraki et al, 2015	✓	✓	✓	✓	✓✓	✓	✓	✓
Dong et al, 2015	✓	✓		✓	✓	✓	✓	✓
Eshak et al, 2014	✓	✓	✓		✓	✓	✓	✓
Bahadoran et al, 2014	✓	✓	✓	✓	✓✓	✓	✓	✓
Yu, 2013	✓	✓	✓		✓✓	✓	✓	
Soriguer et al, 2013	✓	✓	✓	✓	✓	✓	✓	
Eshak et al, 2011	✓	✓	✓	✓	✓✓	✓	✓	✓
Yu et al, 2011			✓	✓	✓	✓	✓	
Liang et al, 2010	✓	✓	✓	✓	✓✓			✓
Oba et al, 2010		✓	✓	✓	✓✓		✓	✓
Sun et al, 2010	✓	✓	✓	✓	✓✓	✓	✓	✓
Nanri et al, 2010	✓	✓	✓	✓	✓✓	✓	✓	
Villegas et al, 2007			✓	✓	✓✓		✓	✓
Hodge et al, 2004	✓	✓	✓	✓	✓✓		✓	✓

eTable 2: Characteristics of Included Studies Using the Modified Newcastle–Ottawa Scale for Assessing the Quality of the Cross-Sectional Studies

Study, year	Selection				Comparability	Outcome	
	Representativeness of the target population in the community	Justified and satisfactory of sample size	Ascertainment of exposure (validated questionnaire or measurement tool)	Comparability between respondents and non-respondents characteristics is established, and the response rate is satisfactory	Comparability of cohorts on the basis of the design or analysis (study controls for gender and cardiovascular risk factors)	Assessment of outcome (physician’s diagnosis OR objective measurements)	The statistical test used to analyze the data is clearly described and appropriate (included 95% CI and p-value)
Song et al, 2014	✓	✓		✓	✓✓	✓	✓
Khosravi et al, 2013	✓	✓	✓	✓	✓✓	✓	✓
Ahn et al, 2013	✓	✓	✓	✓	✓✓	✓	✓
Kim et al, 2008	✓	✓	✓			✓	

eTable 3: Summary of Critical Appraisal of Included Studies Using the Newcastle–Ottawa Scale for Assessing the Quality of Observational Studies

Study, year	Stars, n			total	Quality
	Selection	Comparability	Outcome		
Muraki et al, 2015	4	2	3	9	High
Dong et al, 2015	3	1	3	7	High
Eshak et al, 2014	3	1	3	7	High
Song et al, 2014	3	2	3	7	High
Bahadoran et al, 2014	4	2	3	9	High
Yu et al, 2013	3	2	2	7	High
Khosravi et al, 2013	4	2	3	8	High
Ahn et al, 2013	4	2	3	8	High
Soriguer et al, 2013	4	1	2	7	High
Eshak et al, 2011	4	2	3	9	High
Yu et al, 2011	2	1	2	5	Moderate
Liang et al, 2010	4	2	1	7	High
Oba et al, 2010	3	2	2	7	High
Sun et al, 2010	4	2	3	9	High
Nanri et al, 2010	4	2	2	8	High
Kim et al, 2008	2	0	2	4	Moderate
Villegas et al, 2007	2	2	2	6	Moderate
Hodge et al, 2004	4	2	2	8	High

a: maximum 4 stars

b: maximum 2 stars

c: maximum 3 stars

eTable 4: Adjustment factors, validation of measurement, and assessment of outcomes for included studies

	Adjusted for	Validation of measurement (correlation coefficients)	Category	Assessment of outcomes
Muraki et al, 2015	Gender, ethnicity, family history of MI, HTN, hypercholesterolemia, T2DM, BMI, physical activity, cigarette smoking, alcohol intake, multivitamin use, menopausal status and postmenopausal hormone use (for women), oral contraceptive use (for NHSII only), current aspirin use, total energy intake, and the modified aHEI score	0.57 (using multiple-day diet records as the reference method)	>5 servings/wk vs < 1 serving/wk	World Health Organization criteria for MI or the National Survey of Stroke criteria for stroke
Dong et al, 2015	Age, gender, education, urbanicity, HTN, total physical activity, total energy intake, dietary pattern scores, BMI, fiber intakes, magnesium intakes, fat intake, smoking, alcohol intake, and income (low/medium/high)	0.56 (men) and 0.60 (women)	Highest vs. Lowest tertiles	Diabetes was classified using fasting blood glucose (FBG) ≥ 7.0 mmol/l
Bahadoran et al, 2014	Age, gender, BMI, total energy intake, carbohydrate, protein and fiber intake	0.59 (men) and 0.60 (women)	Highest vs. Lowest quartiles	NCEP ATP III for MetS
Song et al, 2014	Age, living area (urban or rural), education (elementary, junior high, senior high, or college or more), smoking status, current alcohol intake, vigorous physical activity, and total energy intake	None mentioned	Highest vs. Lowest quartiles	NCEP ATP III for MetS with a modified waist circumference cutoff for Korean adults
Eshak et al, 2014	Age, gender, PHC, history of HTN, T2DM, the use of a lipid-lowering drug, BMI, smoking status, ethanol intake, leisure-time sports activity, quintiles of energy- adjusted dietary intakes of selected foods and nutrients (seafood, meat, fruit, vegetables, soy, SFAs, and sodium), total caloric intake. Menopausal status and postmenopausal hormone use (for women).	0.79 (men) and 0.71 (women)	Highest vs. Lowest quartiles	The criteria of the Monitoring Trends and Determinants of Cardiovascular Disease Project and the criteria of the National Survey of Stroke
Yu et al, 2013	Educational level, income level, cigarette smoking, alcohol consumption, physical activity level, waist-to-hip ratio, history of HTN, and dietary intakes of total energy, saturated fat, and protein	0.65 (2nd FFQ vs 24-h recalls) and 0.48 (1st FFQ vs 2nd FFQ)	Highest vs. Lowest quartiles	World Health Organization criteria for MI
Khosravi et al, 2013	Age, gender, education, marriage, income, smoking, and physical activity, and BMI	None mentioned	White rice consumption of ≤ 7 times per week vs. 7-14 times per week	NCEP ATP III for MetS FBS ≥ 126 mg/dL or glucose 2hpp ≥ 200 mg/dL or using drug for diabetes for T2DM
Ahn et al, 2013	Age, gender, total energy intake, education level, supplement use, exercise, drinking, and smoking	0.45 (two FFQs 1 year apart)	Pure white rice vs. white rice with multi grains or beans	NCEP ATP III for MetS
Soriguer et al, 2013	Age, gender, obesity, the presence of IFG or IGT, exercise, and educational level.	Not mentioned	Once or less or more than one a week	1998 World Health Organization criteria for T2DM
Eshak et al, 2011	Age, history of HTN, history of T2DM, BMI, smoking status, current smoker, alcohol consumption, hours of exercise, hours of walking, perceived mental stress, education level, sleep	0.63 (the FFQ and four 3-d dietary record were 0.63)	Highest vs. Lowest quartiles	International Statistical Classification of Diseases and Related Health Problems, 10th revised edition (ICD-10).

	duration, fish, fruit, vegetable, meat, milk and dairy products, soy, total energy intake, sodium intake and Key's dietary score			
Yu et al, 2011	Age, sex, BMI, waist-to-hip ratio, current smoking status, alcohol intake, participation in exercise/sports and family history of diabetes	Validated, but no correlation provided	Comparison (g/week)	The WHO Study Group (1998) criteria
Liang et al, 2010	Age, gender, weight, height, education level, smoking status/pack-years, and alcohol drinking status	Not mentioned	Case vs control	sudden onset of a focal neurologic event, with symptoms lasting 24 hours and subsequent confirmation of brain infarct by computed tomography or magnetic resonance imaging, and no previous history of stroke.
Oba et al, 2010	Age, BMI, smoking status, physical activity, reported history of HTN; education, intake of total energy, alcohol, dietary fiber, salt, and total fat	FFQ and 12-day food record – 0.34 (men) and 0.45 (women)	Highest vs. Lowest quartiles	Classification of Diseases and Related Health Problems, 10th revised edition (ICD-10)
Sun et al, 2010	Age, ethnicity, BMI, smoking status, alcohol intake, multivitamin use, physical activity, and family history of T2DM, total energy intake and intake of red meat, fruits, vegetables, coffee, and whole grains, oral contraceptive use (NHSII participants only), postmenopausal status, and hormone use (for nurses)	0.53 (FFQ and with diet record Assessments)	Highest vs. Lowest quintiles	The criteria from the National Diabetes Data Group to confirm self-reported diagnosis of T2DM.
Nanri et al, 2010	Age, study area, BMI, smoking habit with a consumption of either < 20 or >20 cigarettes/d, alcohol consumption, total physical activity level, history of HTN, family history of T2DM, occupation, total energy intake, coffee consumption, calcium intake, magnesium intake, dietary fiber intake, fruit intake, vegetable intake, and fish intake	0.67 (men) and 0.55 (women)	Highest vs. Lowest quartiles	Self-reported diabetes and confirmed by medical records
Kim et al, 2008	Age, education years, smoking status, BMI, alcohol intake, HTN, T2DM, family history of T2DM and myocardial infarction, leisure-time physical activity and energy intake	0.47 (multiple 24 h recalls) 0.41 (between two FFQ)	Highest vs. Lowest quintiles	NCEP ATP III for MetS
Villegas et al, 2007	Age, level of educational achievement, WHR, BMI, physical activity categories family income in yuan per year, the exchange rate for the US dollar at the time, occupation, smoking status, alcohol consumption, non-occupational physical activity, and hypertension diagnosis	0.65 (2nd FFQ vs 24-h recalls) and 0.48 (1st FFQ vs 2nd FFQ)	Highest vs. Lowest quintiles	Criteria as recommended by the American Diabetes Association
Hodge et al, 2004	Age, country of birth, sex, physical activity score, weight change, education level, alcohol intake, and family history of T2DM, energy intake, BMI and WHR	None mentioned	Highest vs. Lowest quartiles	World Health Organization criteria for T2DM

Abbreviations: HTN: hypertension; T2DM: type 2 diabetes; MetS: metabolic syndrome; AHEI score: alternate healthy eating index; IFG: impaired fasting glucose; IGT: impaired glucose tolerance; BMI: body mass index; WHR: waist-to-hip ratio; NCEP ATP III: National Cholesterol Education Program - Adult Treatment Panel III; FFQ: Food Frequency Questionnaires; PHC: Personal health care

eTable 5: Leave-one-out analysis for coronary heart disease, stroke, metabolic syndrome and type 2 diabetes

Study be omitted <u>coronary heart disease</u>	RR	95% CI	P-value
Overall	0.99	(0.79, 1.24)	0.912
Omitting Muraki et al (CAD), 2015	1.07	(0.79, 1.46)	0.657
Omitting Eshak et al (IHD), 2014	0.98	(0.73, 1.31)	0.887
Omitting Yu et al (M), 2013	0.92	(0.76, 1.12)	0.407
Omitting Yu et al (F), 2013	0.96	(0.76, 1.22)	0.741
Omitting Eshak et al (M), 2011	1.07	(0.84, 1.36)	0.612
Omitting Eshak et al (F), 2011	0.98	(0.76, 1.28)	0.902

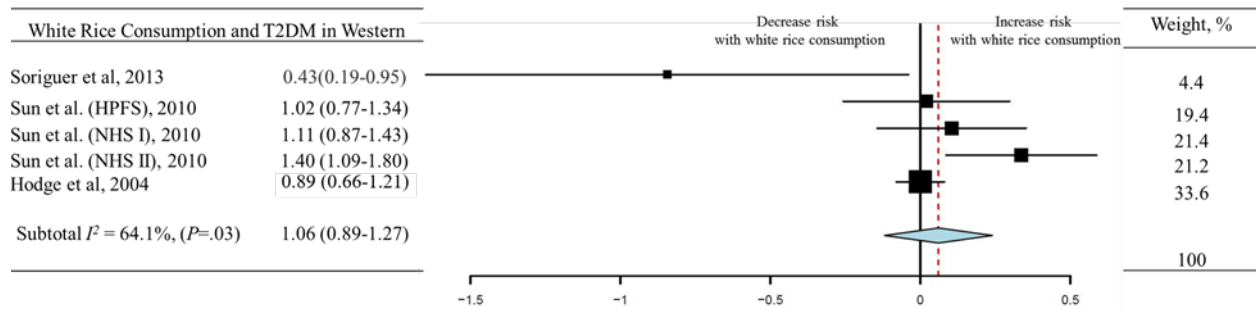
Study be omitted <u>stroke</u>	RR	95% CI	P-value
Overall	0.96	(0.89, 1.04)	0.339
Omitting Muraki et al (Ischemic), 2015	0.98	(0.90, 1.06)	0.590
Omitting Muraki et al (Hemorrhagic), 2015	0.98	(0.90, 1.06)	0.590
Omitting Eshak et al (Hemorrhagic), 2014	0.96	(0.88, 1.05)	0.416

Omitting Eshak et al (Ischemic), 2014	0.95	(0.87, 1.03)	0.234
Omitting Eshak et al (M), 2011	0.96	(0.87, 1.07)	0.505
Omitting Eshak et al (F), 2011	0.96	(0.86, 1.07)	0.486
Omitting Liang et al, 2010	0.96	(0.92, 1.01)	0.104
Omitting Oba et al (M), 2010	0.96	(0.89, 1.05)	0.389
Omitting Oba et al (F), 2010	0.96	(0.89, 1.04)	0.302

Study be omitted <u>metabolic syndrome</u>	RR	95% CI	P-value
Overall	1.30	(1.03, 1.65)	0.027
Omitting Bahadoran et al, 2014	1.25	(0.98, 1.59)	0.072
Omitting Song et al, 2014	1.18	(0.95, 1.46)	0.128
Omitting Ahn et al, 2013	1.45	(1.04, 2.01)	0.028
Omitting Khosravi et al, 2013	1.32	(1.02, 1.72)	0.036
Omitting Kim, Kirang et al (M), 2008	1.27	(1.00, 1.61)	0.047
Omitting Kim, Kirang et al (F), 2008	1.26	(0.99, 1.59)	0.056

Study be omitted <u>type 2 diabetes</u>	RR	95% CI	P-value
Overall	1.10	(0.91, 1.32)	0.326
Omitting Dong et al, 2015	1.15	(0.95, 1.39)	0.141
Omitting Khosravi et al, 2013	1.10	(0.91, 1.33)	0.340
Omitting Soriguer et al, 2013	1.14	(0.95, 1.37)	0.159
Omitting Yu et al, 2011	1.13	(0.92, 1.38)	0.251
Omitting Nanri et al (W), 2010	1.06	(0.88, 1.29)	0.542
Omitting Nanri et al (M), 2010	1.09	(0.89, 1.33)	0.426
Omitting Sun et al (HPFS), 2010	1.10	(0.90, 1.36)	0.353
Omitting Sun et al (NHS I), 2010	1.09	(0.88, 1.35)	0.416
Omitting Sun et al (NHS II), 2010	1.06	(0.87, 1.30)	0.549
Omitting Villegas et al, 2007	1.04	(0.89, 1.21)	0.579
Omitting Hodge et al, 2004	1.10	(0.88, 1.38)	0.402

eFigure 1: White rice consumption and coronary heart disease and type 2 diabetes mellitus in Western countries



eMethods: Search Strategies

Ovid

Database(s): Embase 1988 to 2016 Week 09, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present, EBM Reviews - Cochrane Central Register of Controlled Trials January 2016

Search Strategy:

#	Searches	Results
1	exp Cardiovascular Diseases/ (((endocardial or subendocardial or angiocardiovascular or cardiovascular or heart or cardiac or cardial or coronary or vascular or myocardial or myocardium or myocard or pericardial or vasculitic or vessel* or aorta or aortic or arteriovenous or artery or arteries or arterial or vein or veins or cerebrovascular) adj3 (anomaly or anomalies or abnormalit* or defect or defects or disease* or complication* or disorder* or disturbance* or infection* or inflammation* or lesion* or malformation* or symptom* or syndrome* or event* or deficiency or deformity or dysfunction* or ischemia* or ischaemia* or ischemic or ischaemic or insufficienc*)) or "angina pectoris" or arteriosclerosis or atherosclerosis or "cardiac allograft vasculopath*" or "cardiac arrest" or "cardiac backward failure"	4781250
2	or "cardiac death" or "cardiac decompensation" or "Cardiac Failure" or "cardiac incompetence" or "cardiac infarct*" or "cardiac stand still" or "cardiac sudden death" or "cardial decompensation" or "cardial infarct*" or cardiomyopathy or cardiopath* or "coronary artery constriction*" or "coronary artery obstruction*" or "coronary artery thrombos*" or "decompensatio cordis" or "heart attack" or "heart backward failure" or "heart death" or "Heart Decompensation" or "heart failure" or "heart incompetence" or "heart infarct*" or "heart micro infarct*" or "heart muscle infarct*" or "insufficiencia cordis" or "Kounis syndrome" or "Myocardial Failure" or "myocardial hibernation" or "Myocardial Infarct*" or "myocardium infarct*" or "no reflow phenomenon" or "premonitory infarction sign*" or "subendocardial infarct*").mp.	2994876
3	exp Stroke/	218816
4	exp cerebrovascular accident/	218816
5	exp Cerebrovascular Disorders/	705944
6	(((cerebral or brain) adj3 (insult or insultus or accident* or "blood flow disturbance*" or infarct* or ischem* or ischaem*)) or apoplexia or apoplexy or "cerebral vascular*" or cerebrovascular* or "cerebrum vascular*" or "ischaemic seizure*" or "ischemic seizure*" or stroke or strokes).mp.	819685
7	exp diabetes mellitus/	972684
8	(diabetes or iddm or niddm).mp.	1173678
9	7 or 8	1235140
10	or/1-9	6154709
11	exp Oryza sativa/	47982

12 ("oryza sativa" or rice).mp.	76267
13 11 or 12	78293
14 10 and 13	2552
15 exp controlled study/	5000389
16 exp Randomized Controlled Trial/	786928
17 exp triple blind procedure/	119
18 exp Double-Blind Method/	366545
19 exp Single-Blind Method/	57607
20 exp latin square design/	323
21 exp Placebos/	293727
22 exp Placebo Effect/	8592
23 exp comparative study/	2566447
24 exp Cohort Studies/	1849096
25 longitudinal study/	183609
26 exp prospective study/	796380
27 exp observational study/	103560
28 exp clinical trial/	1747881
29 clinical study/	69901
30 exp case-control studies/	877895
31 exp confidence interval/	137863
32 exp regression analysis/	648166
33 exp proportional hazards model/	115242
34 exp multivariate analysis/ ((control* adj3 study) or (control* adj3 trial) or (randomized adj3 study) or (randomized adj3 trial) or (randomised adj3 study) or (randomised adj3 trial) or "pragmatic clinical trial" or (doubl* adj blind*) or (doubl* adj mask*) or (singl* adj blind*) or (singl* adj mask*) or (tripl* adj blind*) or (tripl* adj mask*) or (trebl* adj blind*) or (trebl* adj mask*) or "latin square" or placebo* or nocebo* or multivariate or "comparative study" or "comparative survey" or "comparative analysis" or cohort* or "longitudinal study" or "longitudinal survey" or "longitudinal analysis" or "longitudinal evaluation" or longitudinal* or "prospective study" or "prospective survey" or "prospective analysis" or prospectiv* or "incidence study" or "incidence survey" or "incidence analysis" or (("follow-up" or followup) adj (stud* or survey or analysis)) or ((observation or observational) adj (study or survey or analysis)) or "case study" or "case series" or "clinical series" or "case studies" or "clinical study" or "clinical trial" or "case control study" or "case base study" or "case referent study" or "case referent study" or "case referent study" or "case compeer study" or "case comparison study" or "matched case control" or "multicenter study" or "multi-center study" or "odds ratio" or "confidence interval" or "regression analysis" or "least square" or "least squares" or (hazard* adj (model or analys* or regression)) or "Cox model"	405537
35	12865408

or "Cox multivariate analyses" or "Cox multivariate analysis" or "Cox regression" or "Cox survival analyses" or "Cox survival analysis" or "Cox survival model" or "change analysis").mp.pt.

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37 14 and 36 1238

38 (exp animals/ or exp nonhuman/) not exp humans/ 8292978
 ((alpaca or alpacas or amphibian or amphibians or animal or animals or antelope or armadillo or armadillos or avian or baboon or baboons or beagle or beagles or bee or bees or bird or birds or bison or bovine or buffalo or buffaloes or buffalos or "c elegans" or "Caenorhabditis elegans" or camel or camels or canine or canines or carp or cats or cattle or chick or chicken or chickens or chicks or chimp or chimpanze or chimpanzees or chimps or cow or cows or "D melanogaster" or "dairy calf" or "dairy calves" or deer or dog or dogs or donkey or donkeys or drosophila or "Drosophila melanogaster" or duck or duckling or ducklings or ducks or equid or equids or equine or equines or feline or felines or ferret or ferrets or finch or finches or fish or flatworm or flatworms or fox or foxes or frog or frogs or "fruit flies" or "fruit fly" or "G mellonella" or "Galleria mellonella" or geese or gerbil or gerbils or goat or goats or goose or gorilla or gorillas or hamster

39 or hamsters or hare or hares or heifer or heifers or horse or horses or insect or 7271649
 insects or jellyfish or kangaroo or kangaroos or kitten or kittens or lagomorph or lagomorphs or lamb or lambs or llama or llamas or macaque or macaques or macaw or macaws or marmoset or marmosets or mice or minipig or minipigs or mink or minks or monkey or monkeys or mouse or mule or mules or nematode or nematodes or octopus or octopuses or orangutan or "orang-utan" or orangutans or "orang-utans" or oxen or parrot or parrots or pig or pigeon or pigeons or piglet or piglets or pigs or porcine or primate or primates or quail or rabbit or rabbits or rat or rats or reptile or reptiles or rodent or rodents or ruminant or ruminants or salmon or sheep or shrimp or slug or slugs or swine or tamarin or tamarins or toad or toads or trout or urchin or urchins or vole or voles or waxworm or waxworms or worm or worms or xenopus or "zebra fish" or zebrafish) not (human or humans)).mp.

40 37 not (38 or 39) 1004

41 40 not "conference abstract".pt. 902
 limit 41 to (editorial or erratum or letter or note or addresses or autobiography or bibliography or biography or comment or dictionary or directory or interactive tutorial or interview or lectures or legal cases or legislation or news or newspaper

42 article or overall or patient education handout or periodical index or portraits or 15
 published erratum or video-audio media or webcasts) [Limit not valid in Embase,Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process,CCTR; records were retained]

43 41 not 42 887

44 limit 43 to yr="1966 -Current" 887

45 remove duplicates from 44 570

Scopus

- 1 TITLE-ABS-KEY(((endocardial or subendocardial or angiocardiovascular or cardiovascular or heart or cardiac or cardial or coronary or vascular or myocardial or myocardium or myocard or pericardial or vasculitic or vessel* or aorta or aortic or arteriovenous or artery or arteries or arterial or vein or vein or veins or cerebrovascular) W/3 (anomaly or anomalies or abnormalit* or defect or defects or disease* or complication* or disorder* or disturbance* or infection* or inflammation* or lesion* or malformation* or symptom* or syndrome* or event* or deficiency or deformity or dysfunction* or ischemia* or ischaemia* or ischemic or ischaemic or insufficienc*)) OR "angina pectoris" OR arteriosclerosis OR atherosclerosis OR "cardiac allograft vasculopath*" OR "cardiac arrest" OR "cardiac backward failure" OR "cardiac death" OR "cardiac decompensation" OR "Cardiac Failure" OR "cardiac incompetence" OR "cardiac infarct*" OR "cardiac stand still" OR "cardiac sudden death" OR "cardial decompensation" OR "cardial infarct*" OR cardiomyopathy OR cardiopath* OR "coronary artery constriction*" OR "coronary artery obstruction*" OR "coronary artery thrombos*" OR "decompensatio cordis" OR "heart attack" OR "heart backward failure" OR "heart death" OR "Heart Decompensation" OR "heart failure" OR "heart incompetence" OR "heart infarct*" OR "heart micro infarct*" OR "heart muscle infarct*" OR "insufficiencia cordis" OR "Kounis syndrome" OR "Myocardial Failure" OR "myocardial hibernation" OR "Myocardial Infarct*" OR "myocardium infarct*" OR "no reflow phenomenon" OR "premonitory infarction sign*" OR "subendocardial infarct*")
- 2 TITLE-ABS-KEY (((cerebral or brain) W/3 (insult or insultus or accident* or "blood flow disturbance*" or infarct* or ischem* or ischaem*)) or apoplexia or apoplexy or "cerebral vascular*" or cerebrovascular* or "cerebrum vascular*" or "ischaemic seizure*" or "ischemic seizure*" or stroke or strokes)
- 3 TITLE-ABS-KEY(diabetes or iddm or niddm)
- 4 TITLE-ABS-KEY("oryza sativa" OR rice)
- 5 TITLE-ABS-KEY((control* W/3 study) OR (control* W/3 trial) OR (randomized W/3 study) OR (randomized W/3 trial) OR (randomised W/3 study) OR (randomised W/3 trial) OR "pragmatic clinical trial" OR (doubl* W/1 blind*) OR (doubl* W/1 mask*) OR (singl* W/1 blind*) OR (singl* W/1 mask*) OR (tripl* W/1 blind*) OR (tripl* W/1 mask*) OR (trebl* W/1 blind*) OR (trebl* W/1 mask*) OR "latin square" OR placebo* OR nocebo* OR multivariate OR "comparative study" OR "comparative survey" OR "comparative analysis" OR cohort* OR "longitudinal study" OR "longitudinal survey" OR "longitudinal analysis" OR "longitudinal evaluation" OR longitudinal* OR "prospective study" OR "prospective survey" OR "prospective analysis" OR prospectiv* OR "incidence study" OR "incidence survey" OR "incidence analysis" OR (("follow-up" or followup) W/1 (stud* or survey or analysis)) OR ((observation or observational) W/1 (study or survey or analysis)) OR

"case study" OR "case series" OR "clinical series" OR "case studies" OR "clinical study" OR "clinical trial" OR "case control study" OR "case base study" OR "case referent study" OR "case referent study" OR "case referent study" OR "case compeer study" OR "case comparison study" OR "matched case control" OR "multicenter study" OR "multi-center study" OR "odds ratio" OR "confidence interval" OR "regression analysis" OR "least square" or "least squares" OR (hazard* W/1 (model OR analys* OR regression)) OR "Cox model" OR "Cox multivariate analyses" OR "Cox multivariate analysis" OR "Cox regression" OR "Cox survival analyses" OR "Cox survival analysis" OR "Cox survival model" OR "change analysis")

6 PUBYEAR AFT 1965

7 (1 or 2 or 3) and 4 and 5 and 6

8 TITLE-ABS-KEY((alpaca OR alpacas OR amphibian OR amphibians OR animal OR animals OR antelope OR armadillo OR armadillos OR avian OR baboon OR baboons OR beagle OR beagles OR bee OR bees OR bird OR birds OR bison OR bovine OR buffalo OR buffaloes OR buffalos OR "c elegans" OR "Caenorhabditis elegans" OR camel OR camels OR canine OR canines OR carp OR cats OR cattle OR chick OR chicken OR chickens OR chicks OR chimp OR chimpanze OR chimpanzees OR chimps OR cow OR cows OR "D melanogaster" OR "dairy calf" OR "dairy calves" OR deer OR dog OR dogs OR donkey OR donkeys OR drosophila OR "Drosophila melanogaster" OR duck OR duckling OR ducklings OR ducks OR equid OR equids OR equine OR equines OR feline OR felines OR ferret OR ferrets OR finch OR finches OR fish OR flatworm OR flatworms OR fox OR foxes OR frog OR frogs OR "fruit flies" OR "fruit fly" OR "G mellonella" OR "Galleria mellonella" OR geese OR gerbil OR gerbils OR goat OR goats OR goose OR gorilla OR gorillas OR hamster OR hamsters OR hare OR hares OR heifer OR heifers OR horse OR horses OR insect OR insects OR jellyfish OR kangaroo OR kangaroos OR kitten OR kittens OR lagomorph OR lagomorphs OR lamb OR lambs OR llama OR llamas OR macaque OR macaques OR macaw OR macaws OR marmoset OR marmosets OR mice OR minipig OR minipigs OR mink OR minks OR monkey OR monkeys OR mouse OR mule OR mules OR nematode OR nematodes OR octopus OR octopuses OR orangutan OR "orang-utan" OR orangutans OR "orang-utans" OR oxen OR parrot OR parrots OR pig OR pigeon OR pigeons OR piglet OR piglets OR pigs OR porcine OR primate OR primates OR quail OR rabbit OR rabbits OR rat OR rats OR reptile OR reptiles OR rodent OR rodents OR ruminant OR ruminants OR salmon OR sheep OR shrimp OR slug OR slugs OR swine OR tamarin OR tamarins OR toad OR toads OR trout OR urchin OR urchins OR vole OR voles OR waxworm OR waxworms OR worm OR worms OR xenopus OR "zebra fish" OR zebrafish) AND NOT (human OR humans))

9 7 and not 8

- 10 DOCTYPE(le) OR DOCTYPE(ed) OR DOCTYPE(bk) OR DOCTYPE(er) OR DOCTYPE(no) OR DOCTYPE(sh)
- 11 9 and not 10
- 12 PMID(0*) OR PMID(1*) OR PMID(2*) OR PMID(3*) OR PMID(4*) OR PMID(5*) OR PMID(6*) OR PMID(7*) OR PMID(8*) OR PMID(9*)
- 13 11 and not 12