547 Potentially relevant articles identified from MEDLINE & EMBASE

195 Potentially relevant articles evaluated

23 Evaluated in detail (full text)

19 Included in meta-analysis
  9 Cohort studies on MetS and prostate cancer risk in prostate cancer-free population
  7 Studies on MetS and high grade Gleason prostate cancer
  4 Studies on MetS and advanced prostate cancer
  2 Studies on MetS and biochemical recurrence
  3 Cohort studies on MetS and prostate cancer-specific mortality

352 Excluded
  219 Review
  21 Animal studies
  87 Abstract only
  33 Editorial
  9 Meta-analysis

172 Excluded
  Did not study MetS as exposure and prostate cancer risk or parameters of prostate cancer as outcome

6 Excluded
  1 Study on MetS factors and prostate cancer risk without a standard MetS definition.
  2 Published previously on the same or subset of the database
  1 Study on MetS and prostate cancer risk of re-biopsy
  1 Study on MetS factors and biochemical recurrence without a standard MetS definition
  1 Case-control study on MetS and prostate cancer risk
  2 Additional retrieved from bibliography