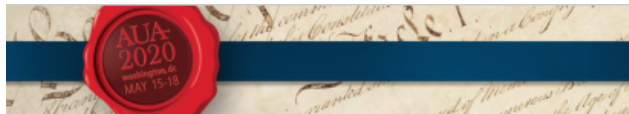


GLEASON SCORE AT POSITIVE SURGICAL MARGIN IN PROSTATE CANCER: A SYSTEMATIC REVIEW AND META- ANALYSIS

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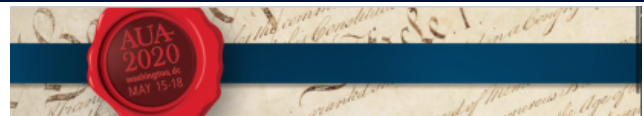
Methods:

Keywords used for search: **(positive margin OR positive surgical margin); surgical margin) AND (Gleason score) OR (Gleason grade) AND (prostate cancer) OR (radical prostatectomy).**

The primary outcome of interest was BCR due to the long history of prostate cancer and limited data on metastasis and mortality in the literature.

This systematic review was performed according to the Preferred Reporting Items for Systematic Reviews and Meta-analyses (PRISMA) statement (PROSPERO number: CRD42020141894).

Figure 1. PRISMA flow chart for article selection process to analyze the prognostic value of Gleason grade at positive surgical margin in prostate cancer.

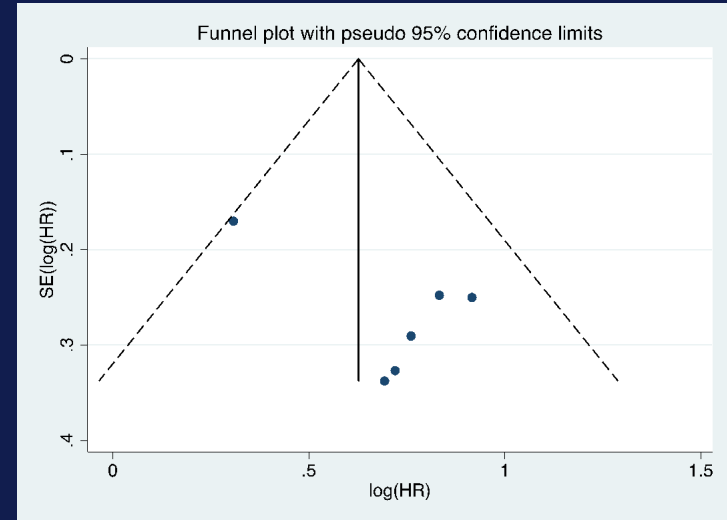
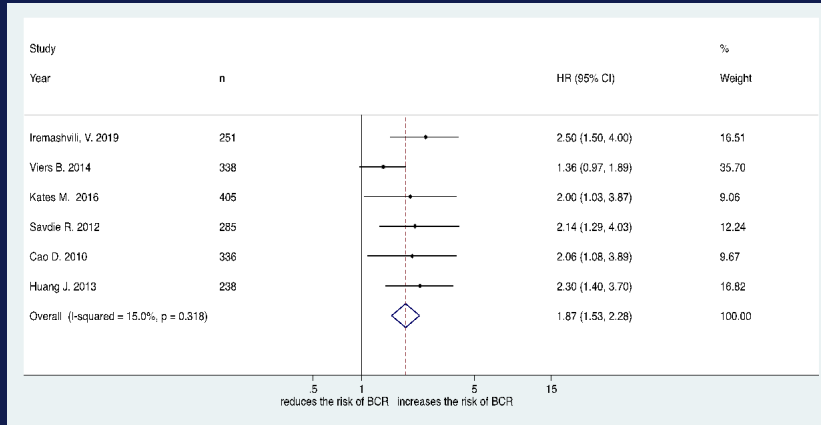


Results

A total **1.676** papers were identified using MEDLINE/PubMed database.

10 papers comprising **14.108** patients conducted between 2010 and 2019 were considered for systematic review;

6 studies, including **1.863** patients, were eligible for the meta-analysis.



Conclusions

Gleason Grade 4 at a PSM is a feature of biologically aggressive prostate cancer that is associated with a significant increase risk of BCR.

Gleason Grade should be recorded in each pathological report.

Patients with GG4 at PSM should be considered for multimodal therapy such as radiotherapy.

