Prognostic and diagnostic value of circRNA expression in prostate cancer: a systematic review and meta-analysis

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Detailed search strategy:

Web of science:

TS=(Prostatic Neoplasms OR Prostate Neoplasms OR Neoplasms, Prostate OR Neoplasm, Prostate OR Prostate Neoplasm OR Neoplasms, Prostatic OR Neoplasm, Prostatic OR Prostatic Neoplasm OR Prostate Cancer OR Cancer, Prostate OR Cancers, Prostate OR Prostate Cancers OR Cancer of the Prostate OR Prostatic Cancer OR Cancer, Prostatic OR Cancers, Prostatic OR Prostatic Cancers OR Cancer of Prostate AND RNA, Circular OR circRNAs OR Closed Circular RNA OR Circular RNA, Closed OR RNA, Closed Circular OR Circular RNA OR Circular RNAs OR RNAs, Circular OR circRNA OR Circular Intrinsic RNA OR Intrinsic RNA, Circular OR RNA, Circular Intrinsic OR CiRNA)

TS= (RNA, Circular OR circRNAs OR Closed Circular RNA OR Circular RNA, Closed OR RNA, Closed Circular OR Circular RNA OR Circular RNAs OR RNAs, Circular OR circRNA OR Circular Intrinsic RNA OR Intrinsic RNA, Circular OR RNA, Circular Intrinsic OR CiRNA)

Pubmed:

(((((((((((((((RNA, Circular[MeSH Terms]) OR (circRNAs[Title/Abstract])) OR (Closed Circular RNA[Title/Abstract])) OR (Circular RNA, Closed[Title/Abstract])) OR (RNA, Closed Circular[Title/Abstract])) OR (Circular RNA[Title/Abstract])) OR (Circular RNAs[Title/Abstract])) OR (RNAs, Circular[Title/Abstract])) OR (circRNA[Title/Abstract])) OR (Circular Intrinsic RNA[Title/Abstract])) OR (Intronic RNA, Circular[Title/Abstract])) OR (RNA, Circular Intrinsic[Title/Abstract])) OR (CiRNA[Title/Abstract])) AND ((((((((((((((Prostatic Neoplasms[MeSH Terms]) OR (Prostate Neoplasms[Title/Abstract])) OR (Neoplasms, Prostate[Title/Abstract])) OR (Neoplasm, Prostate[Title/Abstract])) OR (Prostate Neoplasm[Title/Abstract])) OR (Neoplasms, Prostatic[Title/Abstract])) OR (Neoplasm, Prostatic[Title/Abstract])) OR (Prostate Neoplasm[Title/Abstract])) OR (Prostate Cancers[Title/Abstract])) OR (Prostate Cancers[Title/Abstract])) OR (Cancer, Prostate[Title/Abstract])) OR (Cancers, Prostate[Title/Abstract])) OR (Prostate Cancers[Title/Abstract])) OR (Cancer of the Prostate[Title/Abstract])) OR (Prostatic Cancer[Title/Abstract])) OR (Cancers, Prostatic[Title/Abstract])) OR (Cancers, Prostatic[Title/Abstract])) OR (Prostatic Cancers[Title/Abstract])) OR (Cancer of Prostate[Title/Abstract]))

EMBASE:
| No. | Query                                                                 | Result |
|-----|----------------------------------------------------------------------|--------|
| #19 | #14 AND #18                                                          | 170    |
| #18 | #15 OR #16 OR #17                                                    | 8154   |
| #17 | 'rna, circular':ab,ti                                               | 76     |
| #16 | 'circular rna':ab,ti                                                | 4151   |
| #15 | 'circular ribonucleic acid'/exp                                     | 6781   |
| #14 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR | 244917 |
| #12 OR #13 |                                                                |        |
| #13 | 'prostatic malignancy':ab,ti                                        | 229    |
| #12 | 'prostatic cancer':ab,ti                                            | 8119   |
| #11 | 'prostate malignant tumour':ab,ti                                   | 2      |
| #10 | 'prostate malignant tumor':ab,ti                                     | 5      |
| #9  | 'prostate malignant neoplasm':ab,ti                                 | 2      |
| #8  | 'prostate malignancy':ab,ti                                          | 299    |
| #7  | 'prostate gland cancer':ab,ti                                        | 23     |
| #6  | 'malignant prostatic tumour':ab,ti                                   | 3      |
| #5  | 'malignant prostatic tumor':ab,ti                                    | 4      |
| #4  | 'malignant prostate tumour':ab,ti                                    | 3      |
| #3  | 'malignant prostate tumor':ab,ti                                     | 14     |
| #2  | 'cancer, prostate':ab,ti                                            | 2254   |
| #1  | 'prostate cancer'/exp                                                | 241557 |
PICOS Principles:

1. **Diagnostic:**
P (Populations): Prostate cancer patients
I (Interventions): Levels of circRNA
C (Comparators): Health Volunteers
O (Outcomes): Diagnosed with prostate cancer
S (Study designs): Cohort or case-control research

2. **Clinicopathological features:**
P (Populations): Prostate cancer patients
I (Interventions): Levels of circRNA
C (Comparators): Health Volunteers
O (Outcomes): Clinicopathological features of tumors
S (Study designs): Cohort or case-control research

3. **Prognosis:**
P (Populations): Prostate cancer patients
I (Interventions): Levels of circRNA
C (Comparators): Health Volunteers
O (Outcomes): Survival rates
S (Study designs): Cohort or case-control research