

## 『前立腺がん検診ガイドライン 2018年版』文献検索式 一覧

### ●分野1 疫学

- ・ CQ1 本邦の前立腺癌罹患数は増加しているのか？
- ・ CQ2 本邦の前立腺癌死亡数は増加しているのか？
- ・ CQ3 本邦の前立腺癌罹患率・死亡率は欧米と比べ低いのか？

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| データベース | PubMed    |  |
| 検索実行日  | 2017/4/14 |  |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/epidemiology"[mh] 14,362   |
|        | #2        | Search Japan[tiab] OR Japanese[tiab] 177,524   |
|        | #3        | Search #1 and #2 422   |
|        | #4        | Search "prostate cancer"[ti] 58,807  |
|        | #5        | Search mortality[ti] OR morbidity[ti] OR prevalence[ti] OR incidence[ti] OR epidemiol*[ti] 402,430 |
|        | #6        | Search #2 and #4 and #5 39   |
|        | #7        | Search #2 and #4 and #5 Filters: MEDLINE 35  |
|        | #8        | Search #6 not #7 4   |
|        | #9        | Search #3 or #8 426  |
|        | #10       | Search #9 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese 210           |

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| データベース | 医中誌       |  |
| 検索実行日  | 2017/4/14 |  |
| 文献検索式  | #1        | (前立腺腫瘍/MTH) and (SH=疫学) 315                  |
|        | #2        | 罹患率/TH or 死亡率/TH 128,421                     |
|        | #3        | #1 and #2 157                                |
|        | #4        | (#3) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト) 128 |

●分野2 前立腺がん検診受診者への対応:リスク因子・化学予防

- ・CQ4 検診において家族歴聴取は必要か？
- ・CQ5 家族歴を有する検診受診者への対応は変えるべきか？

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| データベース | PubMed    |  |         |
| 検索実行日  | 2017/4/14 |  |         |
| 文献検索式  | #1        | Search "prostatic neoplasms"[mh]   | 107,205 |
|        | #2        | Search family[ti] OR familial[ti] OR heredity[ti] OR hereditary[ti]                  | 199,804 |
|        | #3        | Search #1 AND #2   | 659     |
|        | #4        | Search "prostate cancer"[ti]   | 58,807  |
|        | #5        | Search #4 AND #2   | 497     |
|        | #6        | Search #5 Filters: MEDLINE   | 461     |
|        | #7        | Search #5 NOT #6   | 36      |
|        | #8        | Search #3 OR #7  | 695     |
|        | #9        | Search #8 Filters: Publication date from 2006/01/01 to 2017/02/28; Japanese; English | 348     |

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| データベース | 医中誌       |  |        |
| 検索実行日  | 2017/4/14 |  |        |
| 文献検索式  | #1        | 前立腺腫瘍/TH                                 | 43,329 |
|        | #2        | 家族性/AL or (血統/TH or 家族歴/AL) or 遺伝性/AL    | 68,072 |
|        | #3        | #1 and #2                                | 170    |
|        | #4        | (#3) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト) | 86     |

- ・CQ6 男性型脱毛症治療薬(5 $\alpha$ 還元酵素阻害薬)内服者への対応は必要か？
- ・CQ7 前立腺肥大症治療薬内服者への対応は必要か？

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| データベース | PubMed    |   |        |
| 検索実行日  | 2017/4/18 |   |        |
| 文献検索式  | #1        | Search "prostatic neoplasms"[Majr]  | 92,347 |
|        | #2        | Search "5-alpha Reductase Inhibitors"[Majr]   | 1,108  |
|        | #3        | Search "5-alpha Reductase Inhibitors"[PA]   | 3,129  |
|        | #4        | Search #1 AND #2 AND #3   | 227    |
|        | #5        | Search "prostate cancer"[ti]  | 58,852 |
|        | #6        | Search "5 $\alpha$ -reductase inhibitors"[ti] OR finasteride[ti] OR dutasteride[ti]   | 1,413  |
|        | #7        | Search #5 AND #6  | 223    |
|        | #8        | Search #7 Filters: MEDLINE  | 186    |
|        | #9        | Search #7 NOT #8  | 37     |
|        | #10       | Search #4 OR #9   | 264    |
|        | #11       | Search #10 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese | 197    |

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| データベース | 医中誌       |  |        |
| 検索実行日  | 2017/4/18 |  |        |
| 文献検索式  | #1        | 前立腺腫瘍/TH   | 43,388 |
|        | #2        | ("5-Alpha Reductase Inhibitors"/TH or 5 $\alpha$ 還元酵素阻害薬/AL) or (Finasteride/TH or フィナステリド/AL) or (Dutasteride/TH or デュタステリド/AL) | 1,011  |
|        | #3        | #1 and #2  | 108    |
|        | #4        | (#3) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト)   | 95     |

●分野3 検診発見癌と臨床診断(有症状発見)癌の比較

- ・CQ8 本邦で検診・健診を契機として発見される前立腺癌の比率は上昇しているのか？
- ・CQ9 検診発見癌と臨床診断(有症状発見)癌の進行度に違いはあるのか？
- ・CQ10 検診発見癌と臨床診断(有症状発見)癌の生存率に違いはあるのか？

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| データベース | PubMed   |   |
| 検索実行日  | 2017/3/2 |   |
| 文献検索式  | #1       | Search "Prostatic Neoplasms/diagnosis"[mh] 20,785   |
|        | #2       | Search "Mass Screening"[mh] 110,304   |
|        | #3       | Search "Disease Progression"[mh] OR "Survival Analysis"[mh] OR "Morbidity"[mh] OR "Mortality"[mh] 1,025,265   |
|        | #4       | Search #1 and #2 and #3 430   |
|        | #5       | Search prostate[ti] AND screen*[ti] 2,974   |
|        | #6       | Search detection[tiab] OR prevalence[tiab] OR incidence[tiab] OR stage[tiab] OR metastasis[tiab] OR survival[tiab] OR risk[tiab] OR progression[tiab] 4,205,451 |
|        | #7       | Search #5 and #6 1,439  |
|        | #8       | Search #5 and #6 Filters: MEDLINE 1,289   |
|        | #9       | Search #7 not #8 150  |
|        | #10      | Search #4 or #9 580   |
|        | #11      | Search #10 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese 330   |

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| データベース | 医中誌      |  |
| 検索実行日  | 2017/3/7 |  |
| 文献検索式  | #1       | (前立腺腫瘍/TH) and (SH=診断の利用, 診断, 画像診断, X線診断, 放射性核種診断, 超音波診断) 10,982   |
|        | #2       | (集団検診/TH or 検診/AL) or (人間ドック/TH or 人間ドック/AL) 119,508   |
|        | #3       | (発生率/TH or 罹患率/AL) or (有病率/TH or 有病率/AL) or (死亡率/TH or 死亡率/AL) or (生存/TH or 生存/AL) or 進行/AL or (病勢悪化/TH or 悪化/AL) or (腫瘍進行度/TH or 病期/AL) or (腫瘍転移/TH or 転移/AL) or (リスク/TH or リスク/AL) 793,442 |
|        | #4       | #1 and #2 and #3 464   |
|        | #5       | (#4) and (DT=2006:2017 and LA=日本語, 英語) 341   |

●分野4 前立腺がん検診の有効性評価

・CQ11 前立腺がん検診の有効性評価方法は無作為化比較対照試験 (RCT) がベストか？

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| データベース | PubMed    |   |         |
| 検索実行日  | 2017/3/15 |   |         |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/diagnosis"[mh]  | 20,835  |
|        | #2        | Search "Mass Screening"[mh]   | 110,425 |
|        | #3        | Search ("Epidemiologic Studies"[mh] OR "Observational Studies as Topic"[mh]) AND "Clinical Trials as Topic"[mh] | 29,259  |
|        | #4        | Search #1 and #2 and #3   | 24      |
|        | #5        | Search ("Prostate cancer"[tiab] OR "Prostate-Specific Antigen"[tiab]) AND screening[tiab]                       | 7,282   |
|        | #6        | Search randomized[tiab] AND (observational[tiab] OR case-control*[tiab] OR retrospective[tiab] OR cohort[tiab]) | 31,531  |
|        | #7        | Search #5 and #6  | 124     |
|        | #8        | Search #5 and #6 Filters: MEDLINE   | 102     |
|        | #9        | Search #7 not #8  | 22      |
|        | #10       | Search #4 or #10  | 46      |
|        | #11       | Search #10 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese                           | 32      |

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| データベース | 医中誌       |  |         |
| 検索実行日  | 2017/3/15 |  |         |
| 文献検索式  | #1        | (前立腺腫瘍/TH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断) | 10,982  |
|        | #2        | (前立腺特異抗原/TH or psa/AL)                             | 14,322  |
|        | #3        | #1 or #2   | 20,164  |
|        | #4        | (集団検診/TH or 検診/AL or スクリーニング/AL)                   | 150,305 |
|        | #5        | 疫学的研究/TH   | 113,541 |
|        | #6        | 評価研究/TH  | 177,835 |
|        | #7        | #3 and #4 and #5 and #6                            | 17      |
|        | #8        | (#7) and (DT=2006:2017 LA=日本語, 英語)                 | 15      |

- ・CQ12 検診実施による転移癌罹患率低下効果は証明されているのか？
- ・CQ13 検診実施による前立腺癌死亡率低下効果は証明されているのか？
- ・CQ14 検診実施による全死亡率低下効果はあるのか？

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| データベース | PubMed    |  |           |
| 検索実行日  | 2017/3/15 |  |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/diagnosis"[mh] OR "Prostatic Neoplasms/prevention and control"[mh] | 23,982    |
|        | #2        | Search "Mass Screening"[mh] OR screening[ti]   | 187,204   |
|        | #3        | Search "Mortality"[mh] OR "mortality"[sh] OR "Disease Progression"[mh]                         | 777,009   |
|        | #4        | Search #1 and #2 and #3  | 640       |
|        | #5        | Search ("prostate cancer"[ti] OR "Prostate-Specific Antigen"[ti] OR PSA[ti]) AND screening[ti] | 2,681     |
|        | #6        | Search mortality[tiab] OR metasta*[tiab] OR survival[tiab]                                     | 1,517,029 |
|        | #7        | Search #5 and #6   | 673       |
|        | #8        | Search #5 and #6 Filters: MEDLINE  | 572       |
|        | #9        | Search #7 not #8   | 101       |
|        | #10       | Search #4 or #9  | 741       |
|        | #11       | Search #10 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese          | 396       |

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| データベース | 医中誌       |  |         |
| 検索実行日  | 2017/3/16 |  |         |
| 文献検索式  | #1        | (前立腺腫瘍/TH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断) | 10,994  |
|        | #2        | (集団検診/TH or 検診/AL or スクリーニング/AL)                   | 150,672 |
|        | #3        | (生存率/TH or 生存率/AL)                                 | 43,247  |
|        | #4        | (死亡率/TH or 死亡率/AL)                                 | 99,242  |
|        | #5        | (腫瘍転移/TH or 転移/AL)                                 | 237,279 |
|        | #6        | #3 or #4 or #5                                     | 338,610 |
|        | #7        | #1 and #2 and #6                                   | 254     |
|        | #8        | (#7) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト)           | 202     |

●分野5 前立腺がん検診の対象・検査法・検診間隔

- ・CQ15 検診受診者の適切な受診開始年齢は？
- ・CQ16 検診受診中止判断に暦年齢・健康状態を考慮すべきか？

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| データベース | PubMed    |  |         |
| 検索実行日  | 2017/4/20 |  |         |
| 文献検索式  | #1        | Search "Prostatic Neoplasms"[Majr] OR "Neoplasms"[Majr:NoExp]  | 394,490 |
|        | #2        | Search "Mass Screening"[Majr] OR "screening"[TIAB]   | 432,904 |
|        | #3        | Search "age factors"[Majr] OR "aged"[Majr] OR "Life Expectancy"[Majr] OR "age"[TI] OR "Elderly"[TI] OR "geriatric"[TI] | 292,787 |
|        | #4        | Search #1 AND #2 AND #3  | 345     |
|        | #5        | Search "prostate cancer"[ti]   | 58,886  |
|        | #6        | Search #5 AND #2 AND #3  | 126     |
|        | #7        | Search #6 Filters: MEDLINE   | 111     |
|        | #8        | Search #6 NOT #7   | 15      |
|        | #9        | Search #4 OR #8  | 360     |
|        | #10       | Search #9 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese                                   | 209     |

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| データベース | 医中誌       |  |         |
| 検索実行日  | 2017/4/20 |  |         |
| 文献検索式  | #1        | 前立腺腫瘍/TH                                 | 43,388  |
|        | #2        | (集団検診/TH or 検診/AL)                       | 113,464 |
|        | #3        | 年齢/AL                                    | 167,423 |
|        | #4        | #1 and #2 and #3                         | 291     |
|        | #5        | (#4) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト) | 181     |

- ・CQ17 検診における適切なPSAカットオフ値は？

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| データベース | PubMed    |  |         |
| 検索実行日  | 2017/4/21 |  |         |
| 文献検索式  | #1        | Search "Prostatic Neoplasms"[majr]   | 92,420  |
|        | #2        | Search "Prostate-Specific Antigen"[majr]   | 10,054  |
|        | #3        | Search "reference values"[mh] OR reference value*[tiab] OR normal range*[tiab] OR normal value*[tiab] OR reference range*[tiab] OR cutoff value*[tiab] OR cut-off value*[tiab] | 241,032 |
|        | #4        | Search #1 AND #2 AND #3  | 651     |
|        | #5        | Search "prostate cancer"[ti]   | 58,903  |
|        | #6        | Search "Prostate Specific Antigen"[ti] OR "PSA"[ti]  | 9,071   |
|        | #7        | Search #5 AND #6 AND #3  | 320     |
|        | #8        | Search #7 Filters: MEDLINE   | 304     |
|        | #9        | Search #7 NOT #8   | 16      |
|        | #10       | Search #4 OR #9  | 667     |
|        | #11       | Search #10 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese  | 213     |

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| データベース | 医中誌       |  |        |
| 検索実行日  | 2017/4/21 |  |        |
| 文献検索式  | #1        | 前立腺腫瘍/TH                                 | 43,388 |
|        | #2        | (前立腺特異抗原/TH or PSA/AL)                   | 14,385 |
|        | #3        | 基準値/TH or カットオフ値/AL or 基準値/AL            | 18,594 |
|        | #4        | #1 and #2 and #3                         | 271    |
|        | #5        | (#4) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト) | 146    |

・ CQ18 直腸診の検診・診断における単独検査・PSA 検査の補完検査としての意義は？

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| データベース | PubMed    |  |        |
| 検索実行日  | 2017/4/24 |  |        |
| 文献検索式  | #1        | Search "Prostatic Neoplasms"[MAJR]   | 92,446 |
|        | #2        | Search "prostate specific antigen"[MH] OR "prostate specific antigen"[TI] OR PSA[TI]     | 22,979 |
|        | #3        | Search "digital rectal examination"[MAJR] OR "digital rectal examination"[TI] OR DRE[TI] | 653    |
|        | #4        | Search #1 AND #2 AND #3  | 237    |
|        | #5        | Search prostate[TI] AND cancer[TI]   | 61,590 |
|        | #6        | Search #5 AND #2 AND #3  | 160    |
|        | #7        | Search #6 Filters: MEDLINE   | 151    |
|        | #8        | Search #5 NOT #6   | 9      |
|        | #9        | Search #4 OR #8  | 246    |
|        | #10       | Search #9 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese     | 109    |

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| データベース | 医中誌       |  |        |
| 検索実行日  | 2017/4/24 |  |        |
| 文献検索式  | #1        | 前立腺腫瘍/MTH  | 26,521 |
|        | #2        | 直腸診/MTH  | 117    |
|        | #3        | #1 and #2  | 29     |
|        | #4        | (#3) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト) | 27     |

・ CQ19 PSA 基礎値によるリスク細分化オーダーメイド検診は有用か？

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| データベース | PubMed    |  |         |
| 検索実行日  | 2017/4/27 |  |         |
| 文献検索式  | #1        | Search "Prostatic Neoplasms"[MAJR]   | 92,504  |
|        | #2        | Search "prostate specific antigen"[MAJR] OR "prostate specific antigen"[TI] OR PSA[TI]         | 11,896  |
|        | #3        | Search age[ti] OR aged[ti] OR base[ti] OR based[ti] OR basal[ti]                               | 692,933 |
|        | #4        | Search #2 AND #3   | 828     |
|        | #5        | Search tailored[ti] OR precision[ti] OR personalized[ti] OR individualized[ti] OR optimize[ti] | 25,615  |
|        | #6        | Search #4 OR #5  | 26,440  |
|        | #7        | Search screening[ti] OR diagnosis[ti]  | 467,202 |
|        | #8        | Search #1 AND #6 AND #7  | 207     |
|        | #9        | Search "prostate cancer"[ti]   | 59,001  |
|        | #10       | Search #9 AND #6 AND #7  | 171     |
|        | #11       | Search #10 Filters: MEDLINE  | 149     |
|        | #12       | Search #10 NOT #11   | 22      |
|        | #13       | Search #8 OR #12   | 229     |
|        | #14       | Search #13 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese          | 150     |

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| データベース | 医中誌       |   |           |
| 検索実行日  | 2017/4/27 |   |           |
| 文献検索式  | #1        | 前立腺腫瘍/TH  | 43,388    |
|        | #2        | (前立腺特異抗原/TH or PSA/AL)  | 14,385    |
|        | #3        | 基礎値/AL or (オーダーメイド医療/TH or テーラーメイド/AL) or (オーダーメイド医療/TH or オーダーメイド/AL) or 個別/AL or 個人/AL or 最適/AL | 75,449    |
|        | #4        | (診断/TH or 診断/AL) or (集団検診/TH or 検診/AL)  | 3,436,208 |
|        | #5        | #1 and #2 and #3 and #4   | 132       |
|        | #6        | (#5) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト)  | 105       |

●分野6 住民検診・人間ドック検診システムと精度管理

- ・CQ20 住民検診で推奨される前立腺がん検診システム・精度管理は？
- ・CQ21 人間ドックで推奨される前立腺がん検診システム・精度管理は？

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| データベース | PubMed    |   |           |
| 検索実行日  | 2017/4/14 |   |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/diagnosis"[Majr] OR "Prostatic Neoplasms/mortality"[Majr]   | 15,314    |
|        | #2        | Search "Mass Screening"[Majr] OR screening[ti]  | 150,812   |
|        | #3        | Search accuracy[tiab] OR quality[tiab] OR cost[tiab] OR individualized[tiab] OR optimal[tiab] OR tailor-made[tiab] OR personalized[tiab] OR effective*[tiab] OR evaluat*[tiab] OR benefit*[tiab] OR harm*[tiab] | 5,287,056 |
|        | #4        | Search #1 and #2 and #3   | 830       |
|        | #5        | Search prostate[ti]   | 94,675    |
|        | #6        | Search screening[ti]  | 127,420   |
|        | #7        | Search accuracy[ti] OR quality[ti] OR cost[ti] OR individualized[ti] OR optimal[ti] OR tailor-made[ti] OR personalized[ti] OR effective*[ti] OR evaluat*[ti] OR benefit*[ti] OR harm*[ti]                       | 925,590   |
|        | #8        | Search #5 and #6 and #7   | 197       |
|        | #9        | Search #5 and #6 and #7 Filters: MEDLINE  | 170       |
|        | #10       | Search #8 not #9  | 27        |
|        | #11       | Search #4 or #10  | 857       |
|        | #12       | Search #11 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese   | 521       |

|        |           |  |           |
|--------|-----------|--|-----------|
| データベース | 医中誌       |  |           |
| 検索実行日  | 2017/4/14 |  |           |
| 文献検索式  | #1        | (前立腺腫瘍/MTH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断)                                  | 7,287     |
|        | #2        | 集団検診/MTH or 人間ドック/MTH  | 23,060    |
|        | #3        | 精度/AL or (基準値/TH or 基準値/AL) or 基礎値/AL or 効果/AL or 評価/AL or 有効/AL or システム/AL or 構築/AL | 1,424,546 |
|        | #4        | #1 and #2 and #3   | 210       |
|        | #5        | (#4) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト)                                     | 199       |

●分野7 精密検査

・CQ22 初回の精密検査として推奨される検査法は？

| データベース | PubMed    |   |           |
|--------|-----------|---|-----------|
| 検索実行日  | 2017/3/24 |   |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/diagnosis"[Majr] OR ("Prostatic Neoplasms/pathology"[Majr] AND "Biopsy"[mh])  | 16,944    |
|        | #2        | Search "Biopsy"[mh] OR "Magnetic Resonance Imaging"[mh] OR "Positron-Emission Tomography"[mh] OR "Ultrasonography"[mh] OR "free PSA"[tiab] OR "%fPSA"[tiab] OR "PSA density"[tiab]  | 966,341   |
|        | #3        | Search detect*[tiab] OR accuracy[tiab]  | 2,154,945 |
|        | #4        | Search necessary[tiab] OR unnecessary[tiab] OR diagnos*[tiab] OR evaluat*[tiab] OR "Health Services Misuse"[mh]   | 4,741,228 |
|        | #5        | Search #1 and #2 and #3 and #4  | 3,316     |
|        | #6        | Search "prostate cancer"[ti]  | 58,468    |
|        | #7        | Search diagnos*[ti] OR accuracy[ti] OR evaluat*[ti] OR biops*[ti] OR MRI[ti] OR PET[ti]   | 1,096,350 |
|        | #8        | Search #6 and #7  | 5,753     |
|        | #9        | Search #6 and #7 Filters: MEDLINE   | 4,818     |
|        | #10       | Search #8 not #9  | 935       |
|        | #11       | Search #5 or #10  | 4,251     |
|        | #12       | Search initial[tiab] OR primary[tiab] OR suspic*[tiab] OR suspect*[tiab]  | 1,997,592 |
|        | #13       | Search #11 and #12  | 1,526     |
|        | #14       | Search recurrence*[tiab] OR relaps*[tiab] OR "Neoplasm Recurrence, Local"[mh] OR "Prostatic Neoplasms/therapy"[mh] OR treatment[ti] OR therapy[ti] OR "Prostatectomy"[mh] OR prostatectomy[ti] OR secondary[sh] OR metastas*[tiab] OR metastat*[tiab] | 2,140,808 |
|        | #15       | Search #13 not #14  | 986       |
|        | #16       | Search #15 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese   | 649       |

| データベース | 医中誌       |   |         |
|--------|-----------|---|---------|
| 検索実行日  | 2017/3/24 |   |         |
| 文献検索式  | #1        | (前立腺腫瘍/TH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断)  | 10,994  |
|        | #2        | (精密検査/TH or 精密検査/AL)  | 6,834   |
|        | #3        | (生検/TH or 生検/AL) or (MRI/TH or MRI/AL) or (陽電子放射型断層撮影/TH or PET/AL) or (超音波/TH or 超音波/AL) | 714,813 |
|        | #4        | 遊離PSA/AL or "free PSA"/AL or fPSA/AL or "PSA density"/AL or PSA密度/AL                      | 302     |
|        | #5        | #2 or #3 or #4  | 720,122 |
|        | #6        | 初回/AL or 疑わ/AL or 疑い/AL   | 124,330 |
|        | #7        | 検出/AL or 発見/AL or 正確/AL or 評価/AL or 価値/AL   | 768,367 |
|        | #8        | #1 and #5 and #6 and #7   | 178     |
|        | #9        | (再発/TH or 再発/AL) or (腫瘍転移/TH or 転移/AL)  | 401,083 |
|        | #10       | #8 not #9   | 143     |
|        | #11       | (#10) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト)   | 71      |



・ CQ23 初回前立腺生検の適応はどのように判断すべきか？

| データベース | PubMed  |         |
|--------|---|---------|
| 検索実行日  | 2017/3/29   |         |
| 文献検索式  | #1 Search "Prostatic Neoplasms/pathology"[mh] OR "Prostatic Neoplasms/diagnosis"[mh]  | 57,313  |
|        | #2 Search "Biopsy"[mh]  | 249,718 |
|        | #3 Search "Prostate-Specific Antigen"[Majr] OR "Digital Rectal Examination"[Majr]   | 10,228  |
|        | #4 Search #1 and #2 and #3  | 1,501   |
|        | #5 Search "prostate cancer"[ti]   | 58,541  |
|        | #6 Search "prostate-specific antigen"[ti] OR PSA[ti] OR "digital rectal examination"[ti] OR DRE[ti] OR "free PSA"[tiab] OR "%fPSA"[tiab] OR "PSA density"[tiab]   | 10,169  |
|        | #7 Search biops*[tiab]  | 339,286 |
|        | #8 Search #5 and #6 and #7  | 1,440   |
|        | #9 Search #5 and #6 and #7 Filters: MEDLINE   | 1,295   |
|        | #10 Search #8 not #9  | 145     |
|        | #11 Search #4 or #10  | 1,646   |
|        | #12 Search second biops*[tiab] OR "initial negative"[tiab] OR rebiops*[tiab] OR re-biops*[tiab] OR repeat biops*[tiab] OR "Prostatic Neoplasms/surgery"[mh] OR Prostatectomy[mh] OR prostatectomy[ti] OR radiotherapy[ti] | 85,923  |
|        | #13 Search #11 not #12  | 1,140   |
|        | #14 Search #13 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese   | 633     |

| データベース | 医中誌   |         |
|--------|---|---------|
| 検索実行日  | 2017/3/30   |         |
| 文献検索式  | #1 (前立腺腫瘍/TH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断, 病理学)  | 15,435  |
|        | #2 (生検/TH or 生検/AL)   | 192,165 |
|        | #3 前立腺特異抗原/MTH or 直腸診/MTH or 遊離PSA/AL or "free PSA"/AL or fPSA/AL or "PSA density"/AL or PSA密度/AL | 2,227   |
|        | #4 #1 and #2 and #3   | 468     |
|        | #5 (前立腺腫瘍/TH) and (SH=治療, 薬物療法, 外科的療法, 食事療法, 精神療法, 放射線療法)   | 22,517  |
|        | #6 再生検/AL   | 629     |
|        | #7 #5 or #6   | 23,088  |
|        | #8 #4 not #7  | 344     |
|        | #9 (#8) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト)   | 236     |

・ CQ24 MRI 標的生検は有用か？

| データベース | PubMed  |         |
|--------|---|---------|
| 検索実行日  | 2017/4/12   |         |
| 文献検索式  | #1 Search "Prostatic Neoplasms/pathology"[mh] OR "Prostatic Neoplasms/diagnosis"[mh]      | 57,457  |
|        | #2 Search "Image-Guided Biopsy"[Mesh]   | 2,840   |
|        | #3 Search "Magnetic Resonance Imaging"[mh]  | 363,499 |
|        | #4 Search #1 and #2 and #3  | 218     |
|        | #5 Search prostate[ti]  | 94,657  |
|        | #6 Search biops*[ti]  | 58,438  |
|        | #7 Search "magnetic resonance imaging"[ti] OR MRI[ti]                                     | 87,156  |
|        | #8 Search #5 and #6 and #7  | 457     |
|        | #9 Search #5 and #6 and #7 Filters: MEDLINE   | 319     |
|        | #10 Search #8 not #9  | 138     |
|        | #11 Search #4 or #10  | 356     |
|        | #12 Search #11 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese | 320     |

| データベース | 医中誌  |        |
|--------|--|--------|
| 検索実行日  | 2017/4/12  |        |
| 文献検索式  | #1 (前立腺腫瘍/TH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断, 病理学) | 15,454 |
|        | #2 生検/MTH  | 20,847 |
|        | #3 MRI/MTH   | 44,347 |
|        | #4 #1 and #2 and #3  | 238    |
|        | #5 (#4) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト)        | 238    |

・ CQ25 前立腺生検陰性後に推奨されるフォローアップ法は？

|        |           |  |         |
|--------|-----------|--|---------|
| データベース | PubMed    |  |         |
| 検索実行日  | 2017/4/13 |  |         |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/pathology"[mh] OR "Prostatic Neoplasms/diagnosis"[mh]  | 57,457  |
|        | #2        | Search "Biopsy"[mh]  | 250,142 |
|        | #3        | Search negative biops*[tiab] OR negative prostate biops*[tiab] OR biopsy-naive[tiab]   | 1,755   |
|        | #4        | Search "Prostate-Specific Antigen"[mh] OR "Magnetic Resonance Imaging"[mh] OR "Epigenesis, Genetic"[mh] OR second biops*[tiab] OR rebiops*[tiab] OR re-biops*[tiab] OR repeat biops*[tiab] OR repeat prostate biops*[tiab] OR "PSA velocity"[tiab] OR "PSA doubling"[tiab] | 478,825 |
|        | #5        | Search #1 and #2 and #3 and #4   | 445     |
|        | #6        | Search prostate[ti]  | 94,675  |
|        | #7        | Search biops*[ti]  | 58,441  |
|        | #8        | Search negative[ti] OR naive[ti]   | 78,320  |
|        | #9        | Search #6 and #7 and #8  | 245     |
|        | #10       | Search #6 and #7 and #8 Filters: MEDLINE   | 196     |
|        | #11       | Search #9 not #10  | 49      |
|        | #12       | Search #5 or #11   | 494     |
|        | #13       | Search #12 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese  | 319     |

|        |           |   |         |
|--------|-----------|---|---------|
| データベース | 医中誌       |   |         |
| 検索実行日  | 2017/4/13 |   |         |
| 文献検索式  | #1        | (前立腺腫瘍/TH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断, 病理学)                             | 15,454  |
|        | #2        | (生検/TH or 生検/AL)  | 192,453 |
|        | #3        | 前立腺特異抗原/TH or MRI/TH or エピジェネティックプロセス/TH or "PSA velocity"/AL or PSA倍加/AL or 再生検/AL | 224,616 |
|        | #4        | 生検陰性/AL or 陰性生検/AL or "negative biopsy"/AL or (生検/TH and 陰性/TH)                     | 489     |
|        | #5        | #1 and #2 and #3 and #4   | 103     |
|        | #6        | (#5) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト)                                    | 55      |

・ CQ26 再生検の適応と推奨される方法は？

| データベース | PubMed   |         |
|--------|--|---------|
| 検索実行日  | 2017/3/30  |         |
| 文献検索式  | #1 Search "Prostatic Neoplasms/pathology"[mh] OR "Prostatic Neoplasms/diagnosis"[mh]   | 57,313  |
|        | #2 Search "Biopsy"[mh]   | 249,718 |
|        | #3 Search "Prostate-Specific Antigen"[mh] OR "Magnetic Resonance Imaging"[mh] OR second biops*[tiab] OR rebiops*[tiab] OR re-biops*[tiab] OR repeat biops*[tiab] OR "PSA velocity"[tiab] OR "PSA doubling"[tiab] | 386,702 |
|        | #4 Search negative biops*[tiab] OR biopsy-naive[tiab]  | 1,609   |
|        | #5 Search #1 and #2 and #3 and #4  | 384     |
|        | #6 Search prostate[ti]   | 94,389  |
|        | #7 Search biops*[ti]   | 58,348  |
|        | #8 Search negative[ti] OR naive[ti]  | 78,098  |
|        | #9 Search #6 and #7 and #8   | 242     |
|        | #10 Search #6 and #7 and #8 Filters: MEDLINE   | 196     |
|        | #11 Search #9 not #10  | 46      |
|        | #12 Search #5 or #11   | 430     |
|        | #13 Search #12 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese  | 279     |

| データベース | 医中誌  |         |
|--------|--|---------|
| 検索実行日  | 2017/3/30  |         |
| 文献検索式  | #1 (前立腺腫瘍/TH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断, 病理学)         | 15,435  |
|        | #2 (生検/TH or 生検/AL)  | 192,165 |
|        | #3 前立腺特異抗原/TH or MRI/TH or "PSA velocity"/AL or PSA倍加/AL or 再生検/AL | 215,153 |
|        | #4 生検陰性/AL or 陰性生検/AL or "negative biopsy"/AL or (生検/TH and 陰性/TH) | 487     |
|        | #5 #1 and #2 and #3 and #4   | 103     |
|        | #6 (#5) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト)                | 55      |

・ CQ27 前立腺生検の合併症とその対策は？

| データベース | PubMed  |         |
|--------|---|---------|
| 検索実行日  | 2017/4/12   |         |
| 文献検索式  | #1 Search "Prostatic Neoplasms/pathology"[mh] OR "Prostatic Neoplasms/diagnosis"[mh]                              | 57,457  |
|        | #2 Search "Biopsy/adverse effects"[mh] OR "Biopsy/trends"[mh] OR "Biopsy/contraindications"[mh]                   | 9,744   |
|        | #3 Search #1 and #2   | 458     |
|        | #4 Search prostate[ti]  | 94,657  |
|        | #5 Search biops*[ti]  | 58,438  |
|        | #6 Search infect*[ti] OR sepsis[ti] OR septi*[ti] OR complication*[ti] OR transperineal[ti] OR trans-perineal[ti] | 675,696 |
|        | #7 Search #4 and #5 and #6  | 506     |
|        | #8 Search #4 and #5 and #6 Filters: MEDLINE   | 391     |
|        | #9 Search #7 not #8   | 115     |
|        | #10 Search #3 or #9   | 573     |
|        | #11 Search #10 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese                         | 328     |

| データベース | 医中誌   |        |
|--------|---|--------|
| 検索実行日  | 2017/4/12   |        |
| 文献検索式  | #1 (前立腺腫瘍/MTH) and (SH=診断, 病理学)                     | 8,970  |
|        | #2 生検/MTH   | 20,847 |
|        | #3 (経会陰/TH or 会陰/MTH) or ("禁忌(診断)"/TH or 禁忌/TH)     | 4,288  |
|        | #4 #2 and #3  | 303    |
|        | #5 (生検/MTH) and (SH=有害作用)                           | 1,647  |
|        | #6 #4 or #5   | 1,845  |
|        | #7 #1 and #6  | 314    |
|        | #8 (#7) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト) | 289    |

●分野8 検診発見癌に対する各種治療の適応と合併症

- ・CQ28 前立腺癌診断後の監視療法のアウトカムは即時根治療法と比較し、転移癌進展リスク・死亡リスクは上がるのか？
- ・CQ29 症状が出現するまで治療を行わない待機療法は即時根治療法と比較し、転移癌進展リスク・死亡リスクは上がるのか？

|        |           |  |
|--------|-----------|--|
| データベース | PubMed    |  |
| 検索実行日  | 2017/4/14 |  |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/therapy"[mh] 54,802  |
|        | #2        | Search "Prostatic Neoplasms/mortality"[mh] OR "Disease Progression"[mh] OR "Neoplasm Metastasis"[mh] OR "Neoplasm Staging"[mh] 425,520 |
|        | #3        | Search "Watchful Waiting"[mh] OR "active surveillance"[tiab] OR "watchful waiting"[tiab] 8,588   |
|        | #4        | Search #1 and #2 and #3 615  |
|        | #5        | Search prostate[ti] 94,675   |
|        | #6        | Search "active surveillance"[ti] OR "watchful waiting"[ti] OR observation[ti] 32,992   |
|        | #7        | Search localized[ti] OR early[ti] OR low-risk[ti] 278,123  |
|        | #8        | Search #5 and #6 and #7 357  |
|        | #9        | Search #5 and #6 and #7 Filters: MEDLINE 273   |
|        | #10       | Search #8 not #9 84  |
|        | #11       | Search #4 or #10 699   |
|        | #12       | Search #11 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese 550  |

|        |           |  |
|--------|-----------|--|
| データベース | 医中誌       |  |
| 検索実行日  | 2017/4/14 |  |
| 文献検索式  | #1        | (前立腺腫瘍/TH) and (SH=治療,薬物療法,外科的療法,放射線療法) 22,534   |
|        | #2        | 待機療法/TH or 監視療法/AL or 待機療法/AL or "active surveillance"/AL or "watchful waiting"/AL 1,847 |
|        | #3        | #1 and #2 239  |
|        | #4        | (#3) and (DT=2006:2017 and LA=日本語,英語 and CK=ヒト) 214                                      |

- ・CQ30 監視療法・待機療法実施によるQOL 障害にはどのようなものがあるのか？

|        |           |   |
|--------|-----------|---|
| データベース | PubMed    |   |
| 検索実行日  | 2017/4/17 |   |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/therapy"[mh] 54,816   |
|        | #2        | Search "Watchful Waiting"[mh] OR "active surveillance"[tiab] OR "watchful waiting"[tiab] 8,597  |
|        | #3        | Search "Quality of Life"[mh] OR "quality of life"[tiab] OR QOL[tiab] OR questionnaire*[tiab] OR "Disease Progression"[mh] OR psychology[sh] 1,431,972 |
|        | #4        | Search #1 and #2 and #3 474   |
|        | #5        | Search prostate[ti] 94,726  |
|        | #6        | Search "active surveillance"[ti] OR "watchful waiting"[ti] OR observation[ti] 33,004  |
|        | #7        | Search "quality of life"[tiab] OR QOL[tiab] OR progression[ti] OR psycholog*[ti] 301,466  |
|        | #8        | Search #5 and #6 and #7 136   |
|        | #9        | Search #5 and #6 and #7 Filters: MEDLINE 113  |
|        | #10       | Search #8 not #9 23   |
|        | #11       | Search #4 or #10 497  |
|        | #12       | Search #11 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese 367   |

|        |           |   |
|--------|-----------|---|
| データベース | 医中誌       |   |
| 検索実行日  | 2017/4/17 |   |
| 文献検索式  | #1        | (前立腺腫瘍/TH) and (SH=治療,薬物療法,外科的療法,放射線療法) 22,581  |
|        | #2        | 待機療法/TH or 監視療法/AL or 待機療法/AL or "active surveillance"/AL or "watchful waiting"/AL 1,854  |
|        | #3        | 生活の質/TH or "Quality of Life"/AL or QOL/AL or 病勢悪化/TH or 心理/AL or 不安/AL or ストレス/AL 416,334 |
|        | #4        | #1 and #2 and #3 43   |
|        | #5        | (#4) and (DT=2006:2017 and LA=日本語,英語 and CK=ヒト) 33  |

・ **CQ31** 手術療法・放射線療法実施により過剰治療になる可能性が高い症例の特徴は？

|        |           |  |           |
|--------|-----------|--|-----------|
| データベース | PubMed    |  |           |
| 検索実行日  | 2017/4/17 |  |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/therapy"[mh]   | 54,816    |
|        | #2        | Search "Watchful Waiting"[mh] OR "active surveillance"[tiab] OR "watchful waiting"[tiab]                               | 8,597     |
|        | #3        | Search "Follow-Up Studies"[mh] OR "Retrospective Studies"[mh]  | 1,079,807 |
|        | #4        | Search #1 and #2 and #3  | 295       |
|        | #5        | Search "overtreatment"[tiab]   | 3,069     |
|        | #6        | Search #1 and #5   | 237       |
|        | #7        | Search #4 or #6  | 515       |
|        | #8        | Search prostate[ti]  | 94,726    |
|        | #9        | Search localized[ti] OR early[ti] OR low-risk[ti]  | 278,245   |
|        | #10       | Search "active surveillance"[ti] OR "watchful waiting"[ti] OR observation[ti] OR monitoring[ti] OR overtreatment[tiab] | 125,465   |
|        | #11       | Search #8 and #9 and #10   | 442       |
|        | #12       | Search #8 and #9 and #10 Filters: MEDLINE  | 342       |
|        | #13       | Search #11 not #12   | 100       |
|        | #14       | Search #7 or #13   | 615       |
|        | #15       | Search #14 Filters: Publication date from 2006/01/01 to 2017/02/08; English; Japanese                                  | 475       |

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| データベース | 医中誌       |  |        |
| 検索実行日  | 2017/4/17 |  |        |
| 文献検索式  | #1        | (前立腺腫瘍/TH) and (SH=治療, 薬物療法, 外科的療法, 放射線療法)   | 22,581 |
|        | #2        | 待機療法/TH or 監視療法/AL or 待機療法/AL or "active surveillance"/AL or "watchful waiting"/AL | 1,854  |
|        | #3        | 追跡研究/TH or 後向き研究/TH  | 81,442 |
|        | #4        | #1 and #2 and #3   | 13     |
|        | #5        | 過剰治療/AL or overtreatment/AL  | 148    |
|        | #6        | #1 and #5  | 20     |
|        | #7        | #4 or #6   | 33     |
|        | #8        | (#7) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト)                                   | 32     |

・ **CQ32** 手術療法実施による合併症・QOL 障害にはどのようなものがあるのか？

|        |           |   |           |
|--------|-----------|---|-----------|
| データベース | PubMed    |   |           |
| 検索実行日  | 2017/4/17 |   |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/surgery"[Majr]  | 7,990     |
|        | #2        | Search "Prostatectomy/adverse effects"[Majr]  | 3,164     |
|        | #3        | Search etiology[sh]   | 7,788,839 |
|        | #4        | Search #1 and #2 and #3   | 514       |
|        | #5        | Search prostatectomy[ti]  | 13,604    |
|        | #6        | Search "adverse effects"[ti] OR "side effects"[ti] OR complications[ti] OR "Erectile dysfunction"[ti] OR incontinence[ti] | 129,168   |
|        | #7        | Search #5 and #6  | 929       |
|        | #8        | Search #5 and #6 Filters: MEDLINE   | 805       |
|        | #9        | Search #7 not #8  | 124       |
|        | #10       | Search #4 or #9   | 638       |
|        | #11       | Search #10 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese                                     | 426       |

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| データベース | 医中誌       |  |        |
| 検索実行日  | 2017/4/17 |  |        |
| 文献検索式  | #1        | (前立腺腫瘍/MTH) and (SH=外科的療法)                       | 5,804  |
|        | #2        | (前立腺切除/MTH) and (SH=有害作用)                        | 2,094  |
|        | #3        | (勃起障害/MTH) and (SH=病因)                           | 638    |
|        | #4        | (泌尿器疾患/MTH) and (SH=病因)                          | 31,962 |
|        | #5        | (術後合併症/MTH) and (SH=病因)                          | 14,867 |
|        | #6        | #3 or #4 or #5                                   | 47,204 |
|        | #7        | #1 and #2 and #6                                 | 128    |
|        | #8        | (#7) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト) | 128    |

・ CQ33 放射線療法実施によるQOL 障害・合併症にはどのようなものがあるのか？

|        |           |   |           |
|--------|-----------|---|-----------|
| データベース | PubMed    |   |           |
| 検索実行日  | 2017/4/20 |   |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/radiotherapy"[Majr]   | 9,664     |
|        | #2        | Search "Radiotherapy/adverse effects"[Mesh]   | 32,212    |
|        | #3        | Search etiology[sh] OR "radiation effects"[sh] OR toxic*[ti] OR complications[ti]   | 8,048,808 |
|        | #4        | Search #1 and #2 and #3   | 1,551     |
|        | #5        | Search "Neoplasm Recurrence, Local"[mh] OR "Neoplasm Metastasis"[mh] OR recurren*[tiab] OR relaps*[tiab] OR metasta*[tiab] OR post-prostatectomy[tiab] OR postprostatectomy[tiab] OR post-operative[tiab] OR postoperative[tiab] OR "Postoperative Complications"[mh] | 1,654,767 |
|        | #6        | Search #4 not #5  | 1,193     |
|        | #7        | Search prostate[ti]   | 94,788    |
|        | #8        | Search radiation[ti] OR radiotherapy[ti] OR brachytherapy[ti]   | 168,055   |
|        | #9        | Search toxic*[ti] OR complications[ti] OR adverse[ti] OR androgen[ti] OR "quality of life"[ti]  | 316,176   |
|        | #10       | Search #7 and #8 and #9   | 1,222     |
|        | #11       | Search recurren*[tiab] OR relaps*[tiab] OR metasta*[tiab] OR post-prostatectomy[tiab] OR postprostatectomy[tiab] OR post-operative[tiab] OR postoperative[tiab]   | 1,270,332 |
|        | #12       | Search #10 not #11  | 902       |
|        | #13       | Search #10 not #11 Filters: MEDLINE   | 767       |
|        | #14       | Search #12 not #13  | 135       |
|        | #15       | Search #6 or #14  | 1,328     |
|        | #16       | Search #15 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese   | 824       |

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| データベース | 医中誌       |  |           |
| 検索実行日  | 2017/4/20 |  |           |
| 文献検索式  | #1        | (前立腺腫瘍/MTH) and (SH=放射線療法)                       | 4,620     |
|        | #2        | (放射線療法/MTH) and (SH=有害作用)                        | 8,107     |
|        | #3        | SH=病因  | 753,139   |
|        | #4        | SH=毒性・副作用  | 314,750   |
|        | #5        | #3 or #4   | 1,025,969 |
|        | #6        | #1 and #2 and #5                                 | 716       |
|        | #7        | (再発/TH or 再発/AL) or (腫瘍転移/TH or 転移/AL)           | 402,939   |
|        | #8        | (術後期/TH or 術後/AL) or (術後合併症/TH or 術後合併症/AL)      | 567,436   |
|        | #9        | #7 or #8   | 886,965   |
|        | #10       | #6 not #9  | 544       |
|        | #11       | (#10) and (DT=2006:2017 and LA=日本語,英語 and CK=ヒト) | 513       |

・ CQ34 ホルモン療法実施により過剰治療になる可能性が高い症例の特徴は？

| データベース | PubMed   |         |
|--------|--|---------|
| 検索実行日  | 2017/4/20  |         |
| 文献検索式  | #1 Search "Prostatic Neoplasms/drug therapy"[Majr] OR "Prostatic Neoplasms/therapy"[Majr:NoExp]  | 19,621  |
|        | #2 Search "Androgen Antagonists/therapeutic use"[Majr] OR "Antineoplastic Agents, Hormonal/therapeutic use"[Majr]  | 10,716  |
|        | #3 Search "primary androgen"[tiab] OR primary hormon*[tiab] OR "primary ADT"[tiab] OR "primary therapy"[tiab] OR "primary treatment"[tiab] OR overtreatment[tiab] OR localized[ti] OR early[ti] OR low-risk[ti] OR intermediate-risk[ti] | 296,576 |
|        | #4 Search #1 and #2 and #3   | 420     |
|        | #5 Search "Guideline Adherence"[mh] AND (hormon*[tiab] OR androgen[tiab])  | 171     |
|        | #6 Search #1 and #5  | 18      |
|        | #7 Search prostate[ti]   | 94,788  |
|        | #8 Search androgen[ti] OR ADT[ti] OR hormon*[ti]   | 201,520 |
|        | #9 Search primary[ti] OR localized[ti] OR early[ti] OR low-risk[ti] OR intermediate-risk[ti]   | 539,970 |
|        | #10 Search #7 and #8 and #9  | 540     |
|        | #11 Search #7 and #8 and #9 Filters: MEDLINE   | 468     |
|        | #12 Search #10 not #11   | 72      |
|        | #13 Search #4 or #6 or #12   | 510     |
|        | #14 Search #13 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese  | 326     |

| データベース | 医中誌   |         |
|--------|---|---------|
| 検索実行日  | 2017/4/20   |         |
| 文献検索式  | #1 (前立腺腫瘍/MTH) and (SH=治療,薬物療法)                             | 7,626   |
|        | #2 "Androgen Antagonists"/MTH or ホルモン性抗腫瘍剤/MTH              | 13,469  |
|        | #3 限局性/AL or 低リスク/AL or 中間リスク/AL or 初期/AL or 初回/AL or 過剰/AL | 165,891 |
|        | #4 #1 and #2 and #3   | 199     |
|        | #5 (#4) and (DT=2006:2017 LA=日本語,英語 CK=ヒト)                  | 186     |

・ CQ35 ホルモン療法実施によるQOL 障害・合併症にはどのようなものがあるのか？

| データベース | PubMed  |           |
|--------|---|-----------|
| 検索実行日  | 2017/4/20   |           |
| 文献検索式  | #1 Search "Prostatic Neoplasms/drug therapy"[Majr] OR "Prostatic Neoplasms/therapy"[Majr:NoExp]   | 19,621    |
|        | #2 Search "Androgen Antagonists/adverse effects"[mh] OR "Antineoplastic Agents, Hormonal/adverse effects"[mh]   | 4,307     |
|        | #3 Search etiology[sh:NoExp] OR "chemically induced"[sh]  | 2,725,800 |
|        | #4 Search #1 and #2 and #3  | 618       |
|        | #5 Search prostate[ti]  | 94,788    |
|        | #6 Search androgen[ti] OR ADT[ti] OR hormon*[ti]  | 201,520   |
|        | #7 Search adverse[tiab] OR comorbidit*[tiab] OR complication*[tiab] OR cardiovascular[ti] OR cogniti*[ti] OR diabet*[ti] OR obesity[ti] OR dysfunction[ti] OR osteoporos*[ti] OR exercise[ti] | 1,842,098 |
|        | #8 Search #5 and #6 and #7  | 969       |
|        | #9 Search #5 and #6 and #7 Filters: MEDLINE   | 812       |
|        | #10 Search #8 not #9  | 157       |
|        | #11 Search #4 or #10  | 775       |
|        | #12 Search #11 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese   | 525       |

| データベース | 医中誌   |         |
|--------|---|---------|
| 検索実行日  | 2017/4/20                                       |         |
| 文献検索式  | #1 (前立腺腫瘍/MTH) and (SH=治療,薬物療法)                 | 7,626   |
|        | #2 ("Androgen Antagonists"/MTH) and (SH=毒性・副作用) | 466     |
|        | #3 (ホルモン性抗腫瘍剤/MTH) and (SH=毒性・副作用)              | 3,047   |
|        | #4 #2 or #3                                     | 3,428   |
|        | #5 SH=病因  | 753,139 |
|        | #6 SH=化学的誘発                                     | 185,163 |
|        | #7 #5 or #6                                     | 921,359 |
|        | #8 #1 and #4 and #7                             | 327     |
|        | #9 (#8) and (DT=2006:2017 LA=日本語,英語 CK=ヒト)      | 312     |

●分野9 検診の利益・不利益とQOLへの影響

- ・ CQ36 検診を受診（実施）することの利益・不利益と改善策は？
- ・ CQ37 検診を受診（実施）しないことの利益・不利益と改善策は？

|        |           |  |           |
|--------|-----------|--|-----------|
| データベース | PubMed    |  |           |
| 検索実行日  | 2017/4/21 |  |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/diagnosis"[Majr:NoExp] OR "Prostatic Neoplasms/pathology"[Majr]                                    | 29,035    |
|        | #2        | Search "Mass Screening"[Majr] OR screening[ti] OR "Early Detection of Cancer"[Majr] OR "early detection"[ti]                   | 161,382   |
|        | #3        | Search efficacy[tiab] OR effectiveness[tiab] OR benefit*[tiab] OR harm[tiab] OR harms[tiab] OR drawback*[tiab] OR reduc*[tiab] | 3,761,908 |
|        | #4        | Search #1 and #2 and #3  | 762       |
|        | #5        | Search "prostate cancer"[ti]   | 58,915    |
|        | #6        | Search screening[ti]   | 127,596   |
|        | #7        | Search #5 and #6 and #3  | 728       |
|        | #8        | Search #5 and #6 and #3 Filters: MEDLINE   | 631       |
|        | #9        | Search #7 not #8   | 97        |
|        | #10       | Search #4 or #9  | 859       |
|        | #11       | Search #10 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese  | 546       |

|        |           |   |           |
|--------|-----------|---|-----------|
| データベース | 医中誌       |   |           |
| 検索実行日  | 2017/4/21 |   |           |
| 文献検索式  | #1        | (前立腺腫瘍/MTH) and (SH=診断, 画像診断, X線診断, 放射性核種診断, 超音波診断) | 7,294     |
|        | #2        | 集団検診/MTH or 検診/II or スクリーニング/II                     | 89,730    |
|        | #3        | 利益/AL or 害/AL or 効果/AL or 評価/AL or 有効/AL            | 2,450,968 |
|        | #4        | #1 and #2 and #3                                    | 224       |
|        | #5        | (#4) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト)    | 179       |



- ・ CQ38 検診受診（実施）による心理的負担・QOL 障害の可能性と対策は？
- ・ CQ39 検診未受診（未実施）による心理的負担・QOL 障害の可能性と対策は？

|        |           |   |           |
|--------|-----------|---|-----------|
| データベース | PubMed    |   |           |
| 検索実行日  | 2017/4/24 |   |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms"[Majr]  | 92,446    |
|        | #2        | Search "Mass Screening"[mh] OR "Biopsy"[mh] OR "Watchful Waiting"[mh]   | 356,903   |
|        | #3        | Search "Surveys and Questionnaires"[mh:NoExp] OR "Patient Reported Outcome Measures"[mh] OR psychology[sh] OR "Stress, Psychological"[Majr] | 1,121,826 |
|        | #4        | Search #1 and #2 and #3   | 519       |
|        | #5        | Search prostate[ti]   | 94,855    |
|        | #6        | Search psycholog*[ti] OR anxi*[ti] OR depression[ti] OR "patient-reported"[ti] OR "quality of life"[ti]                                     | 229,174   |
|        | #7        | Search screening[tiab] OR biops*[tiab] OR "active monitoring"[tiab] OR "active surveillance"[tiab] OR PSA-testing*[tiab]                    | 749,824   |
|        | #8        | Search #5 and #6 and #7   | 154       |
|        | #9        | Search #5 and #6 and #7 Filters: MEDLINE  | 128       |
|        | #10       | Search #8 not #9  | 26        |
|        | #11       | Search #4 or #10  | 545       |
|        | #12       | Search #11 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese   | 340       |

|        |           |  |         |
|--------|-----------|--|---------|
| データベース | 医中誌       |  |         |
| 検索実行日  | 2017/4/24 |  |         |
| 文献検索式  | #1        | 前立腺腫瘍/MTH                                | 26,521  |
|        | #2        | (集団検診/TH or 検診/AL)                       | 113,464 |
|        | #3        | (生検/TH or 生検/AL)                         | 192,653 |
|        | #4        | (待機療法/TH or 監視療法/AL)                     | 1,620   |
|        | #5        | #2 or #3 or #4                           | 301,364 |
|        | #6        | (不安/TH or 不安/AL)                         | 87,107  |
|        | #7        | 抑うつ/TH or 抑うつ/AL or 抑鬱/AL                | 26,947  |
|        | #8        | 心理/AL                                    | 187,552 |
|        | #9        | 自己報告式質問調査/TH or 患者報告アウトカムの判定/TH          | 17,637  |
|        | #10       | #6 or #7 or #8 or #9                     | 284,706 |
|        | #11       | #1 and #5 and #10                        | 32      |
|        | #12       | (#11) and (DT=2006:2017 LA=日本語,英語 CK=ヒト) | 29      |

・ CQ40 検診受診（実施）により質調整生存年（QALY）延長効果は期待できるのか？

|        |           |   |         |
|--------|-----------|---|---------|
| データベース | PubMed    |   |         |
| 検索実行日  | 2017/4/25 |   |         |
| 文献検索式  | #1        | Search "Prostatic Neoplasms"[Majr]  | 92,446  |
|        | #2        | Search "Quality-Adjusted Life Years"[mh] OR Quality-Adjusted Life Year*[tiab] OR QALY*[tiab] OR "Quality Indicators, Health Care"[mh:NoExp] | 26,627  |
|        | #3        | Search #1 and #2  | 213     |
|        | #4        | Search EQ-5D[tiab] OR EuroQol[tiab]   | 6,608   |
|        | #5        | Search "Visual Analog Scale"[mh] OR "visual analogue scale"[tiab] OR "visual analog scale"[tiab]  | 35,918  |
|        | #6        | Search "Health Related Quality of Life"[tiab] OR HRQOL[tiab] OR "health related QOL"[tiab]  | 32,898  |
|        | #7        | Search #4 or #5 or #6   | 70,914  |
|        | #8        | Search "Quality of Life"[Majr]  | 66,708  |
|        | #9        | Search #1 and #7 and #8   | 454     |
|        | #10       | Search prostate[ti]   | 94,855  |
|        | #11       | Search "quality of life"[ti] OR quality-adjusted life year*[ti] OR QOL[ti] OR QALY*[ti] OR "patient reported"[ti]                           | 57,525  |
|        | #12       | Search screening[ti] OR test*[ti] OR palliative[ti] OR metasta*[ti]   | 645,834 |
|        | #13       | Search #10 and #11 and #12  | 94      |
|        | #14       | Search #10 and #11 and #12 Filters: MEDLINE   | 70      |
|        | #15       | Search #13 not #14  | 24      |
|        | #16       | Search #3 or #9 or #15  | 685     |
|        | #17       | Search #16 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese   | 488     |

|        |           |  |        |
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| データベース | 医中誌       |  |        |
| 検索実行日  | 2017/4/25 |  |        |
| 文献検索式  | #1        | 前立腺腫瘍/TH   | 43,388 |
|        | #2        | @健康状態指標/TH   | 4,574  |
|        | #3        | 質調整生存年/TH or 質調整生存年/AL or "Quality-Adjusted Life Years"/AL or QALY/AL  | 350    |
|        | #4        | QOL効用値/AL or 健康関連QOL/AL or EQ-5D/AL or EuroQol/AL  | 2,328  |
|        | #5        | ("視覚アナログ尺度"/TH or "visual analogue scale"/AL)  | 10,313 |
|        | #6        | "Medical Outcome Study 36-Item Short-Form Health Survey"/TH or "Medical Outcome Study 36-Item Short-Form Health Survey"/AL or SF-36/AL | 4,036  |
|        | #7        | #2 or #3 or #4 or #5 or #6   | 19,067 |
|        | #8        | #1 and #7  | 195    |
|        | #9        | (#8) and (DT=2006:2017 LA=日本語, 英語 CK=ヒト)   | 146    |

●分野10 検診効率・経済的評価

・CQ41 前立腺がん検診の検診効率はほかのがん検診と比較し妥当なレベルか？

|        |           |  |           |
|--------|-----------|--|-----------|
| データベース | PubMed    |  |           |
| 検索実行日  | 2017/4/27 |  |           |
| 文献検索式  | #1        | Search "Neoplasms/diagnosis"[mh:NoExp]   | 27,749    |
|        | #2        | Search "Prostatic Neoplasms/diagnosis"[mh]   | 21,017    |
|        | #3        | Search "Breast Neoplasms/diagnosis"[mh] OR "Colorectal Neoplasms/diagnosis"[mh] OR "Lung Neoplasms/diagnosis"[mh] OR "Uterine Cervical Neoplasms/diagnosis"[mh] OR "Stomach Neoplasms/diagnosis"[mh] | 145,024   |
|        | #4        | Search #2 and #3   | 1,144     |
|        | #5        | Search #1 or #4  | 28,671    |
|        | #6        | Search "Mass Screening"[mh]  | 110,920   |
|        | #7        | Search effectiveness[tiab] OR diagnostic-accuracy[tiab] OR harms[tiab] OR benefit*[tiab] OR (mortality[tiab] AND reduct*[tiab]) OR "quality of life"[tiab] OR life-year*[tiab]                       | 1,062,839 |
|        | #8        | Search #5 and #6 and #7  | 237       |
|        | #9        | Search #8 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese   | 111       |

|        |           |  |         |
|--------|-----------|--|---------|
| データベース | 医中誌       |  |         |
| 検索実行日  | 2017/4/27 |  |         |
| 文献検索式  | #1        | (胃腫瘍/TH) and (SH=診断)   | 19,741  |
|        | #2        | (乳房腫瘍/TH) and (SH=診断)  | 12,912  |
|        | #3        | (大腸腫瘍/TH) and (SH=診断)  | 20,103  |
|        | #4        | (肺腫瘍/TH) and (SH=診断)   | 14,415  |
|        | #5        | (子宮頸部腫瘍/TH) and (SH=診断)  | 2,996   |
|        | #6        | #1 or #2 or #3 or #4 or #5   | 68,043  |
|        | #7        | (前立腺腫瘍/TH) and (SH=診断)   | 7,590   |
|        | #8        | #6 and #7  | 232     |
|        | #9        | (@腫瘍/TH) and (SH=診断)   | 7,092   |
|        | #10       | #8 or #9   | 7,274   |
|        | #11       | 集団検診/MTH   | 23,111  |
|        | #12       | 効率/TA or 評価/TA or 精度/AL or ("生活の質"/TH or "quality of life"/AL) or (死亡率/TH or 死亡率/AL) | 619,432 |
|        | #13       | #10 and #11 and #12  | 145     |
|        | #14       | (#13) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト)                                    | 128     |

・ CQ42 検診導入を契機に発見される前立腺癌の診断・治療効率は妥当なレベルか？

|        |           |  |           |
|--------|-----------|--|-----------|
| データベース | PubMed    |  |           |
| 検索実行日  | 2017/4/26 |  |           |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/diagnosis"[mh]   | 21,001    |
|        | #2        | Search "Mass Screening"[mh] OR screening[tiab]   | 457,780   |
|        | #3        | Search "Early Detection of Cancer"[mh]   | 15,190    |
|        | #4        | Search screen-detected[tiab] OR screening-detected[tiab] OR PSA-detected[tiab] OR early detected[tiab] | 2,380     |
|        | #5        | Search #2 or #3 or #4  | 463,344   |
|        | #6        | Search "Medical Overuse"[mh]   | 5,015     |
|        | #7        | Search "False Positive Reactions"[mh]  | 25,940    |
|        | #8        | Search #6 or #7  | 30,820    |
|        | #9        | Search #1 and #5 and #8  | 163       |
|        | #10       | Search prostate[ti]  | 94,876    |
|        | #11       | Search outcome*[ti] OR result*[ti] OR cost*[ti] OR over*[ti] OR detect*[ti]                            | 1,034,669 |
|        | #12       | Search screen*[ti] OR test[ti] OR tests[ti] OR testing[ti]   | 422,217   |
|        | #13       | Search #10 and #11 and #12   | 575       |
|        | #14       | Search #10 and #11 and #12 Filters: MEDLINE  | 514       |
|        | #15       | Search #13 not #14   | 61        |
|        | #16       | Search #9 or #15   | 224       |
|        | #17       | Search #16 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese                  | 171       |

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| データベース | 医中誌       |  |         |
| 検索実行日  | 2017/4/26 |  |         |
| 文献検索式  | #1        | 前立腺腫瘍/MTH  | 26,521  |
|        | #2        | 集団検診/TH or 検診/AL or 腫瘍の早期診断/TH                   | 115,032 |
|        | #3        | 検診発見/AL or 早期発見/AL or 過剰/AL or 効率/AL or 偽陽性/AL   | 104,934 |
|        | #4        | #1 and #2 and #3                                 | 140     |
|        | #5        | (#4) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト) | 104     |

・ CQ43 前立腺がん検診の増分費用対効果比 (ICER) はどの程度か？

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| データベース | PubMed    |  |         |
| 検索実行日  | 2017/4/26 |  |         |
| 文献検索式  | #1        | Search "Prostatic Neoplasms/diagnosis"[mh] OR "Prostatic Neoplasms/economics"[mh]  | 21,507  |
|        | #2        | Search "Mass Screening"[mh] OR screening[tiab]   | 457,780 |
|        | #3        | Search "Cost-Benefit Analysis"[mh] OR "Quality-Adjusted Life Years"[mh] OR Quality-Adjusted Life Year*[tiab] OR QALY*[tiab] OR cost-effective*[tiab] | 142,786 |
|        | #4        | Search #1 and #2 and #3  | 192     |
|        | #5        | Search prostate[ti]  | 94,876  |
|        | #6        | Search screen*[ti] OR test[ti] OR tests[ti] OR testing[ti]   | 422,217 |
|        | #7        | Search cost[ti] OR costs[ti] OR quality[ti] OR economic*[ti]   | 295,235 |
|        | #8        | Search #5 and #6 and #7  | 95      |
|        | #9        | Search #5 and #6 and #7 Filters: MEDLINE   | 81      |
|        | #10       | Search #8 not #9   | 14      |
|        | #11       | Search #4 or #10   | 206     |
|        | #12       | Search #11 Filters: Publication date from 2006/01/01 to 2017/02/28; English; Japanese  | 78      |

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| データベース | 医中誌       |  |         |
| 検索実行日  | 2017/4/26 |  |         |
| 文献検索式  | #1        | 前立腺腫瘍/TH   | 43,388  |
|        | #2        | 集団検診/TH or 検診/AL or 腫瘍の早期診断/TH                                       | 115,032 |
|        | #3        | 費用便益分析/TH or 費用効果分析/TH or 費用対効果/AL or cost-effective/AL              | 5,326   |
|        | #4        | 質調整生存年/TH or 質調整生存年/AL or "Quality-Adjusted Life Year"/AL or QALY/AL | 351     |
|        | #5        | #3 or #4   | 5,429   |
|        | #6        | #1 and #2 and #5   | 36      |
|        | #7        | (#6) and (DT=2006:2017 and LA=日本語, 英語 and CK=ヒト)                     | 21      |