This Current Awareness Bulletin is produced by the Yeovil Academy Library to provide staff with a range of prostate cancer-related resources to support practice. It includes recently published guidelines and research articles.

## Systematic Reviews

### Bipolar versus monopolar transurethral resection of the prostate for lower urinary tract symptoms secondary to benign prostatic obstruction
Cameron Edwin Alexander, Malo MF Scullion, Muhammad Imran Omar, Yuhong Yuan, Charalampos Mamoulakis, James MO N'Dow, Changhao Chen, Thomas BL Lam
*Intervention Review*
3 December 2019

### Convective radiofrequency water vapour thermal therapy for lower urinary tract symptoms in men with benign prostatic hyperplasia
Tae Wook Kang, Jae Hung Jung, Eu Chang Hwang, Michael Borofsky, Myung Ha Kim, Philipp Dahm
*Intervention Review*
25 March 2020

### Green tea (Camellia sinensis) for the prevention of cancer
Tommaso Filippini, Marcella Malavolti, Francesca Borrelli, Angelo A Izzo, Susan J Fairweather-Tait, Markus Horneber, Marco Vinceti
*Intervention Review*
2 March 2020
- New search
1. PSMA-Targeting Positron Emission Agents for Imaging Solid Tumors Other Than Non-Prostate Carcinoma: A Systematic Review. (Full text) 2020 *International journal of molecular sciences* PubMed abstract

2. Cytokines expression levels from tissue, plasma or serum as promising clinical biomarkers in adenocarcinoma of the prostate: a systematic review of recent findings. (Full text) 2020 *Annals of Translational Medicine* PubMed abstract


5. Might definitive local therapy of the primary tumor improve the survival benefits of metastatic prostate cancer? - evidence from a meta-analysis. (Full text) 2020 *Annals of palliative medicine* PubMed abstract

6. No association between three polymorphisms (rs1800629, rs361525 and rs1799724) in the tumor necrosis factor-Î± gene and susceptibility to prostate cancer: a comprehensive meta-analysis. (Full text) 2020 *Hereditas* PubMed abstract

7. Large Cell Neuroendocrine Carcinoma of the Prostate: A Systematic Review and Pooled Analysis. (Abstract) 2020 *Urologia internationalis*


9. Low dose rate (LDR) brachytherapy for intermediate and high-risk prostate cancer 2020 *Medical Services Advisory Committee*

10. Darolutamide (Nubeqa) - prostate cancer 2020 *European Medicines Agency - EPARs*

11. An Endorsement of the 2018 Guideline on Hypofractionated Radiation Therapy for Localized Prostate Cancer: An ASTRO, ASCO, and AUA Evidence-Based Guideline 2020 *Cancer Care Ontario*

12. Canadian Urological Association-Canadian Urologic Oncology Group guideline on metastatic castration-naive and castration-sensitive prostate cancer 2020 *Canadian Urological Association*
Prostate cancer: Risk stratification and choice of initial treatment


The initial management plan for men with newly diagnosed prostate cancer depends upon a pretreatment assessment of the risk of locoregional recurrence or disseminated disease combined with patient age, life expectancy, overall medical condition (including performance status and comorbidities), presence or absence of symptoms, and patient preferences to make decisions for the optimal treatment for an individual patient.
Clinical presentation and diagnosis of prostate cancer

Literature review current through: May 2020. | This topic last updated: May 19, 2020.

Prostate cancer is suspected in patients who have an elevation of prostate-specific antigen (PSA) or an abnormal digital rectal examination (DRE). Although DRE is not recommended for screening, if DRE is performed, asymmetry, nodularity, or induration raise suspicion for prostate cancer.

Overview of the treatment of castration-resistant prostate cancer (CRPC)


For men with CRPC, we suggest that androgen deprivation therapy (ADT) be continued while additional systemic therapy is used (Grade 2C). For patients with advanced prostate cancer whose initial hormonal therapy included both a gonadotropin-releasing hormone (GnRH) agonist and an antiandrogen, we suggest withdrawing the antiandrogen and observing for evidence of response before initiating an alternative systemic therapy treatment (Grade 2C).

Journal Articles

Please click on the blue link (where available) to access the full text. You may need an OpenAthens username and password. To register for an OpenAthens account click here.

If you would like help obtaining any of the articles, please contact the Library.

NICE Healthcare Databases

1. An NCRI Prostate Cancer CSG Pilot Study Exploring Real-world Clinical Practice of Imaging Modalities Used in Prostate Cancer Across the UK.
   - **Author(s):** Turner; Cheng, V.; Jones, R.; Jagdev, S.
   - **Source:** Clinical Oncology; May 2020; vol. 32 (no. 5)
   - **Publication Date:** May 2020
   - **Publication Type(s):** Academic Journal
   - **Database:** CINAHL

2. Why the UK Should Consider Gene Expression Testing in Prostate Cancer.
   - **Author(s):** Dess; Spratt, D.E.
   - **Source:** Clinical Oncology; Mar 2020; vol. 32 (no. 3); p. 149-155
   - **Publication Date:** Mar 2020
   - **Publication Type(s):** Academic Journal
   - **Database:** CINAHL

Overall, we will discuss the need for improved prognostic biomarkers and why the UK and the National Institute for Health and Care Excellence guidelines should move beyond the now 20-year-old three-tier D’Amico risk classification schema to guide the management of prostate cancer in the modern era.
3. Black men and prostate cancer in the UK.  
Author(s): Alexis  
Source: British Journal of Healthcare Assistants; Jan 2020; vol. 14 (no. 1); p. 10-11  
Publication Date: Jan 2020  
Publication Type(s): Academic Journal  
Abstract: The article offers information on the prevalence of prostate cancer in black men of African and Caribbean backgrounds. Topics include recognition of such cancer as a debilitating disease and its side effects such as incontinence, impotence, bowel problems, fatigue, psychological problems; and high mortality rate among populations of African-Caribbean origin.  
Database: CINAHL

4. Patients' and partners' views of care and treatment provided for metastatic castrate-resistant prostate cancer in the UK.  
Author(s): Catt ; Matthews, Lucy; May, Shirley; Payne, Heather; Mason, Malcolm; Jenkins, Valerie  
Source: European Journal of Cancer Care; Nov 2019; vol. 28 (no. 6)  
Publication Date: Nov 2019  
Publication Type(s): Academic Journal  
Abstract: Pain and other symptom management are not optimal. Increased specialist nurse provision and earlier palliative care links are needed. Dedicated clinics may be justified.  
Database: CINAHL

Author(s): Watts, Eleanor L; Perez-Cornago, Aurora; Kothari, Jaimal; Allen, Naomi E; Travis, Ruth C; Key, Timothy J  
Source: Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology; May 2020  
Publication Date: May 2020  
Publication Type(s): Journal Article  
PubMedID: 32457180  
Abstract: These associations of blood indices of prostate cancer risk and mortality may implicate shared common causes, including testosterone, nutrition and inflammation/infection among several others in prostate cancer development and/or progression.IMPACTThese associations provide insights into prostate cancer development and progression.  
Database: Medline
6. A comparison of a moderately hypofractionated IMRT planning technique used in a randomised UK external beam radiotherapy trial with an in-house technique for localised prostate cancer.

Author(s): Gleeson, Ian

Source: Reports of practical oncology and radiotherapy : journal of Greatpoland Cancer Center in Poznan and Polish Society of Radiation Oncology; 2020; vol. 25 (no. 3); p. 360-366

Publication Date: 2020
Publication Type(s): Journal Article
PubMedID: 32256220
Database: Medline

7. Single dose high-dose rate (HDR) brachytherapy (BT) as monotherapy for localised prostate cancer: Early results of a UK national cohort study.

Author(s): Tharmalingam, Hannah; Tsang, Yatman; Ostler, Peter; Wylie, James; Bahl, Amit; Lydon, Anna; Ahmed, Imtiaz; Elwell, Christine; Nikapota, Ashok R; Hoskin, Peter J; National UK HDR Prostate Brachytherapy Database

Source: Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology; Feb 2020; vol. 143 ; p. 95-100

Publication Date: Feb 2020
Publication Type(s): Journal Article
PubMedID: 32044166

This is the largest cohort of single dose HDR brachytherapy patients treated with a single dose published to date. It shows that with 19 Gy there is 100% bRFS at 3 years in low risk patients but results in intermediate and high risk groups are less encouraging falling to 86% and 75% at 3 years with relapse predominantly in the prostate. Limited by the short follow up period of this study, the long-term outcomes of this single dose HDR approach remains uncertain. It is important to have close ongoing surveillance of this cohort as the data matures.

Database: Medline


Author(s): Kote-Jarai, Zsofia; Leongamornlert, Daniel A; Saunders, Edward J; Conti, David V; Eeles, Rosalind A

Source: European urology; Nov 2019; vol. 76 (no. 5); p. e130

Publication Date: Nov 2019
Publication Type(s): Letter
PubMedID: 31235193
Database: Medline


Author(s): Lin, Xiaoling; Helfand, Brian T; Xu, Jianfeng

Source: European urology; Nov 2019; vol. 76 (no. 5); p. e128

Publication Date: Nov 2019
Publication Type(s): Letter
PubMedID: 31248607
Database: Medline
10. Cardiovascular Safety of Abiraterone and Enzalutamide in Metastatic Prostate Cancer Patients...RCR2020, Royal College of Radiologists, 5-7 October 2020, ACC Liverpool, England.

Author(s): Haque; Maruf, S.; Mirza, S.; Pillai, A.; Viggars, A.; Ellenger, K.

Source: Clinical Oncology; May 2020; vol. 32 (no. 5)
Publication Date: May 2020
Publication Type(s): Academic Journal
Database: CINAHL


Author(s): Nossiter; Sujenthiran, Arunan; Cowling, Thomas E.; Parry, Matthew G.; Charman, Susan C.; Cathcart, Paul; Clarke, Noel W.; Payne, Heather; van der Meulen, Jan; Aggarwal, Ajay

Source: Journal of Clinical Oncology; Mar 2020; vol. 38 (no. 7); p. 744-760
Publication Date: Mar 2020
Publication Type(s): Academic Journal
PubMedID: NLM31895608
This is the first national cohort study comparing functional outcomes after H-RT and C-RT reported by patients. These real-world results further support the use of H-RT as the standard for radiation therapy in men with nonmetastatic PCa.
Database: CINAHL


Author(s): Burns; Rosbottom, Keeley; Mitchell, Joanne
Source: Radiography; Jan 2020; vol. 26
Publication Date: Jan 2020
Publication Type(s): Academic Journal
Available at Radiography - from Unpaywall
Database: CINAHL


Author(s): Binks; Holborn, Catherine
Source: Radiography; Jan 2020; vol. 26
Publication Date: Jan 2020
Publication Type(s): Academic Journal
Available at Radiography - from Unpaywall
Database: CINAHL
Library Resources

The books listed below are a selection of those that can be found at the library. To search the library catalogue in full, visit swims.nhs.uk.

Kirby, Roger S.; Patel, Manish I.

In the News

‘No demonstrable value’ of omega 3 supplements for preventing cancer
02 March, 2020
Omega 3 supplements do not protect against cancer and may “very slightly” increase the risk of some cancers, according to new research. However, the study authors said this increase in risk was “offset by a small positive effect on cardiovascular disease”.

High profile diversity champion secures first nursing director job
22 January, 2020
A nurse leader who has built respect for her role in trying to tackle NHS diversity issues has secured her first executive director position, after a steady climb up the ladder over the past three decades.

Targeted screening could prevent ‘one in six prostate cancer deaths’
23 December, 2019
Nearly one in six deaths from prostate cancer could be prevented if targeted screening was introduced for men at a higher genetic risk of the disease, according to UK researchers

This current awareness bulletin contains an inexhaustive selection of information that has not been critically appraised by library staff. It is therefore the responsibility of the reader to appraise this information for accuracy and relevance.

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