About metastatic prostate cancer

What is metastatic prostate cancer?



When cancer has spread to other parts of the body outside the prostate¹

What are the survival rates for metastatic prostate cancer patients?



Median overall survival can range from

36.6-69.0 months

How many people have metastatic prostate cancer?

Prostate cancer is the **most common** cancer in men in Europe²

~420,000

new cases in Europe per year³

~2%-43%

have metastatic prostate cancer – that's up to

180,000^{4,5,6}

What are the different types of metastatic prostate cancer?

Metastatic hormone-naïve/hormone-sensitive prostate cancer: patient has either not been previously treated with androgen deprivation therapy (ADT) or is sensitive to ADT and not castration resistant⁸

Metastatic castration-resistant

prostate cancer: disease has progressed despite treatment with ADT and castrate levels of testosterone¹⁰



High-risk metastatic prostate cancer patients have at least two of these high-risk prognostic factors:

Gleason score of greater than or equal to eight Presence of three or more bone lesions on bone scan Presence of measurable visceral metastasis (spread to other internal organs) on CT or MRI scan

How are metastatic prostate cancer patients typically treated?10

The European Association of Urology guidelines recommend for metastatic HNPC and HSPC:10

ADT + docetaxel (chemotherapy): fit patients who are first diagnosed with metastatic disease

ADT ± anti-androgens: unfit patients or unwilling to consider ADT + chemotherapy

ADT + with any local treatment (radiotherapy/surgery) in an investigational setting only

Studies are ongoing into the potential benefits of combining androgen biosynthesis inhibitors with ADT for the treatment of metastatic hormone-naïve prostate cancer to prevent progression to castration-resistance.⁹



References

- 1. Web MD. What is metastatic prostate cancer. Available at: http://www.webmd.com/prostate-cancer/advanced-prostate-cancer-16/metastatic-prostate-cancer. Accessed May 2017.
- 2. WHO Cancer Today. Population fact sheet: WHO European Region. Available at: http://gco.iarc.fr/today/fact-sheets-populations?population=994&sex=1#collapse2.

 Accessed May 2017
- 3. International Agency for Research on Cancer (IARC). GLOBOCAN 2012 Database: Summary Table by Cancer. Available at: http://globocan.iarc.fr/Pages/fact_sheets_cancer. aspx. Accessed May 2017.
- 4. Buzzoni C, et al. Metastatic prostate cancer incidence and prostate-specific antigen testing: new insights from the European Randomized Study of Screening for Prostate Cancer. Eur Urol 2015; 68: 885-890.
- 5. McPhail S, et al. Stage at diagnosis and early mortality from cancer in England. B J Cancer 2015; 112: S108-S115.
- 6. Brasso K, et al. Differences in survival from prostate cancer in Denmark, Iceland and Sweden. Eur J Cancer 2013; 8:1984-1992.
- 7. Gravis et al. Eur Urol. 2015 Aug;68(2):196-204.
- 8. NCCN Prostate Cancer Guidelines. Available at: https://www.nccn.org/professionals/physician_gls/f_guidelines.asp#prostate. Accessed May 2017.
- 9. Clinical trials.gov. A Study of Abiraterone Acetate Plus Low-Dose Prednisone Plus Androgen Deprivation Therapy (ADT) Versus ADT Alone in Newly Diagnosed Participants With High-Risk, Metastatic Hormone-Naive Prostate Cancer (mHNPC). Available at: https://clinicaltrials.gov/ct2/show/NCT01715285. Accessed May 2017
- 10. Mottet N, et al. EAU ESTRO ESUR SIOG Guidelines on Prostate Cancer 2017.

