# The public-private consortium PIONEER updates and integrates Core Outcome Sets for Localised, Locally Advanced, Metastatic, and Nonmetastatic Castration-resistant Prostate Cancer (PCa)

The five experts Mieke Van Hemelrijck, Jihong Zong, Katharina Beyer, Lisa Moris, and Michael Lardas give an insight into their work and explain what COSs are, why they are important, which stakeholders have been involved in their development, and how are they going to be used.

#### First of all, please briefly introduce yourselves and your role in the work on the Core Outcome Sets?

Mieke Van Hemelrijck: "I am a Professor in Cancer Epidemiology at King's College London and also lead of the Guy's Cancer Real World Evidence Programme. In PIONEER, I am the academic lead for WP2. This means that I had the pleasure to oversee a fantastic multidisciplinary team of researchers across Europe who have done an outstanding job in defining the COS for prostate cancer as well as a tool to assess diagnostic and prognostic factors for prostate cancer."

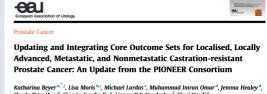
**Jihong Zong:** "I am a physician epidemiologist within the Real-World Evidence group in the Global Medical Affairs Oncology department at Bayer. In PIONEER, I am the EFPIA lead and co-lead with our public partner King's College London for Work Package 2 (WP2)."

Katharina Beyer: "I am working as the Research Associate under Mieke Van Hemelrijck for WP2 of the PIONEER project where we developed a core outcome set of clinically relevant standardised prostate cancer-related outcomes and prognostic and diagnostic factors. We have finalised the work around the development of the core outcome sets and are currently linking this work to answer three questions of the PIONEER prioritised Research Questions."

Lisa Moris: "I am a urology resident and (senior) associate of the European Association of Urology, with a special interest in prostate cancer research. I was introduced to PIONEER during my PhD on high-risk prostate cancer and this international big data project immediately got my attention. For PIONEER, I was involved in WP2 of where I collaborated in the development of core outcome sets of clinically relevant standardised prostate cancer-related outcomes and prognostic and diagnostic factors."

Michael Lardas: "I am a Urology Consultant working at the Second Department of Urology in Sismanoglio Hospital, Athens, Greece, and a Senior Associate member of EAU Guidelines Office. In PIONEER, I am working for WP2 and had the pleasure to help in the development of a core outcome set for prostate cancer."

# Click here to read the PIONEER COS publication in Eur Urology



Katharina Beyer<sup>®, 4</sup>, Lisa Moris<sup>®, 4</sup>, Michael Lardas<sup>©</sup>, Muhammad Imran Omar<sup>®</sup>, Jemma Healey<sup>®</sup>, Sheela Tripathee<sup>®</sup>, Giorgio Gandaglia<sup>®</sup>, Lionne D.F. Venderbos<sup>®</sup>, Eleni Vradi<sup>®</sup>, Thomas van den Broeck<sup>®</sup>, Peter-Paul Willemse<sup>®</sup>, Tiago Antunes-Lopes<sup>®</sup>, Luis Pacheco-Figueiredo <sup>©</sup>, Serenella Monagas<sup>®</sup>, Franceso Esperio, 'Sephen Flaherry<sup>®</sup>, Zsuzsanna Devecseri<sup>®</sup>, Thomas B.L. Lam<sup>®</sup>, Paula R. Williamson<sup>®</sup>, Rakesh Heer<sup>®</sup>, Emma J. Smith <sup>®</sup>, Alex Asimwe<sup>®</sup>, Johannes Huber<sup>®</sup>, Monique J. Roobol<sup>®</sup>, Jihong Zong<sup>®</sup>, Malcolm Maon, 'Philip Corriford<sup>®</sup>, Nicolas Motter<sup>®</sup>, Sara J. MacLennan <sup>®</sup>, and "NDow<sup>®</sup>, Albert Briganti<sup>®</sup>, Steven MacLennan <sup>®</sup>, Micke Van Hemelrijck<sup>®</sup>, on behalf of the PIONEER Consortium

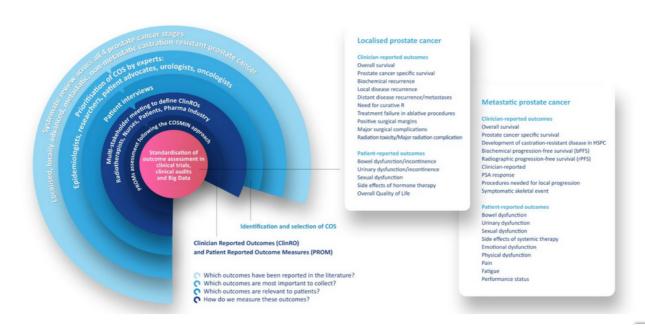
### Can you briefly summarise what the PIONEER Prostate Cancer COSs exactly are and why they are important?

Katharina Beyer: "The PIONEER COS is an agreed standardised collection of outcomes prioritised by patients, clinicians and researchers which should be reported as a minimum in all trials for a specific clinical area. Outcomes which have been determined by patients and healthcare professionals to be important should be chosen to be reported in clinical trials and observational studies to increase the impact in clinical practice."

**Jihong Zong**: The PIONEER COSs is a set of consolidated outcomes with their definitions and measurements harmonized. In the past decade, the number of studies or trials in prostate cancer area has been increased significantly. These were not only from clinical trials of potential new therapies but were also from observational studies conducted in real world setting. To draw meaningful conclusions or to make sound clinical decision for patients based on findings from these studies, a standardized set of outcome definitions and measurements is needed, which has been lacking so far. This makes the WP2 work an important task.

Click here to read the easy to understand overview of what Core Outcome

Sets are and why they are important



#### Which stakeholder groups have been involved in the consensus finding process?

**Mieke Van Hemelrijk:** "Patients are at the heart everything we do in PIONEER. Hence, in addition to health care professionals and researchers, they were a vital component of the consensus finding process."

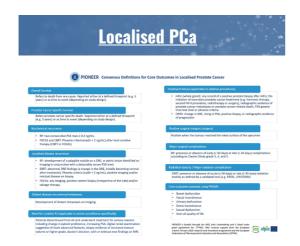
**Jihong Zong**: "This project is a multidisciplinary collaboration involving researchers both from academia and private sectors, clinicians, patients, patient advocates, and policy makers. Each stakeholder has a voice in the census process."

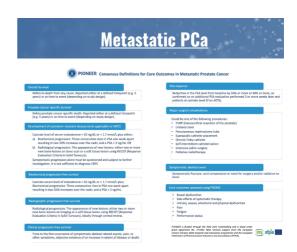
#### For which conditions have you defined COSs?

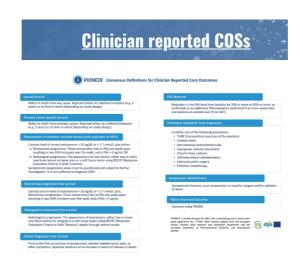
Katharina Beyer: "Across all stages of prostate cancer."

**Lisa Moris**: "We developed separate COSs for localised and locally advanced prostate cancer and for metastatic and nonmetastatic castration-resistant prostate cancer.

#### Click below to read the developed PIONEER consensus definitions for:







**Click below to** listen to Dr. Steven MacLennan and Prof. Mieke Van Hemelrijck explain what core outcome sets are and why they are important. Followed by Dr. Elena Sisca and Dr. Monica Ratti discussing patient reported outcome measures and their impact on clinical research and patient care.



What was your motivation in the work on the development of the PIONEER Core Outcome Sets?



### J. Zong

"This is an unique project with the opportunity of working with colleagues from academic institutions and having patients engagement throughout the process. The output of this work could have impact on future research, patient care and their quality of life. This has been the main drive of my commitment."

### M. Van Hemelrijck

"A core outcome set not only facilitates policy making and patient experience improvement, but also is a testimony to the need for a multidisciplinary approach when conducting clinical research."

What was your motivation in the work on the development of the PIONEER Core Outcome Sets?





### K. Beyer

Choosing outcomes which are important to patients, will empower patients in treatment decision making, improve their Quality of Life and overall will help to improve the patient journey when diagnosed with prostate cancer.

#### M. Lardas

"Core Outcome Sets (COS) can help us determine which outcomes to measure and how to measure them, when assessing the benefits and risks of interventions for specific conditions. The overall aim of a core outcome set is to contribute to improvements in health and social care by helping patients and the public, practitioners, and policy makers to make informed decisions about the available healthcare treatments. Having that in mind working for the COSs development in prostate cancer was an honor for me."



#### L. Moris

"The heterogeneity in the use of outcomes used in research and clinical trials limits the interpretation of the data as a whole. I believe that with COS we will create an opportunity to improve homogeneous data reporting and increase the quality of the data/results that can be used for general conclusion on clinical relevant questions."