Screening and early detection of prostate cancer: PSA and beyond

**Location:** Room Stockholm, North Hall (Level 1)

**Chairs:**
- F. Abdollah, Detroit (US)
- F.C. Hamdy, Oxford (GB)
- M.J. Roobol, Rotterdam (NL)

**Aims and objectives of this session**
The session is aimed at addressing the multi-variable risk assessment to optimize the use of screening and early detection strategies in prostate cancer.

Poster viewing of 20 minutes. Presentations will take place on stage. Standard presentations are 2 minutes in length, followed by 2 minutes for discussion. Extended presentations (*) are 3 minutes in length, followed by 3 minutes for discussion.

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An evaluation of a selective prostate cancer screening program using family history as a supplementary screening tool to PSA: Results from the ProtecT trial

By: Johnston T.¹, Lamb A.¹, Vowler S.², Xiong T.¹, Moore A.¹, Holding P.³, Herbert P.¹, Davis M.⁴, Lane A.⁴, Donovan J.⁴, Hamdy F.⁵, Neal D.¹

**Institutes:** University of Cambridge, Academic Urology Group, Cambridge, United Kingdom, Cancer Research UK Cambridge Institute, Li Ka Shing Centre, Cambridge, United Kingdom, University of Oxford, Nuffield Dept. of Surgical Sciences, Oxford, United Kingdom, University of Bristol, School of Social and Community Medicine, Bristol, United Kingdom, University of Oxford, Nuffield Department of Surgical Sciences, Oxford, United Kingdom

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At what age should a PSA-based screening program start? 20-year results from the Göteborg randomized population-based prostate cancer screening study

By: Carlsson S.¹, Arnelsrud Godtman R.², Holmberg E.³, Lilja H.⁴, Månsson M.², Stranne J.², Hugosson J.²

**Institutes:** Memorial Sloan Kettering Cancer Center, Dept. of Urology, New York, United States of America, Sahlgrenska Academy, Dept. of Urology, Gothenburg, Sweden, Sahlgrenska Academy, Dept. of Oncology, Gothenburg, Sweden, Memorial Sloan Kettering Cancer Center, Dept. of Surgery, Malmö, Sweden

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Malignancies in male BRCA mutation carriers – results from a prospectively screened cohort of patients enrolled to a dedicated male BRCA clinic

By: Margel D.¹, Mano R.¹, Benjaminov O.², Kedar I.³, Ozalvo R.¹, Sela S.¹, Ber Y.¹, Daniel J.¹

**Institutes:** Rabin Medical Center, Dept. of Urology, Petah Tikva, Israel, Rabin Medical Center, Dept. of Imaging, Petah Tikva, Israel, Rabin Medical Center, The Raphael Recanati Genetics Institute, Petah Tikva, Israel

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Is further screening of Asian men with low baseline prostate-specific antigen levels (≤1.0 ng/ml) worthwhile?

By: Urata S., Kitagawa Y., Mizokami A.

**Institutes:** Kanazawa University, Dept. of Urology, Kanazawa, Japan

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The use of prostate-specific antigen screening in purchased versus direct care settings: Data from the TRICARE military database

By: Gild P.¹, Von Landenberg N.¹, Cole A.¹, Jiang W.², Lipsitz S.², Learn P.³, Sun M.¹, Choueiri T.⁴, Nguyen P.², Chun F.⁶, Fisch M.⁶, Kibel A.¹, Menon M.¹, Sammon J.⁷, Koehlmos T.⁸, Haider A.², Trinh Q.-D.¹

**Institutes:** Brigham and Women’s Hospital, Harvard Medical School, Division of Urological Surgery
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Prostate cancer screening in high risk families: Should PSA testing be performed yearly in first degree relatives with baseline PSA ≥1ng/ml?

By: Callerot P.1, Moineau M-P.2, Cussenot I.3, Baschet F.3, L’ Her J.1, Doucet L.1, Cancel-Tassin G.3, Cormier L.4, Mangin P.3, Cussenot O.5, Fournier G.1, Valeri A.1

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Risk of prostate-cancer death at 20 years stratified by midlife PSA and a panel of four kallikrein markers from a representative cohort of 11,506 healthy unscreened men aged 45-74

By: Sjoberg D.D.1, Vickers A.J.2, Assel M.2, Dahlin A1, Carlsson S.1, Poon B.Y.2, Ulmert D.1, Lilja H.G.1

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Inclusion of mpMRI into the European Randomized study of Screening for Prostate Cancer (ERSPC) risk calculator: A new proposal to improve the accuracy of prostate cancer detection

By: Dell'Oglio P.1, Stabile A1, Gandaglia G.1, Brembilla G.2, Maga T.1, Cristel G.2, Kinzikeeva E.1, Losa A.1, Esposito A.2, Cardone G.2, De Cobelli F.3, Del Maschio A.2, Gaboardi F.1, Montorsi F.1, Briganti A.1

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Head-to-head comparison of commonly used international prostate cancer risk calculators for prostate biopsy

By: Pereira-Azevedo N.1, Verbeek J.1, Nieboer D.2, Steyerberg E.2, Roobol M.1

Institutes: 1Erasmus MC, Dept. of Urology, Rotterdam, The Netherlands, 2Erasmus MC, Dept. of Public Health, Rotterdam, The Netherlands

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Outcomes of PSA-based prostate cancer screening among men using non-steroidal anti-inflammatory drugs

By: Murtola T.1, Vettenranta A.2, Talala K.3, Taari K.4, Stenman U.-H.6, Tammela T.1, Auvinen A.6

Institutes: 1Tampere University Hospital, Dept. of Urology, Tampere, Finland, 2University of Tampere, School of Medicine, Tampere, Finland, 3Finnish Cancer Registry, Dept. of Research, Helsinki, Finland, 4Helsinki University, School of Medicine, Helsinki, Finland, 5Helsinki University Hospital, Dept. of Biochemistry, Helsinki, Finland, 6University of Tampere, School of Health Sciences, Tampere, Finland

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Decreasing screening efficacy with increasing age: Results from a population-based screening trial - Swiss ERSPC (Aarau)

By: Praise L.1, Wyler S.1, Mönigten T.1, Huber A.2, Grobholz R.3, Manka L.4, Recker F.1, Kwiatkowski M.1

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Stage distribution of prostate cancer at a tertiary care oncology centre in India - reflections of an unscreened population
By: Prakash G.¹, Bakshi G.¹, Shinde R.², Bhamre R.², Murthy V.³, Rent E.⁴, Pal M.¹, Mahantshetty U.³, Menon S.⁵
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The diverse genomic landscape of low-risk prostate cancer
By: Cooperberg M.¹, Erho N.², Chan J.³, Feng F.³, Cowan J.³, Simko J.³, Ong K.², Alshalalfa M.¹, Kolisnik T.², Margrave J.², Aranes M.², Du Plessis M.², Buerki C.³, Zhao S.², Tenggara I.³, Davicioni E.², Carroll P.³
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A positive digital rectal examination (DRE) does not predict prostate cancer in 45 yr old men - results from the German risk-adapted PCA Screening Trial (PROBASE)
By: Arsov C.¹, Becker N.², Herkommer K.³, Gschwend J.³, Imkamp F.³, Kuczyk M.⁴, Hadaschik B.⁵, Hohenfellner M.⁶, Siener R.⁶, Kristiansen G.⁷, Antoch G.⁸, Albers P.¹
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