

Prostate cancer: Outcomes after radiotherapy and brachytherapy

Poster Session 61

Monday, 27 March
12:15 - 13:45

Location: Room Milan, North Hall (Level 1)

Chairs: A. Bossi, Villejuif (FR)
W.C. Loidl, Linz (AT)
C. Surcel, Bucharest (RO)

Aims and objectives of this session

To evaluate radiotherapy and brachytherapy protocols and oncological and functional results.

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.

- 805 **Optimization of assessment tool for lower urinary symptom flare in patients with localized prostate cancer treated with iodine-125 implant brachytherapy**
By: Miyake M.¹, Tanaka N.¹, Asakawa I.², Hori S.¹, Morizawa Y.¹, Tatsumi Y.¹, Nakai Y.¹, Anai S.¹, Hasegawa M.², Konishi N.³, Fujimoto K.¹
Institutes:¹Nara Medical University, Dept. of Urology, Nara, Japan, ²Nara Medical University, Dept. of Radiation Oncology, Nara, Japan, ³Nara Medical University, Dept. of Pathology, Nara, Japan
- 806 **Impact of ISUP new grading system on prognostic prediction in clinical stage T3 prostate cancer undergoing high-dose-rate brachytherapy**
By: Tsumura H.¹, Satoh T.¹, Tabata K-I.¹, Ishiyama H.², Ikeda M.¹, Kurosaka S.¹, Fujita T.¹, Hayakawa K.¹, Iwamura M.¹
Institutes:¹Kitasato University School of Medicine, Dept. of Urology, Sagamihara, Japan, ²Kitasato University School of Medicine, Dept. of Radiology and Radiation Oncology, Sagamihara, Japan
- 807 **Ten year outcomes of real time "4D" brachytherapy in prostates up to 100cc**
By: Rea A.¹, Rogers P.², Jones A.¹
Institutes:¹Royal Berkshire Hospital, Dept. of Urology, Reading, United Kingdom, ²Royal Berkshire Hospital, Dept. of Oncology, Reading, United Kingdom
- 808 **Long-term outcomes of permanent prostate brachytherapy**
By: Stone N.¹, Stock R.²
Institutes:¹The Icahn School Of Medicine At Mount Sinai, Dept. of Urology, New York, United States of America, ²The Icahn School Of Medicine At Mount Sinai, Dept. of Radiation Oncology, New York, United States of America
- 809 **Outcomes of treatment for localized prostate cancer in a single institution; comparison of radical prostatectomy vs radiation therapy -Propensity Score Matching Analysis-**
By: Hayashi N.¹, Yokomizo Y.¹, Kimito O.¹, Makiyama K.¹, Kondo K.¹, Nakaigawa N.¹, Yao M.¹, Taguri M.², Sugiura M.³, Ito E.³, Takano S.³, Mukai A.³
Institutes:¹Yokohama City University School of Medicine, Dept. of Urology, Yokohama, Japan, ²Yokohama City University School of Medicine, Dept. of Biostatistics, Yokohama, Japan, ³Yokohama City University School of Medicine, Dept. of Radiology, Yokohama, Japan
- 810 **Oncological outcomes of prostate cancer treated by radical prostatectomy versus radiotherapy: A multi-center study using propensity-matched and competing risk regression analyses**
By: Koo K.C.¹, Lee W.K.⁶, Kim J.C.¹, Bang W.J.², Lee S.H.³, Cho S.Y.⁴, Kim S.I.⁵, Kim S.J.⁵, Cho J.S.², Rha K.H.¹, Hong S.J.¹, Chung B.H.¹

Institutes:¹Yonsei University College of Medicine, Gangnam Severance Hospital, Dept. of Urology, Seoul, South Korea, ²Hallym University College of Medicine, Dept. of Urology, Chuncheon, South Korea, ³Yonsei University College of Medicine, Shinchon Severance Hospital, Dept. of Urology, Seoul, South Korea, ⁴Inje University College of Medicine, Dept. of Urology, Busan, South Korea, ⁵Ajou University College of Medicine, Dept. of Urology, Suwon, South Korea, ⁶Hallym University Chuncheon Sacred Heart Hospital, Hallym University College of Medicine, Dept. of Urology, Chuncheon, South Korea

- 811 **The hybrid method can cover an extensive area of planning target volume compared with the conventional method in prostate cancer patients who undergo low-dose-rate brachytherapy**
By: Tanaka N.¹, Asakawa I.², Nakai Y.¹, Miyake M.¹, Anai S.¹, Fujii T.³, Hasegawa M.², Konishi N.³, Fujimoto K.¹
Institutes:¹Nara Medical University, Dept. of Urology, Kashihara, Japan, ²Nara Medical University, Dept. of Radiation Oncology, Kashihara, Japan, ³Nara Medical University, Dept. of Pathology, Kashihara, Japan
- 812 **Combined androgen deprivation and radiation versus either modality alone or observation after radical prostatectomy in patients with pathologic node-positive prostate cancer: Analysis of a national hospital cancer registry database**
By: Zareba P., Eastham J., Scardino P., Touijer K.
Institutes:Memorial Sloan Kettering Cancer Center, Dept. of Surgery and Urology, New York, United States of America
- 813 **What is the impact of diabetes mellitus on radiation induced proctitis after radical radiotherapy for adenocarcinoma prostate?**
By: Paterson C.¹, Alashkham A.⁴, Hubbard S.², Nabi G.³
Institutes:¹Ninewells Hospital, Dept. of Urology, Dundee, United Kingdom, ²University of Dundee, School of The Environment, Dundee, United Kingdom, ³University of Dundee, Dept. of Urology, Dundee, United Kingdom, ⁴University of Edinburgh, Centre for Human Anatomy, Edinburgh, United Kingdom
- 814 **Nationwide multicenter retrospective study on high-dose-rate brachytherapy as monotherapy for prostate cancer**
By: Komiya A.¹, Yoshioka Y.², Kotsuma T.³, Kariya M.⁴, Konishi K.⁵, Nonomura N.⁶, Fujiuchi Y.⁷, Kitamura H.⁷
Institutes:¹Chiba University Graduate School of Medicine, Dept. of Urology, Chiba, Japan, ²Osaka University Graduate School of Medicine, Dept. of Radiation Oncology, Osaka, Japan, ³Osaka National Hospital, Dept. of Radiation Oncology, Osaka, Japan, ⁴Kochi University Graduate School of Medicine, Dept. of Radiation Oncology, Osaka, Japan, ⁵Osaka Medical Center for Cancer and Cardiovascular Diseases, Dept. of Radiation Oncology, Osaka, Japan, ⁶Osaka University Graduate School of Medicine, Dept. of Urology, Osaka, Japan, ⁷Graduate School of Medicine and Pharmaceutical Sciences For Research, University of Toyama, Dept. of Urology, Toyama, Japan
- 815 **Ex vivo γ H2AX assay in prostate cancer patient-derived tumour samples reveals substantial differences in intrinsic radiation sensitivity**
By: Neumann E.¹, De Colle C.², Müller A-C.², Yaromina A.³, Hennenlotter J.¹, Stenzl A.¹, Scharpf M.⁴, Fend F.⁴, Ricardi U.⁵, Baumann M.⁶, Zips D.², Menegakis A.²
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- *816 **Pre-radiotherapy, (robot-assisted) laparoscopic sentinel node dissection and its impact on recurrence and progression of prostate cancer**
By: Grivas N.¹, Wit E.¹, Pos F.², De Jong J.³, Vegt E.⁴, Bex A.¹, Hendricksen K.¹, Horenblas S.¹, KleinJan G.⁵, Van Rhijn B.¹, Van Der Poel H.¹

Institutes:¹Netherlands Cancer Institute, Dept. of Urology, Amsterdam, The Netherlands, ²Netherlands Cancer Institute, Dept. of Radiation Oncology, Amsterdam, The Netherlands, ³Netherlands Cancer Institute, Dept. of Pathology, Amsterdam, The Netherlands, ⁴Netherlands Cancer Institute, Dept. of Nuclear Medicine, Amsterdam, The Netherlands, ⁵Leiden University Medical Center, Dept. of Radiology, Leiden, The Netherlands

13:28 - 13:38

Current technique on radiation therapy

A. Bossi, Villejuif (FR)