

SNMMI NEWSLINE

- 13N ABNM CertLink: Update and “By the Numbers”**
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- 14N SNMMI Leadership Update: Making Nuclear Medicine a Household Phrase**
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- 16N Newsbriefs**
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- 1455 Integrating Nuclear Imaging and Cardiology in Clinical Practice: A Conversation Between Jeroen J. Bax and Frank M. Bengel**
Jeroen J. Bax and Frank M. Bengel

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- 1459 Single-Cell Radiotracer Allocation via Immunomagnetic Sorting to Disentangle PET Signals at Cellular Resolution**
Laura M. Bartos, Sebastian T. Kunte, Philipp Beumers, Xianyuan Xiang, Karin Wind, Sibylle Ziegler, Peter Bartenstein, Hongyoon Choi, Dong Soo Lee, Christian Haass, et al.

HOT TOPICS

- 1463 α -Synuclein PET and Parkinson Disease Therapeutic Trials: Ever the Twain Shall Meet?**
John P. Seibyl

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- 1467 Dosimetry in Radiopharmaceutical Therapy**
Joe O'Donoghue, Pat Zanzonico, John Humm, and Adam Kesner

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- 1475 Single-Domain Antibody Theranostics on the Horizon**
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- 1480 Role of Prostate-Specific Membrane Antigen PET in Metastatic Prostate Cancer: We Have the Answers**
Kelsey L. Pomykala, Ken Herrmann, Anwar R. Padhani, Michael S. Hofman, Elisabetta Lalumera, and Stefano Fanti

THERANOSTICS

Clinical

- 1482 ■ INVITED PERSPECTIVE. Outcome of Patients with PSMA PET/CT Screening Failure by VISION Criteria and Treated with ^{177}Lu -PSMA: A Multicenter Retrospective Analysis**
Oliver Sartor

- 1484 ■ BRIEF COMMUNICATION. Outcome of Patients with PSMA PET/CT Screen Failure by VISION Criteria and Treated with ^{177}Lu -PSMA Therapy: A Multicenter Retrospective Analysis**

Masatoshi Hotta, Andrei Gafita, Johannes Czernin, and Jeremie Calais

- 1489 Synthesis and Preclinical Evaluation of ^{177}Lu -Labeled Radiohybrid PSMA Ligands for Endoradiotherapy of Prostate Cancer**

Alexander Wurzer, Jan-Philip Kunert, Sebastian Fischer, Veronika Felber, Roswitha Beck, Francesco de Rose, Calogero D'Alessandria, Wolfgang Weber, and Hans-Jürgen Wester

- 1496 ■ FEATURED ARTICLE OF THE MONTH. mCRPC Patients Receiving ^{225}Ac -PSMA-617 Therapy in the Post-Androgen Deprivation Therapy Setting: Response to Treatment and Survival Analysis**

Mike Sathekge, Frank Bruchertseifer, Mariza Vorster, Ismaheel O. Lawal, Otto Knoesen, Johncy Mahapane, Cindy Davis, Amanda Mdlaphane, Alex Maes, Kgomo Mokoala, et al.

- 1503 Safety of Peptide Receptor Radionuclide Therapy with ^{177}Lu -DOTATATE in Neuroendocrine Tumor Patients with Chronic Kidney Disease**

Shahad Alsadik, Gopinath Gnanasegaran, Luohai Chen, Dalvinder Mandair, Christos Toumpanakis, Martyn Caplin, and Shaunak Navalkisoor

- 1509 Heterogeneity of SSTR2 Expression Assessed by ^{68}Ga -DOTATOC PET/CT Using Coefficient of Variation in Patients with Neuroendocrine Tumors**

Rosa Fonti, Mariarosaria Panico, Sara Pellegrino, Alessandro Pulcrano, Luisa Alessia Vastarella, Armin Hakkak Moghadam Torbati, Mario Giuliano, Giovannella Palmieri, Sabino De Placido, and Silvana Del Vecchio

ONCOLOGY

Clinical

- 1515 Analysis of Short-Term and Stable DNA Damage in Patients with Differentiated Thyroid Cancer Treated with ^{131}I in Hypothyroidism or with Recombinant Human Thyroid-Stimulating Hormone for Remnant Ablation**

Alberto Signore, Giuseppe Campagna, Jessica Marinaccio, Marco de Vitis, Chiara Lauri, Francesco Berardinelli, Anna Tofani, Marco Chianelli, Marina Borro, Giovanna Gentile, et al.

- 1523 ^{89}Zr -DFO-Durvalumab PET/CT Before Durvalumab Treatment in Patients with Recurrent or Metastatic Head and Neck Cancer**

Sarah R. Verhoeff, Pim P. van de Donk, Erik H.J.G. Aarntzen, Sjoukje F. Oosting, Adrienne H. Brouwers, Iris H.C. Miedema, Jens Voortman, Willemien C. Menke-van der Houven van Oordt, Ronald Boellaard, Dennis Vriens, et al.

- 1531 Reproducibility of PSMA PET/CT Imaging for Primary Staging of Treatment-Naïve Prostate Cancer Patients Depends on the Applied Radiotracer: A Retrospective Study**

Marinus J. Hagens, Daniela E. Oprea-Lager, André N. Vis, Maurits Wondergem, Maarten L. Donswijk, Dennie Meijer, Louise Emmett, Pim J. van Leeuwen, and Henk G. van der Poel

1537 ¹⁸F-PPFN PET: A New and Attractive Imaging Modality for Patients with Malignant Melanoma

Xiao Zhang, Mengting Li, Yongkang Gai, Jing Chen, Juan Tao, Liu Yang, Fan Hu, Wenyu Song, Tzu-Chen Yen, and Xiaoli Lan

RADIONUCLIDE THERAPY

Clinical

1544 ²²³Ra Induces Transient Functional Bone Marrow Toxicity

Maria Parlani, Francesco Boccalatte, Anna Yeaton, Feng Wang, Jianhua Zhang, Iannis Aifantis, and Eleonora Dondossola

NEUROLOGY

Clinical

1551 First-in-Humans Evaluation of ¹⁸F-SMBT-1, a Novel ¹⁸F-Labeled Monoamine Oxidase-B PET Tracer for Imaging Reactive Astrogliosis

Victor L. Villemagne, Ryuichi Harada, Vincent Doré, Shozo Furumoto, Rachel Mulligan, Yukitsuka Kudo, Samantha Burnham, Natasha Krishnadas, Svetlana Bozinovski, Kun Huang, et al.

1560 Assessing Reactive Astrogliosis with ¹⁸F-SMBT-1 Across the Alzheimer Disease Spectrum

Victor L. Villemagne, Ryuichi Harada, Vincent Doré, Shozo Furumoto, Rachel Mulligan, Yukitsuka Kudo, Samantha Burnham, Natasha Krishnadas, Pierrick Bourgeat, Ying Xia, et al.

Basic

1570 Tracking Innate Immune Activation in a Mouse Model of Parkinson Disease Using TREM1 and TSPO PET Tracers

Katherine L. Lucot, Marc Y. Stevens, T. Adam Bonham, E. Carmen Azevedo, Aisling M. Chaney, Ebony D. Webber, Poorva Jain, Jessica L. Klockow, Isaac M. Jackson, Mackenzie L. Carlson, et al.

INFECTIOUS DISEASE/INFLAMMATION

Clinical

1579 Total-Body ¹⁸F-FDG PET/CT in Autoimmune Inflammatory Arthritis at Ultra-Low Dose: Initial Observations

Yasser Abdelhafez, Siba P. Raychaudhuri, Dario Mazza, Soumajyoti Sarkar, Heather L. Hunt, Kristin McBride, Mike Nguyen, Denise T. Caudle, Benjamin A. Spencer, Negar Omidvari, et al.

GASTROENTEROLOGY

Translational

1586 ■ FEATURED TRANSLATIONAL SCIENCE ARTICLE. PET Imaging of System χ_C^- in Immune Cells for Assessment of Disease Activity in Mice and Patients with Inflammatory Bowel Disease

Minjung Seo, Yeji Kim, Byong Duk Ye, Sang Hyoung Park, Seog-Young Kim, Jin Hwa Jung, Sung Wook Hwang, Sun Young Chae, Dong Yun Lee, Sang Ju Lee, et al.

RADIOBIOLOGY/DOSIMETRY

Clinical

1592 ¹⁸F-FDG Fetal Dosimetry Calculated with PET/MRI

Paolo Zanotti-Fregonara, Tatsuya Ishiguro, Kosuke Yoshihara, Shiro Ishii, and Takayuki Enomoto

1598 ⁶⁸Ga-Citrate PET of Healthy Men: Whole-Body Biodistribution Kinetics and Radiation Dose Estimates

Sami Suilamo, Xiang-Guo Li, Petteri Lankinen, Vesa Oikonen, Tuula Tolvanen, Pauliina Luoto, Riikka Viitanen, Antti Saraste, Marko Seppänen, Laura Pirilä, et al.

AI/ADVANCED IMAGE ANALYSIS

Clinical

1604 Evaluation of Data-Driven Rigid Motion Correction in Clinical Brain PET Imaging

Matthew G. Spangler-Bickell, Samuel A. Hurley, Ali Pirasteh, Scott B. Perlman, Timothy Deller, and Alan B. McMillan

1611 Impact of ComBat Harmonization on PET Radiomics-Based Tissue Classification: A Dual-Center PET/MRI and PET/CT Study

Doris Leithner, Heiko Schöder, Alexander Haug, H. Alberto Vargas, Peter Gibbs, Ida Häggström, Ivo Rausch, Michael Weber, Anton S. Becker, Jazmin Schwartz, et al.

DEPARTMENTS

10A This Month in JNM

15A Recruitment

1597 Erratum