

EDITOR'S PAGE

- 1505** A Tribute to Our *JNM* Associate Editors
Johannes Czernin

DISCUSSIONS WITH LEADERS

- 1506** Pioneering Research on Cancer Quality of Life and Outcomes: Johannes Czernin Discusses a Half-Century of Whole-Patient Focus with Patricia A. Ganz
Patricia A. Ganz and Johannes Czernin

STATE OF THE ART

- 1509** Ethical Considerations for Artificial Intelligence in Medical Imaging: Deployment and Governance
Jonathan Herington, Melissa D. McCradden, Kathleen Creel, Ronald Boellaard, Elizabeth C. Jones, Abhinav K. Jha, Arman Rahmim, Peter J.H. Scott, John J. Sunderland, Richard L. Wahl, et al.

EDITORIAL

- 1516** Is Actinium Really Happening?
Richard Zimmermann

ONCOLOGY

Clinical

- 1519** Prognostic Value of TSPO PET Before Radiotherapy in Newly Diagnosed IDH-Wild-Type Glioblastoma
Nathalie L. Albert, Debbie V. Nelwan, Daniel F. Fleischmann, Stefanie Quach, Katharina von Rohr, Lena Kaiser, Nico Teske, Lena M. Unterrainer, Laura M. Bartos, Viktoria C. Ruf, et al.
- 1526** PET Imaging and Protein Expression of Prostate-Specific Membrane Antigen in Glioblastoma: A Multicenter Inventory Study
Sanne A.M. van Lith, Ilanah J. Pruis, Nelleke Tolboom, Tom J. Snijders, Dylan Henssen, Mark ter Laan, Maarten te Dorsthorst, William P.J. Leenders, Martin Gotthardt, James Nagarajah, et al.
- 1532** Comparison of Baseline ^{68}Ga -FAPI and ^{18}F -FDG PET/CT for Prediction of Response and Clinical Outcome in Patients with Unresectable Hepatocellular Carcinoma Treated with PD-1 Inhibitor and Lenvatinib
Meiqi Wu, Yanyu Wang, Qiao Yang, Xuezhu Wang, Xu Yang, Haiqun Xing, Xinting Sang, Xiang Li, Haitao Zhao, and Li Huo
- 1540** ■ **FEATURED ARTICLE OF THE MONTH.** ^{68}Ga -SSO-120 PET for Initial Staging of Small Cell Lung Cancer Patients: A Single-Center Retrospective Study
David Kersting, Patrick Sandach, Miriam Sraieb, Marcel Wiesweg, Martin Metzenmacher, Kaid Darwiche, Filiz Oezkan, Servet Bölükbas, Martin Stuschke, Lale Umutlu, et al.

- 1550** The Association Between ^{68}Ga PSMA PET/CT Response and Biochemical Progression in Patients with High-Risk Prostate Cancer Receiving Neoadjuvant Therapy
Mengxia Chen, Yao Fu, Shan Peng, Shiming Zang, Shuyue Ai, Junlong Zhuang, Feng Wang, Xuefeng Qiu, and Hongqian Guo

- 1556** ^{68}Ga -PSMA PET/CT for Response Evaluation of ^{223}Ra Treatment in Metastatic Prostate Cancer
Anouk C. de Jong, Marcel Segbers, Sui Wai Ling, Laura H. Graven, Niven Mehra, Paul Hamberg, Tessa Brabander, Ronald de Wit, and Astrid A.M. van der Veldt

- 1563** ■ **BRIEF COMMUNICATION.** The Diagnostic Value of the Sentinel Node Procedure to Detect Occult Lymph Node Metastases in PSMA PET/CT Node-Negative Prostate Cancer Patients
Jan J. Duin, Hilda A. de Barros, Maarten L. Donswijk, Eva E. Schaake, Tim M. van der Sluis, Esther M.K. Wit, Fijs W.B. van Leeuwen, Pim J. van Leeuwen, and Henk G. van der Poel

THERANOSTICS

Clinical

- 1567** ■ **BRIEF COMMUNICATION.** Radiation Safety Considerations of Household Waste Disposal After Release of Patients Who Have Received ^{177}Lu Lu-PSMA-617
Stephen A. Graves
- 1570** ■ **BRIEF COMMUNICATION.** ^{177}Lu Lu-PSMA-617 Therapy in a Patient with Chronic Kidney Disease
Lorenzo Mercolli, Clemens Mingels, Giulia Manzini, Paul Cumming, Konstantinos Zeimpekis, Song Xue, Ian Alberts, Dominik Uehlinger, Axel Rominger, Kuangyu Shi, et al.
- 1574** Clinical Experience with ^{225}Ac Ac-PSMA Treatment in Patients with ^{177}Lu Lu-PSMA-Refractory Metastatic Castration-Resistant Prostate Cancer
Nalan Alan-Selcuk, Gamze Beydagi, Emre Demirci, Meltem Ocak, Serkan Celik, Bala B. Oven, Turkey Toklu, Ipek Karaaslan, Kaan Akcay, Omer Sonmez, et al.

NEUROLOGY

Basic

- 1581** In Vivo Cerebral Imaging of Mutant Huntingtin Aggregates Using ^{11}C -CHDI-180R PET in a Nonhuman Primate Model of Huntington Disease
Daniele Bertoglio, Alison R. Weiss, William Liguore, Lauren Drew Martin, Theodore Hobbs, John Templon, Sathya Srinivasan, Celia Dominguez, Ignacio Munoz-Sanjuan, Vinod Khetarpal, et al.
- 1588** Development of a PET Tracer for OGA with Improved Kinetics in the Living Brain
Brendon E. Cook, Sangram Nag, Ryosuke Arakawa, Edward Yin-Shiang Lin, Nancy Stratman, Kevin Guckian, Heike Hering, Mukesh Lulla, Jinkuk Choi, Cristian Salinas, et al.

Clinical

1594 Automated Brain Tumor Detection and Segmentation for Treatment Response Assessment Using Amino Acid PET

Robin Gutsche, Carsten Lewis, Karl Ziemons, Martin Kocher, Garry Ceccon, Cláudia Régio Brambilla, Nadim J. Shah, Karl-Josef Langen, Norbert Galldiks, Fabian Isensee, et al.

1603 Stacking Ensemble Learning–Based [¹⁸F]FDG PET Radiomics for Outcome Prediction in Diffuse Large B-Cell Lymphoma

Shuilin Zhao, Jing Wang, Chentao Jin, Xiang Zhang, Chenxi Xue, Rui Zhou, Yan Zhong, Yuwei Liu, Xuexin He, Youyou Zhou, et al.

RADIOBIOLOGY/DOSIMETRY

Clinical

1610 Impact of Single-Time-Point Estimates of ¹⁷⁷Lu-PRRT Absorbed Doses on Patient Management: Validation of a Trained Multiple-Linear-Regression Model in 159 Patients and 477 Therapy Cycles

Alexandre Chicheportiche, Moshe Sason, Mahmoud Zidan, Jeremy Godefroy, Yodphat Krausz, David J. Gross, Simona Grozinsky-Glasberg, and Simona Ben-Haim

1617 ■ INVITED PERSPECTIVE. Choosing the Right Metrics for Evaluation of Radiopharmaceutical Therapy Dosimetry Methodologies

Joshua S. Scheuermann and Daniel A. Pryma

Basic

1619 Membrane and Nuclear Absorbed Doses from ¹⁷⁷Lu and ¹⁶¹Tb in Tumor Clusters: Effect of Cellular Heterogeneity and Potential Benefit of Dual Targeting—A Monte Carlo Study

Alexandre Larouze, Mario Alcocer-Ávila, Clément Morgat, Christophe Champion, and Elif Hindíé

1625 Albumin-Binding and Conventional PSMA Ligands in Combination with ¹⁶¹Tb: Biodistribution, Dosimetry, and Preclinical Therapy

Viviane J. Tschan, Sarah D. Busslinger, Peter Bernhardt, Pascal V. Grundler, Jan Rijn Zeevaart, Ulli Köster, Nicholas P. van der Meulen, Roger Schibli, and Cristina Müller

1632 Tumor Control Probability and Small-Scale Monte Carlo Dosimetry: Effects of Heterogenous Intratumoral Activity Distribution in Radiopharmaceutical Therapy

Emma Mellhammar, Magnus Dahlbom, Oskar Vilhelmsson-Timmermand, and Sven-Erik Strand

MOLECULAR IMAGING

Basic

1638 ■ FEATURED BASIC ARTICLE OF THE MONTH. Immuno-PET Detects Antibody–Drug Potency on Coadministration with Statins

Emma L. Brown, Shayla Shmuel, Komal Mandleywala, Sandeep Surendra Panikar, Na-Keysha Berry, Yi Rao, Abbey Zidel, Jason S. Lewis, and Patrícia M.R. Pereira

1647 Ambient Light Resistant Shortwave Infrared Fluorescence Imaging for Preclinical Tumor Delineation via the pH

Low-Insertion Peptide Conjugated to Indocyanine Green
Benedict Edward Mc Larney, Mijin Kim, Sheryl Roberts, Magdalena Skubal, Hsiao-Ting Hsu, Anuja Ogirala, Edwin C. Pratt, Naga Vara Kishore Pillarsetty, Daniel A. Heller, Jason S. Lewis, et al.

1654 Preclinical Comparison of the ⁶⁴Cu- and ⁶⁸Ga-Labeled GRPR-Targeted Compounds RM2 and AMTG, as Well as First-in-Humans [⁶⁸Ga]Ga-AMTG PET/CT

Lena Koller, Markus Joks, Sarah Schwarzenböck, Jens Kurth, Martin Heuschkel, Nadine Holzleitner, Roswitha Beck, Gunhild von Amsberg, Hans-Jürgen Wester, Bernd Joachim Krause, et al.

ILLUSTRATED POST

1660 [⁶⁸Ga]Ga-FAPI-46 PET for Visualization of Postinfarction Renal Fibrosis

Lena M. Unterrainer, Anthony E. Sisk, Jr., Johannes Czernin, Brian M. Shuch, Jeremie Calais, and Masatoshi Hotta

LETTERS TO THE EDITOR

1662 Not All Gatekeepers Are Theranostics

Dale L. Bailey

1662 ■ REPLY. Not All Gatekeepers Are Theranostics

Wolfgang Andreas Weber, Henryk Barthel, Frank M. Bengel, Matthias M. Eiber, Ken Herrmann, and Michael Schäfers

1663 Potential of ¹⁸⁸Re as an Alternative to ¹⁷⁷Lu and Dosimetric Consequences

Marc Pretze, Jörg Kotzerke, Robert Freudenberg, and Claudia Brogssitter

1663 ■ REPLY. Potential of ¹⁸⁸Re as an Alternative to ¹⁷⁷Lu and Dosimetric Consequences

Jens Cardinale, Frederik L. Giesel, Christina Wensky, Hendrik G. Rathke, Uwe Haberkorn, and Clemens Kratochwil

1664 Response to “Critique and Discussion of ‘Multicenter Evaluation of Frequency and Impact of Activity Infiltration in PET Imaging, Including Microscale Modeling of Skin-Absorbed Dose’”

John J. Sunderland, Stephen A. Graves, Dusty M. York, Christine A. Mundt, and Twyla B. Bartel

ADDENDUM

1668 Addendum to MIRD Pamphlet No. 28

Adam L. Kesner, Lukas M. Carter, and Wesley E. Bolch

IN MEMORIAM

1669 Johan S. Masjhur, dr, SpPD-KEMD, SpKN-TM, 1942–2023

Hussein S. Kartamihardja and Dale L. Bailey

DEPARTMENTS

10A This Month in JNM**1668 Erratum**