

DISCUSSIONS WITH LEADERS

- 1163** **Illuminating Cardiac Function: Heinz Schelbert Talks with Heiko Schöder and Johannes Czernin About a Pioneering Career in Nuclear Cardiology**
Heinrich Schelbert, Heiko Schöder, and Johannes Czernin

THE STATE OF THE ART

- 1166** **An International Study of Factors Affecting Variability of Dosimetry Calculations, Part 3: Contribution from Calculating Absorbed Dose from Time-Integrated Activity**
Julia Brosch-Lenz, Sara Kurkowska, Eric Frey, Yuni K. Dewaraja, John Sunderland, and Carlos Uribe

ISSUES AND CONTROVERSIES

- 1173** **Facilitating the End of the Linear No-Threshold Model Era**
Mohan Doss

ONCOLOGY

Clinical

- 1175** ■ **BRIEF COMMUNICATION. Dose–Response Relationship in Patients with Liver Metastases from Neuroendocrine Neoplasms Undergoing Radioembolization with ⁹⁰Y Glass Microspheres**
Masao Watanabe, Stephan Leyser, Jens Theysohn, Benedikt Schaarschmidt, Johannes Ludwig, Wolfgang P. Fendler, Alexandros Moraitis, Harald Lahner, Annie Mathew, Ken Herrmann, et al.
- 1181** **Diagnostic Performance of ¹⁸F-FDG PET/CT According to Delay After Treatment to Detect Subclinical Recurrence of Head and Neck Squamous Cell Carcinoma**
Camille Clement, Jean-Christophe Leclère, Clémentine Maheo, Romain Le Pennec, Gregoire Le Gal, Olivier Delcroix, Philippe Robin, Jean Rousset, Valentin Tissot, Aziliz Gueguen, et al.
- 1188** **Fibroblast Activation Protein–Directed Imaging Outperforms ¹⁸F-FDG PET/CT in Malignant Mesothelioma: A Prospective, Single-Center, Observational Trial**
Lukas Kessler, Felix Schwaning, Martin Metzenmacher, Kim Pabst, Jens Siveke, Marija Trajkovic-Arsic, Benedikt Schaarschmidt, Marcel Wiesweg, Clemens Aigner, Till Plönes, et al.
- 1194** **Prognostic Value of ¹⁸F-FDG PET/CT Assessment After Radiotherapy of Squamous Cell Carcinoma of the Anus in Patients from the National Multicentric Cohort FFCD-ANABASE**
Virginie Combet-Curt, Chloé Buchalet, Karine Le Malicot, Claire Lemanski, Emmanuel Deshayes, Nathalie Bonichon-Lamichhane, Astrid Lièvre, Florence Huguet, Ghoufrane Tlili, and Véronique Vendrely
- 1202** **Diverse Imaging Methods May Influence Long-Term Oncologic Outcomes in Oligorecurrent Prostate Cancer Patients Treated with Metastasis-Directed Therapy (the PRECISE-MDT Study)**
Matteo Bauckneht, Francesco Lanfranchi, Domenico Albano, Luca Triggiani, Flavia Linguanti, Luca Urso, Rosario Mazzola, Alessio Rizzo, Elisa D’Angelo, Francesco Dondi, et al.
- 1210** **Prostate-Specific Membrane Antigen–Targeted Imaging and Its Correlation with HOXB13 Expression**
Duminduni Hewa Angappulige, Nimrod S. Barashi, Nicholas Pickersgill, Cody Weimholt, Jingqin Luo, Ghazal Shadmani, Ziad Tarcha, Sampanna Rayamajhi, Nupam P. Mahajan, Gerald L. Andriole, et al.

THERANOSTICS

Clinical

- 1217** **The Role of Fibroblast Activation Protein in Glioblastoma and Gliosarcoma: A Comparison of Tissue, ⁶⁸Ga-FAPI-46 PET Data, and Survival Data**
Christoph Oster, Lukas Kessler, Tobias Blau, Kathy Keyvani, Kim M. Pabst, Wolfgang P. Fendler, Pedro Fragoso Costa, Lazaros Lazaridis, Teresa Schmidt, Jonas Feldheim, et al.
- 1224** **PET/CT-Based Absorbed Dose Maps in ⁹⁰Y Selective Internal Radiation Therapy Correlate with Spatial Changes in Liver Function Derived from Dynamic MRI**
Zhonglin Lu, Daniel F. Polan, Lise Wei, Madhava P. Aryal, Kellen Fitzpatrick, Chang Wang, Kyle C. Cuneo, Joseph R. Evans, Molly E. Roseland, Joseph J. Gemmete, et al.
- 1231** **Clinical Trial Protocol for VIOLET: A Single-Center, Phase I/II Trial Evaluation of Radioligand Treatment in Patients with Metastatic Castration-Resistant Prostate Cancer with [¹⁶¹Tb]Tb-PSMA-I&T**
James P. Buteau, Louise Kostos, Ramin Alipour, Price Jackson, Lachlan McInstosh, Brittany Emmerson, Mohammad B. Haskali, Jing Xie, Elizabeth Medhurst, Rajeev Ravi, et al.
- 1239** **Interreader and Intra-reader Reproducibility of ¹⁸F-Flotufolastat Image Interpretation in Patients with Newly Diagnosed or Recurrent Prostate Cancer: Data from Two Phase 3 Prospective Multicenter Studies**
Phillip H. Kuo, Giuseppe Esposito, Gary A. Ulaner, Don Yoo, Katherine Zukotynski, Gregory C. Ravizzini, Ross Penny, Matthew P. Miller, Albert Chau, Phillip Davis, et al.
- 1244** **Spleen Volume Reduction Is a Reliable and Independent Biomarker for Long-Term Risk of Leukopenia Development in Peptide Receptor Radionuclide Therapy**
Lisa Steinhelfer, Friederike Jungmann, Lukas Endrös, Patrick Wenzel, Bernhard Haller, Manuel Nickel, Eva Haneder, Fabian Geisler, Katharina Götze, Alexander von Werder, et al.

Basic

1250 ■ **FEATURED BASIC SCIENCE ARTICLE.** Synthesis of ⁶⁴Cu-, ⁵⁵Co-, and ⁶⁸Ga-Labeled Radiopharmaceuticals Targeting Neurotensin Receptor-1 for Theranostics: Adjusting In Vivo Distribution Using Multiamine Macrocycles

German O. Fonseca Cabrera, Xinrui Ma, Wilson Lin, Tao Zhang, Weiling Zhao, Liqin Pan, Xiaomei Li, Todd E. Barnhart, Eduardo Aluicio-Sarduy, Huaifu Deng, et al.

1257 Design of a Fibroblast Activation Protein-Targeted Radiopharmaceutical Therapy with High Tumor-to-Healthy-Tissue Ratios

Ramesh Mukkamala, Daniel J. Carlson, Nicholas Kaine Miller, Spencer D. Lindeman, Emily Renee Bowen, Pooja Tudi, Taylor Schleinkofer, Owen C. Booth, Abigail Cox, Madduri Srinivasarao, et al.

RADIOBIOLOGY/DOSIMETRY

Clinical

1264 Dosimetry of [¹⁷⁷Lu]Lu-PSMA-Targeted Radiopharmaceutical Therapies in Patients with Prostate Cancer: A Comparative Systematic Review and Metaanalysis

Zachary Ells, Tristan R. Grogan, Johannes Czernin, Magnus Dahlbom, and Jeremie Calais

1272 Impact of the Reference Multiple-Time-Point Dosimetry Protocol on the Validity of Single-Time-Point Dosimetry for [¹⁷⁷Lu]Lu-PSMA-I&T Therapy

Sandra Resch, Sibylle I. Ziegler, Gabriel Sheikh, Lena M. Unterrainer, Mathias J. Zacherl, Peter Bartenstein, Guido Böning, Julia Brosch-Lenz, and Astrid Delker

CARDIOVASCULAR

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1279 Factors Associated with Myocardial Uptake on Oncologic Somatostatin PET Investigations and Differentiation from Myocardial Uptake of Acute Myocarditis

Thomas Larive, Caroline Boursier, Marine Claudin, Jeanne Varlot, Laura Filippetti, Olivier Huttin, Véronique Roch, Laetitia Imbert, Matthieu Doyen, Aurélien Lambert, et al.

NEUROLOGY

Clinical

1286 Performing [¹⁸F]MFBG Long-Axial-Field-of-View PET/CT Without Sedation or General Anesthesia for Imaging of Children with Neuroblastoma

Lise Borgwardt, Jesper Brok, Kim Francis Andersen, Jacob Madsen, Nicholas Gillings, Marie Øbro Fosbøl, Charlotte Lund Denholt, Ida Nymann Petersen, Louise Sørup Sørensen, Lotte Hahn Enevoldsen, et al.

Basic

1293 Noninvasive Diagnostic Method to Objectively Measure Olfaction and Diagnose Smell Disorders by a Molecularly Targeted Fluorescence Imaging Agent

Dauren Adilbay, Junior Gonzales, Marianna Zazhytska, Paula Demetrio de Souza Franca, Sheryl Roberts, Tara D. Viray, Raik Artschwager, Snehal Patel, Albana Kodra, Jonathan B. Overvest, et al.

MOLECULAR IMAGING

Basic

1301 *h*HEPATO-Cy5, a Bimodal Tracer for Image-Guided Hepatobiliary Surgery

Daphne D.D. Rietbergen, Tessa Buckle, Leon J. Slof, Maarten P. van Meerbeek, Clarize M. de Korne, Mick M. Welling, Matthias N. van Oosterom, Kevin Bauwens, Meta Roestenberg, Julia Kloetzel, et al.

AI/ADVANCED IMAGE ANALYSIS

Basic

1307 RadShap: An Explanation Tool for Highlighting the Contributions of Multiple Regions of Interest to the Prediction of Radiomic Models

Nicolas Captier, Fanny Orhac, Narinée Hovhannisyann-Baghdasarian, Marie Luporsi, Nicolas Girard, and Irène Buvat

PHYSICS AND INSTRUMENTATION

Clinical

1313 Validation and Evaluation of a Vendor-Provided Head Motion Correction Algorithm on the uMI Panorama PET/CT System

Fei Kang, Zhaojuan Xie, Wenhui Ma, Zhiyong Quan, Guiyu Li, Kun Guo, Xiang Li, Taoqi Ma, Weidong Yang, Yizhang Zhao, et al.

1320 ■ **FEATURED ARTICLE OF THE MONTH.** Performance Characteristics of the NeuroEXPLORER, a Next-Generation Human Brain PET/CT Imager

Hongdi Li, Ramsey D. Badawi, Simon R. Cherry, Kathryn Fontaine, Liuchun He, Shannan Henry, Ansel T. Hillmer, Lingzhi Hu, Nikkita Khattar, Edwin K. Leung, et al.

THE ILLUSTRATED POST

1327 Brain Metabolic Correlates of the Off-Target Effects of Enzalutamide on the Central Nervous System of Patients with Advanced Prostate Cancer

Matteo Bauckneht, Giuseppe Fornarini, Tania Di Raimondo, Matteo Pardini, Maria Isabella Donegani, Giuseppe Luigi Banna, Massimo Di Maio, and Silvia Morbelli

1328 [⁶⁸Ga]Ga-FAPI-46 False-Positive Uptake After Chemotherapy in Nonseminomatous Germ Cell Tumor Metastatic Lesions

Vinicius Ludwig, Peter George Maliha, John Shen, David Tonnelet, Steve Raman, Mark S. Litwin, and Jeremie Calais

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1330 Nuclear Pharmacy Training in the Era of Theranostics: Toward Meeting the Needs of Nuclear Medicine Patients for Comprehensive Pharmaceutical Care

Isabelle Laverdière, Gilbert Matte, Martin Darveau, and Jean-Mathieu Beaugregard

DEPARTMENT

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