

EDITOR'S PAGE

- 503 Amyloid Imaging–Based Food and Drug Administration Approval of Lecanemab to Treat Alzheimer Disease—What Lasts Long Finally Becomes Good?**

Henryk Barthel

DISCUSSIONS WITH LEADERS

- 505 Nuclear Medicine from a Novel Perspective: Buvat and Weber Talk with OpenAI's ChatGPT**

Irène Buvat and Wolfgang Weber

STATE OF THE ART

- 508 Functional Imaging of Chemobrain: Usefulness of Nuclear Medicine in the Fog Coming After Cancer**

Agostino Chiaravallotti, Luca Filippi, Marco Pagani, and Orazio Schillaci

CONTINUING EDUCATION

- 515 Role of ¹⁸F-FDG PET/CT in Large Vessel Vasculitis and Polymyalgia Rheumatica**

Riemer H.J.A. Slart, Pieter H. Nienhuis, Andor W.J.M. Glaudemans, Elisabeth Brouwer, Olivier Gheysens, and Kornelis S.M. van der Geest

HOT TOPICS

- 522 The Latest Advances in Peptide Receptor Radionuclide Therapy for Gastroenteropancreatic Neuroendocrine Tumors**

Elif Hindié, Eric Baudin, Rodney J. Hicks, and David Taëb

APPROPRIATE USE CRITERIA

- 525 Summary: Appropriate Use Criteria for Lymphoscintigraphy in Sentinel Node Mapping and Lymphedema/Lipedema**

Kevin J. Donohoe, Brett J. Carroll, David K. V. Chung, Elizabeth H. Dibble, Emilia Diego, Francesco Giammarile, Frederick D. Grant, Stephen Y. Lai, Hannah Linden, Megan E. Miller, et al.

ONCOLOGY

Clinical

- 529 Real-Life Experience in the Treatment of Intrahepatic Cholangiocarcinoma by ⁹⁰Y Radioembolization: A Multicenter Retrospective Study**

Benedikt M. Schaarschmidt, Roman Kloeckner, Thomas Dertnig, Aydin Demircioglu, Lukas Müller, Timo Alexander Auer, Daniel Pinto dos Santos, Verena Steinle, Matthias Miederer, Bernhard Gebauer, et al.

- 536 Prognostic Value of ¹⁸F-FDG PET/CT in Diffuse Large B-Cell Lymphoma Treated with a Risk-Adapted Immunochemotherapy Regimen**

Laure Michaud, Kurt Bantilan, Audrey Mauguen, Craig H. Moskowitz, Andrew D. Zelenetz, and Heiko Schöder

Basic

- 542 ■ FEATURED BASIC SCIENCE ARTICLE. Cure of Disseminated Human Lymphoma with [¹⁷⁷Lu]Lu-Ofatumumab in a Preclinical Model**

Kyuhwan Shim, Mark S. Longtine, Diane S. Abou, Mark J. Hoegger, Richard S. Laforest, Daniel L.J. Thorek, and Richard L. Wahl

- 549 ²²⁵Ac-MACROPATATE: A Novel α -Particle Peptide Receptor Radionuclide Therapy for Neuroendocrine Tumors**

A. Paden King, Nicholas T. Gutsche, Natarajan Raju, Stanley Fayn, Kwamena E. Baidoo, Meghan M. Bell, Colleen S. Olkowski, Rolf E. Swenson, Frank I. Lin, Samira M. Sadowski, et al.

- 555 Preclinical Evaluation of ⁸⁹Zr-Desferrioxamine-Bexmarilimab, a Humanized Antibody Against Common Lymphatic Endothelial and Vascular Endothelial Receptor-1, in a Rabbit Model of Renal Fibrosis**

Olli Moisio, Jenni Virta, Emrah Yatkin, Heidi Liljenbäck, Senthil Palani, Riikka Viitanen, Maxwell W.G. Miner, Vesa Oikonen, Tuula Tolvanen, Danielle J. Vufts, et al.

THERANOSTICS

Clinical

- 561 Radioiodine Ablation of Thyroid Remnants in Patients with Graves' Orbitopathy**

Michael Overhaus, Jana Koenen, Nikolaos Bechrakis, Mareile Stöhr, Ken Herrmann, Wolfgang P. Fendler, Anja Eckstein, and Manuel Weber

- 567 ■ FEATURED ARTICLE OF THE MONTH. Interim Analysis of a Prospective Validation of 2 Blood-Based Genomic Assessments (PPQ and NETest) to Determine the Clinical Efficacy of ¹⁷⁷Lu-DOTATATE in Neuroendocrine Tumors**

Lisa Bodei, Nitya Raj, Richard K. Do, Audrey Mauguen, Simone Krebs, Diane Reidy-Lagunes, and Heiko Schöder

- 574 ■ BRIEF COMMUNICATION. Safety and Survival Outcomes of ¹⁷⁷Lu-Prostate-Specific Membrane Antigen Therapy in Patients with Metastatic Castration-Resistant Prostate Cancer with Prior ²²³Ra treatment: The RALU Study**

Kambiz Rahbar, Markus Essler, Kim M. Pabst, Matthias Eiber, Christian la Fougère, Vikas Prasad, Philipp Rassek, Ergela Hasa, Helmut Dittmann, Ralph A. Bundschuh, et al.

- 579 Phase III Study of ¹⁸F-PSMA-1007 Versus ¹⁸F-Fluorocholine PET/CT for Localization of Prostate Cancer Biochemical Recurrence: A Prospective, Randomized, Crossover Multicenter Study**

Pierre Olivier, Anne-Laure Giraudet, Andrea Skanjeti, Charles Merlin, Pierre Weinmann, Ines Rudolph, Alexander Hoepfing, and Mathieu Gauthé

- 586 Differences in Failure-Free Survival After Salvage Radiotherapy Guided by Conventional Imaging Versus ¹⁸F-Fluciclovine PET/CT in Postprostatectomy Patients: A Post Hoc Substratification Analysis of the EMPIRE-1 Trial**

Ismahel O. Lawal, Ashesh B. Jani, Omotayo A. Adediran, Subir Goyal, Olayinka A. Abiodun-Ojo, Vishal R. Dhare, Charles V. Marcus, Shreyas S. Joshi, Viraj A. Master, Preteesh R. Patel, et al.

- 592 A Pilot Study of ⁶⁸Ga-PSMA11 and ⁶⁸Ga-RM2 PET/MRI for Evaluation of Prostate Cancer Response to High-Intensity Focused Ultrasound Therapy**

Heying Duan, Pejman Ghanouni, Bruce Daniel, Jarrett Rosenberg, Guido A. Davidzon, Carina Mari Aparici, Christian Kunder, Geoffrey A. Sonn, and Andrei Iagaru

- 598** ¹⁸F-PSMA Cerenkov Luminescence and Flexible Autoradiography Imaging in a Prostate Cancer Mouse Model and First Results of a Radical Prostatectomy Feasibility Study in Men
Pedro Fragoso Costa, Lukas Püllen, Claudia Kesch, Ulrich Krafft, Stephan Tschirdewahn, Alexandros Moraitis, Jan Philipp Radtke, Saskia Ting, Michael Nader, Jasmin Wosniack, et al.
- 605** Prognostic Value of Tumor Volume Assessment on PSMA PET After ¹⁷⁷Lu-PSMA Radioligand Therapy Evaluated by PSMA PET/CT Consensus Statement and RECIP 1.0
Felix Kind, Ann-Christin Eder, Cordula A. Jilg, Philipp E. Hartrampf, Philipp T. Meyer, Juri Ruf, and Kerstin Michalski
- 611** A Single-Arm, Low-Dose, Prospective Study of ¹⁷⁷Lu-EB-PSMA Radioligand Therapy in Patients with Metastatic Castration-Resistant Prostate Cancer
Guochang Wang, Jie Zang, Yuanyuan Jiang, Qingxing Liu, Huimin Sui, Rongxi Wang, Xinrong Fan, Jingjing Zhang, Zhaohui Zhu, and Xiaoyuan Chen
- 618** Three-Time-Point PET Analysis of ⁶⁸Ga-FAPI-46 in a Variety of Cancers
Mahnoosh Naeimi, Peter L. Choyke, Katharina Dendl, Yuriko Mori, Fabian Staudinger, Tadashi Watabe, Stefan A. Koerber, Manuel Röhrich, Jürgen Debus, Clemens Kratochwil, et al.
- 623** ■ INVITED PERSPECTIVE. Could FAP-Targeted Molecular Imaging Replace ¹⁸F-FDG for Standard-of-Care Oncologic PET?
Raghava Kashyap and Aravind S. Ravi Kumar
- 625** Response Prediction Using ¹⁸F-FAPI-04 PET/CT in Patients with Esophageal Squamous Cell Carcinoma Treated with Concurrent Chemoradiotherapy
Xinying Hu, Tao Zhou, Jiazhong Ren, Jinghao Duan, Hongbo Wu, Xiaoli Liu, Zhengshuai Mu, Ning Liu, Yuchun Wei, and Shuanghu Yuan
- 632** ¹⁸F-AIF-NOTA-Octreotide Outperforms ⁶⁸Ga-DOTATATE/ NOC PET in Neuroendocrine Tumor Patients: Results from a Prospective, Multicenter Study
Elin Pauwels, Frederik Cleeren, TERENCE Tshibangu, Michel Koole, Kim Serdons, Lennert Boeckxstaens, Jeroen Dekervel, Timon Vandamme, Willem Lybaert, Bliede Van den Broeck, et al.

Basic

- 639** Preclinical Evaluation of ⁶⁸Ga- and ¹⁷⁷Lu-Labeled Integrin $\alpha_v\beta_6$ -Targeting Radiotheranostic Peptides
Tanushree Ganguly, Nadine Bauer, Ryan A. Davis, Cameron C. Foster, Rebecca E. Harris, Sven H. Hausner, Emilie Roncali, Sarah Y. Tang, and Julie L. Sutcliffe

CARDIOVASCULAR

Clinical

- 645** Myocardial External Efficiency in Asymptomatic Severe Primary Mitral Regurgitation Using ¹¹C-Acetate PET
Jens Sorensen, Johannes Bergsten, Tomasz Baron, Lovisa Holm Orndahl, Tanja Kero, Tomas Bjerner, Eva-Maria Hedin, Hendrik J. Harms, Rafael Astudillo, and Frank A. Flachskampf

AI/ADVANCED IMAGE ANALYSIS

Basic

- 652** Deep Learning Coronary Artery Calcium Scores from SPECT/CT Attenuation Maps Improve Prediction of Major Adverse Cardiac Events
Robert J.H. Miller, Konrad Pieszko, Aakash Shanbhag, Attila Feher, Mark Lemley, Aditya Killekar, Paul B. Kavanagh, Serge D. Van Kriekinge, Joanna X. Liang, Cathleen Huang, et al.

PHYSICS AND INSTRUMENTATION

Basic

- 659** Fast and Accurate Amyloid Brain PET Quantification Without MRI Using Deep Neural Networks
Seung Kwan Kang, Daewoon Kim, Seong A Shin, Yu Kyeong Kim, Hongyoon Choi, and Jae Sung Lee

ILLUSTRATED POST

- 667** Detecting CXCR4 Expression in Meningioma on ⁶⁸Ga-Pentixafor PET/MRI
Simone Krebs, Jazmin Schwartz, Christian Grommes, Robert J. Young, Heiko Schöder, and Marius E. Mayerhoefer

DEPARTMENTS

9A Recruitment

10A This Month in JNM