

Discussions with leaders: Ken Herrmann, MD, MBA, and Michael Hofman, MBBS, FRACP, talk with Declan Murphy, FRACS, FRCS, about his career in genitourinary oncology and widely influential outreach activities in social media. **Page 1783**

FAPI PET/CT in nonmalignant diseases: Schmidkonz and colleagues offer a comprehensive review of fibroblast-activation protein inhibitor imaging in nonmalignant diseases to clarify current and potential roles of this class of molecules in nuclear medicine. **Page 1786**

FDA approval for theranostic agents: Perera and Morris present an educational overview of regulatory approval for novel radiopharmaceutical agents, including the importance of trial design for agents targeting prostate cancer and regulatory experience with ^{223}Ra and ^{177}Lu -PSMA-617. . . . **Page 1793**

Nanoparticle diagnostics and theranostics: Pallares and colleagues provide an overview of nanoparticle-based imaging agents in the clinic and discuss preclinical progress and translational avenues for use in diagnostic and theranostic applications. **Page 1802**

Histopathologic validation of ^{18}F -rhPSMA PET: Kroenke and colleagues investigate the accuracy and predictive value of 2 PSMA-targeting radiopharmaceuticals in assessment of lymph node metastases as validated by histopathology. **Page 1809**

PSMA PET/CT for therapy assessment: Denis and colleagues use recent European recommendations to compare response assessment to a novel hormonal agent for metastatic castration-resistant prostate cancer between PSMA PET/CT and conventional imaging. **Page 1815**

Initial ^{68}Ga -PSMA-11 PET and outcomes: Moradi and colleagues examine the prognostic value of ^{68}Ga -PSMA-11 uptake in the primary lesion and presence of metastatic disease on PET in newly diagnosed prostate cancer before initial therapy. **Page 1822**

^{68}Ga -RM2 PET in primary prostate cancer: Duan and colleagues compare preoperative ^{68}Ga -RM2 PET, targeting gastrin-releasing peptide receptors, with postsurgery histopathology in patients with newly diagnosed intermediate- or high-risk prostate cancer. **Page 1829**

Setting up a theranostics center: Herrmann and members of a joint European Association of Nuclear Medicine, SNMMI, and International Atomic Energy Agency advisory group provide an enabling guide for radiopharmaceutical stakeholders interested in establishing dedicated theranostics centers. **Page 1836**

Repetitive ^{68}Ga -FAPI PET acquisition: Glattig and colleagues report on the diagnostic value of repetitive early PET imaging with ^{68}Ga -FAPI-02, ^{68}Ga -FAPI-46, and ^{68}Ga -FAPI-74 for malignant, inflammatory/reactive, and degenerative lesions and describe implications for future ^{68}Ga -FAPI imaging. **Page 1844**

FAP ligand with prolonged tumor uptake: Galbiati and colleagues detail the development and in vivo characterization of BiOncoFAP, a new dimeric fibroblast-activation protein-binding motif with extended tumor residence time and favorable tumor-to-organ ratios. **Page 1852**

α -Particle and immunocytokine therapy: Minix and colleagues investigate tumor reduction and survival outcomes with low-dose targeted α -therapy followed by a 4-dose immunocytokine regimen in mouse breast and colon cancer tumor models. **Page 1859**

PET/CT for SiNET staging: Ouvrard and colleagues compare the respective values of ^{68}Ga -DOTATOC and ^{18}F -DOPA PET/CT for initial staging or presurgical work-up of patients with small-intestine neuroendocrine tumors. **Page 1865**

First-in-humans tissue factor PET: Loft and colleagues report on PET imaging with an ^{18}F -radiolabeled active-site inhibited version of the tissue factor natural ligand coagulation factor VII and describe its potential as a diagnostic companion for tissue-factor-targeted therapies. **Page 1871**

HDL PET and esophageal cancer: Zheng and colleagues use a multimodal imaging approach to assess tumor uptake of exogenously administered, ^{89}Zr -labeled high-density lipoprotein nanoparticles in patients with esophageal cancer. . . . **Page 1880**

PET/CT and head and neck cancer staging: Subramaniam and colleagues look at multicenter interobserver agreement and accuracy in ^{18}F -FDG PET/CT imaging for staging of clinical N0 neck in head and neck cancer. **Page 1887**

^{166}Ho radioembolization in HCC: Reinders and colleagues establish the toxicity profile of ^{166}Ho radioembolization in patients with measurable, liver-dominant hepatocellular carcinoma and no or very limited curative treatment options. **Page 1891**

PET and GI graft-vs.-host disease: Cherk and colleagues explore the diagnostic utility of ^{18}F -FDG PET/CT in noninvasive assessment of patients with clinically suspected acute graft-versus-host disease of the gastrointestinal tract associated with allogeneic hemopoietic stem cell transplantation. **Page 1899**

Cardiac amyloidosis in bone scan referrals: Nitsche and colleagues assess cardiac amyloidosis prevalence and outcomes in a large population referred for $^{99\text{m}}\text{Tc}$ -DPD bone scintigraphy over a decade-long period. **Page 1906**

PET imaging of GluN2B-NMDA: Ahmed and colleagues report on in vivo characterization of ^{18}F -OF-NB1 derivatives in nonhuman primates and comment on the potential for imaging of glutamate receptor subtype 2B-containing *N*-methyl-D-aspartate receptors in several neuropathologies. **Page 1912**

Evaluation of ^{18}F -PF-06445974: Wakabayashi and colleagues investigate the properties of the newly developed phosphodiesterase-4-selective radioligand ^{18}F -PF-06445974 in the brains of rodents, monkeys, and humans. . . . **Page 1919**

PET MIP prognostic biomarkers in DLBCL: Girum and colleagues explore whether total metabolic tumor volume and tumor dissemination can be replaced by artificial intelligence-generated surrogate features from maximum-intensity projections of whole-body ^{18}F -FDG PET in diffuse large B-cell lymphoma. **Page 1925**

Machine learning in sarcoidosis and lymphoma: Lovinfosse and colleagues describe development and validation of radiomics signatures to differentiate sarcoidosis from Hodgkin lymphoma and diffuse large B-cell lymphoma. **Page 1933**

PET/CT multiorgan segmentation: Shiyam Sundar and colleagues introduce multiple-organ objective segmentation software that generates subject-specific, multiorgan segmentation using data-centric artificial intelligence principles to facilitate high-throughput systemic investigations via whole-body PET imaging. **Page 1941**

Development of fluorinated NP-59: Brooks and colleagues prepare and evaluate an ^{18}F analog of the ^{131}I scintiscanning/SPECT agent NP-59 to serve as a PET agent for functional imaging of the adrenal glands based on cholesterol use. **Page 1949**

^{68}Ga -FAPI PET for staging liver fibrosis: Pirasteh and colleagues research the utility of PET in staging liver fibrosis by correlating liver uptake of ^{68}Ga -labeled fibroblast-activation protein inhibitor with histology in a human-sized swine model. **Page 1956**

Pediatric PET without sedation: Reichkendler and colleagues report on fast and flexible long-axial-field-of-view ^{18}F -FDG PET/CT acquisition in an unanesthetized 17-mo old with suspected incomplete Kawasaki disease. **Page 1962**