



## Dear Sirs and Madams,

I am glad to introduce the first issue of "Nuclear Medicine Review" in the New Year 2017. It includes seven original papers together with interesting reviews and cases. Finally, we have a waiting list of papers to be published (DOI system). We do our utmost to improve the quality and the above facts are the steps into the right direction.

The chapter "Original articles" opens the paper written by Macedonian colleagues, who stressed the importance of SPECT imaging for carotid atherosclerosis in selected diabetes type 2 patients. The second paper from Iran proves that medical diagnosis of the SPECT images of the phantom showed that the system with BGO scintillator crystal has potentially provided a better detectability for hot and cold lesions in liver of extended Cardiac-Torso phantom than other crystals. Simple and low-cost methods for Cyclone® Plus quality controls, which can be useful to evaluate the performance measurement of this imaging system are described by Italian researches in the third paper. It appears that the wash-out technique in pre-operative <sup>99m</sup>Tc-MIBI scintigraphy, analyzed in the next article from Szczecin/Poland, is effective in detecting lesions of the parathyroid in patients with primary hyperparathyroidism. Parathyroid cancers in semi-quantitative analysis were characterized by a slightly higher tumour to background ratio (TBR). Histopathology results are significantly associated with TBR and the level of parathormone. The next paper, from Medical University of Lodz, Poland, is titled "Comparison of shortened gated myocardial perfusion imaging processed with „Myovation Evolution with full time study".. The authors conclude that the Myovation Evolution protocol used for the reconstruction of myocardial perfusion studies with reduced number of counts requires correction of attenuation. Disagreements observed during the visual assessment of normal and reduced count studies are statistically insignificantly larger than between dual assessment of a full count study. In the sixth article researchers from South Korea discovered that there

is a correlation of the hypoxia-inducible transcription factor-1 alpha in breast cancer and SUVmax of F-18 FDG PET/CT. It can be used as a good surrogate marker for the prediction of progression in patients with invasive ductal cancer. The amount of FDG uptake is determined by the presence of glucose metabolism and hypoxia in breast cancer cell. In addition, the authors of the original paper of this issue, which originates from Łódź /Poland prove that parametric clearance images enhance diagnostic potential of a dynamic renal scintigraphy with detection of local function defects. These images allow to detect more local renal function defects than summation of images obtained from radiopharmaceutical uptake phase.

The Review chapter consists of two informative articles: "Breast cancer: Early diagnosis and effective treatment by drug delivery tracing" (from Iran) and "Radioguided Surgery with radiolabeled somatostatin analogues: not only in GEP-NETs" (from Italy).


Lastly, I would like to present a new form of clinical cases chapter, called clinical vignette. The change of edition was made due to the improved scientific quality of our journal. This part of Nuclear Medicine Review consists of four exciting clinical pictures.

Last but not least, I would like to thank all the authors and reviewers of Nuclear Medicine Review for their effort to make our journal more valuable.

Dear authors, reviewers and readers, I wish you all a Happy New Year!

Yours faithfully,

Grzegorz Kamiński



Editor-in-Chief  
 Nuclear Medicine Review