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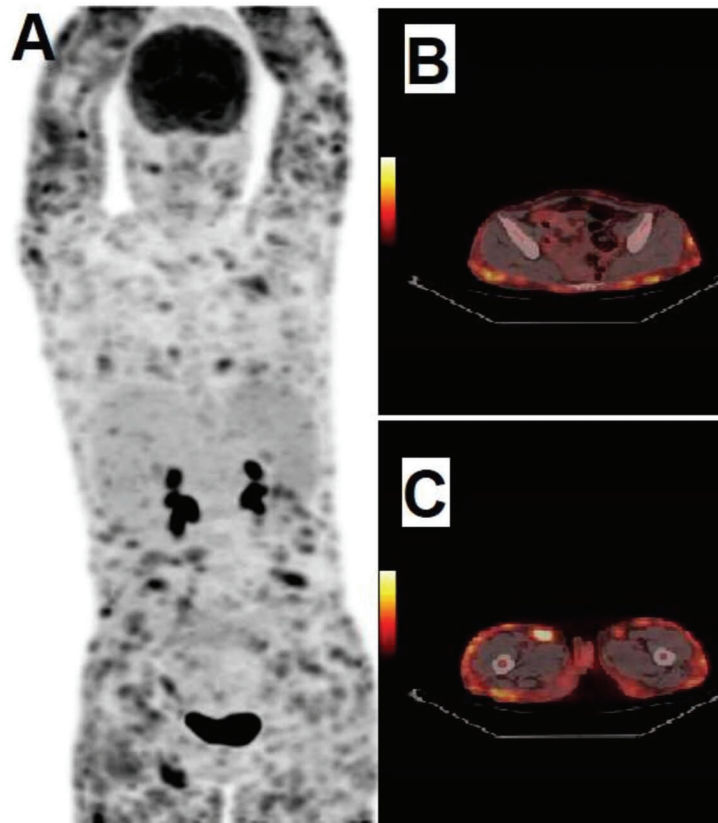
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E-mail: tevfik.cermik@sbu.edu.tr

ORCID ID: 0000-0001-7622-7277

Publishing Manager**Prof. Murat Fani Bozkurt, MD.**

FEBNM Hacettepe University, Medical School, Department of Nuclear Medicine, Ankara, Turkey

E-mail: fanibozkurt@gmail.com

ORCID ID: 0000-0003-2016-2624

Editor in Chief**Prof. Murat Fani Bozkurt, MD.**

FEBNM Hacettepe University, Medical School, Department of Nuclear Medicine, Ankara, Turkey

E-mail: fanibozkurt@gmail.com

ORCID ID: 0000-0003-2016-2624

Associate Editors**Prof. Tanju Yusuf Erdil, MD.**

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Cinnah Caddesi Pilot Sokak No: 10/12 Çankaya 06650 Ankara, Turkey Phone: +90 312 441 00 45 Fax: +90 312 441 12 95 Web: www.tsnm.org E-mail: dernekmerkezi@tsnm.org

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ABOUT US

Molecular Imaging and Radionuclide Therapy (formerly Turkish Journal of Nuclear Medicine) is the official publication of Turkish Society of Nuclear Medicine.

Focus and Scope

Molecular Imaging and Radionuclide Therapy (Mol Imaging Radionucl Ther, MIRT) is a double-blind peer-review journal published in English language. It publishes original research articles, invited reviews, editorials, short communications, letters, consensus statements, guidelines and case reports with a literature review on the topic, in the field of molecular imaging, multimodality imaging, nuclear medicine, radionuclide therapy, radiopharmacy, medical physics, dosimetry and radiobiology. MIRT is published three times a year (February, June, October). Audience: Nuclear medicine physicians, medical physicists, radiopharmaceutical scientists, radiobiologists.

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Correspondence Address

Editor in Chief Prof. Murat Fani Bozkurt, MD, FEBNM Hacettepe University, Medical School, Department of Nuclear Medicine, Ankara, Turkey

E-mail: fanibozkurt@gmail.com

Web page: <http://mirt.tsnmjournals.org/>

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Molecular Imaging and Radionuclide Therapy (Mol Imaging Radionucl Ther, MIRT) publishes original research articles, short communications, invited reviews, editorials, case reports with a literature review on the topic, interesting images, consensus statements, guidelines, letters in the field of molecular imaging, multimodality imaging, nuclear medicine, radionuclide therapy, radiopharmacy, medical physics, dosimetry and radiobiology. MIRT is published by the Turkish Society of Nuclear Medicine three times a year (February, June, October).

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Lang TF, Duryea J. Peripheral Bone Mineral Assessment of the Axial Skeleton: Technical Aspects. In: Orwoll ES, Bliziotes M (eds). *Osteoporosis: Pathophysiology and Clinical Management*. New Jersey, Humana Press Inc, 2003;83-104.

Books: Greenspan A. *Orthopaedic Radiology a Practical Approach*. 3th ed. Philadelphia, Lippincott Williams Wilkins 2000, 295-330.

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Cinnah Caddesi Pilot Sokak No:10/12 06650 Çankaya / Ankara, Turkey

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