

Department of Biophysics

Supervisors

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Research Areas:

- Imaging FDG-PET/CT
- Effect of Extremely low frequency electromagnetic fields on cell lines
- Combined effects of adjuvant chemicals (paclitaxel, aminopyridine, viscotoxin) on breast cancer and their effect on mitochondria
- G-protein coupled Receptor expression, signal transduction pathways
- Muscarinic Receptor expression in cancer cell lines
- Gene expression and signal transduction in post traumatic stress
- Mutations in Hypertension and migraine
- Toxicity of newly synthesized chemicals in cancer cell lines
- Effect of anticancer drug ethadolac on cell lines
- Catecholamine polymorphism in hypertensive patients
- Effect of apoptotic proteins on cervix and rectal carcinoma patients
- Variation of telomeric shelter complex expression with radiation and type of cancer

Recent Publications (2013- 2016)

- Ozguven S, Ones T, Yilmaz Y, Turoglu HT, Imeryuz N. The role of active brown adipose tissue in human metabolism. Eur J Nucl Med Mol Imaging. 2016 Feb;43(2):355-61. doi: 10.1007/s00259-015-3166-7. Epub 2015 Aug 19. PMID: 26283505
- Alibaz-Oner F, Dede F, Ones T, Turoglu HT, Direskeneli H. Patients with Takayasu's arteritis having persistent acute-phase response usually have an increased major vessel uptake by 18F-FDG-PET/CT. Mod Rheumatol. 2015 Sep;25(5):752-5. doi: 10.3109/14397595.2015.1012798. Epub 2015 Jun 12.
- Aras, Mustafa MD*; Dede, Fuat MD*; Dane, Faysal MD[†]; Aktas, Bilge MD[†]; Turoglu,

Halil Turgut FDG PET/CT Appearance of Portal Vein Tumor Thrombus in the Gastric Primitive Neuroectodermal Tumor: Uncommon Primary Tumor Site With Rare Finding Clinical Nuclear Medicine: January 2013 - Volume 38 - Issue 1 - p 47–49

- Ozguven, Salih MD; Aras, Mustafa MD; Dede, Fuat MD; Ones, Tunc MD; Turoglu, Halil Turgut MD Scrotal Peritoneal Mesothelioma on PET/CT Clinical Nuclear Medicine: December 2014 - Volume 39 - Issue 12 - p 1045–1046
- Dede F, Civen H, Dane F, Aliustaoglu M, Turhal S, Turoglu HT, Inanir S. Carbon-14 urea breath test: does it work in patients with partial gastric resection? Ann Nucl Med (2015) 29: 786. doi:10.1007/s12149-015-1005-3
- Aktaş GE, Turoğlu HT, Erdil TY, İnanır S, Dede F Long-Term Results of Fixed High-Dose I-131 Treatment for Toxic Nodular Goiter: Higher Euthyroidism Rates in Geriatric Patients. Mol Imaging Radionucl Ther. 2015 Oct 5;24(3):94-9. doi: 10.4274/mirt.57060.PMID:27529883
- Ozguven S, Inanir S, Turoglu HT, Erdil TY, Ugurlu MU, Gulluoglu B. 2-(fluorine-18)-fluoro-2-deoxy-D-glucose positron emission tomography/computed tomography after breast conserving surgery: Correlation with molecular markers of breast cancer. Indian J Nucl Med. 2016 Jul-Sep;31(3):166-71. doi: 10.4103/0972-3919.181848. PMID:27385883
- Aras M, Dede F, Ones T, Inanir S, Erdil TY, Turoglu HT. -Evaluation of physiological FDG uptake in the skeleton in adults: is it uniformly distributed? Rev Esp Med Nucl Imagen Mol. 2014 Sep-Oct;33(5):286-9. doi: 10.1016/j.remn.2014.03.007. Epub 2014 Jun 18. PMID:24950889
- Ozguven S, Maleki R, Ones T, Inanir S, Erdil TY, Turoglu HT. Invasive urothelial carcinoma detected in bladder diverticulum with FDG PET/CT: a rare case with negative cystoscopy. Rev Esp Med Nucl Imagen Mol. 2014 Nov-Dec;33(6):399-400. doi: 10.1016/j.remn.2013.11.007. Epub 2014 Apr 3. No abstract available. PMID: 24703992
- Aras M, Ones T, Dane F, Noshari O, Inanir S, Erdil TY, Turoglu HT. False Positive FDG PET/CT Resulting from Fibrous Dysplasia of the Bone in the Work-Up of a Patient with Bladder Cancer: Case Report and Review of the Literature. Iran J Radiol. 2012 Dec;10(1):41-4. doi: 10.5812/iranjradiol.10303. Epub 2012 Dec 27. PMID:23599713
- Aktaş GE, Turoğlu HT, Erdil TY, İnanır S, Dede F Long-Term Results of Fixed High-Dose I-131 Treatment for Toxic Nodular Goiter: Higher Euthyroidism Rates in Geriatric Patients. Mol Imaging Radionucl Ther. 2015 Oct 5;24(3):94-9. doi: 10.4274/mirt.57060.PMID:27529883
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- Ozguven S, Dede F, Erdil TY, Turoglu HT. Marked uptake of fluorodeoxyglucose in a vocal cord after medialization: Acute and subacute positron emission tomography/computed tomography findings. *Indian J Nucl Med.* 2014 Oct;29(4):289-90. doi: 10.4103/0972-3919.142656. PMID:25400381
- Aras M, Dede F, Ones T, Inanir S, Erdil TY, Turoglu HT. -Evaluation of physiological FDG uptake in the skeleton in adults: is it uniformly distributed? *Rev Esp Med Nucl Imagen Mol.* 2014 Sep-Oct;33(5):286-9. doi: 10.1016/j.rem.2014.03.007. Epub 2014 Jun 18. PMID:24950889
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- Aras M, Erdil TY, Ones T, Dede F, Turoglu HT. (99m)Tc-MIBI emboli in the lungs detected on SPECT/CT: a pitfall in parathyroid scan. *Clin Nucl Med.* 2014 Feb;39(2):196-7. doi: 10.1097/RLU.0000000000000302. PMID:24300351
- Aras M, Ones T, Dane F, Noshari O, Inanir S, Erdil TY, Turoglu HT. False Positive FDG PET/CT Resulting from Fibrous Dysplasia of the Bone in the Work-Up of a Patient with Bladder Cancer: Case Report and Review of the Literature. *Iran J Radiol.* 2012 Dec;10(1):41-4. doi: 10.5812/iranjradiol.10303. Epub 2012 Dec 27. PMID:23599713
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