Scintigraphic visualization of ocular melanoma with Tc-99m glutathione

Ahmet Tutus,*,† Kuddusi Erkilic,*,‡ Meral T. Ercan,*,‡ Olgun Kontas,*,‡ Mehmet Aydin*,* and Hakkı Doğan*‡

Departments of *¹Nuclear Medicine, *²Ophthalmology and *³Pathology,
Faculty of Medicine, Erzurum University, Kars, and Department
of *²Nuclear Medicine, Faculty of Medicine, Hacettepe University, Ankara, Turkey

In a patient with ocular melanoma scintigraphy obtained with ⁹⁹ᵐTc-GSH clearly demonstrated the histologically proven ocular lesion both in planar and SPECT images. ⁹⁹ᵐTc-sestamibi study obtained in the same patient three days later was negative. ⁹⁹ᵐTc-GSH is a potential alternative to the currently used radiopharmaceuticals for imaging both cutaneous and ocular melanomas and their metastases.

Key words: ⁹⁹ᵐTc-GSH, ⁹⁹ᵐTc-sestamibi, ocular melanoma