Thyroid hemiagenesis: a report of three cases and review of the literature

Gülgün Büyükdereli, Isa Burak Guney, Mustafa Kibar and Cem Kinacı

Department of Nuclear Medicine, Çukurova University Faculty of Medicine, Adana, Turkey International Medical Center, Mersin, Turkey

Thyroid hemiagenesis resulting from the failure of embryologic development of one thyroidal lobe is a very rare anomaly. It is usually incidentally discovered during the investigation of accompanying thyroid disorders. Here we report three cases with right lobe agenesis in two patients and left lobe agenesis in one patient. Two of them were hyperthyroid, while the other euthyroid patient had a thyroid mass.

Key words: thyroid hemiagenesis, multinodular goiter, hyperthyroidism