

Incidental Meningioma on ^{68}Ga -DOTANOC Positron-Emission Tomography

Sir,

A 45-year-old woman was being evaluated for suspected recurrence of right adrenocortical carcinoma. She had undergone right mastectomy with adjuvant chemoradiation, 2 years earlier for carcinoma breast. On follow-up, computed tomography (CT) of the abdomen showed an enhancing right suprarenal mass which was revealed as adrenocortical carcinoma after excision. Six-month postsurgery, ^{68}Ga -DOTANOC positron-emission tomography/computed tomography (PET/CT) for suspected disease recurrence showed [Figure 1] a focus of tracer activity in the head (arrow), superior to the physiologic tracer uptake in the pituitary (A, maximum intensity projection image). Corresponding transaxial CT (B) and fused PET/CT (C) images showed a tracer avid (standardized uptake value-max 12.1), dural-based enhancing lesion in the left frontal cortex, diagnosed as meningioma. The patient

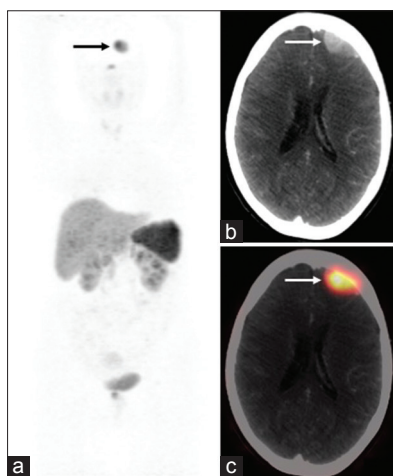


Figure 1: ^{68}Ga -DOTANOC positron-emission tomography/computed tomography; (a) maximum intensity projection image showing focus of tracer uptake in the head, slightly to the left of midline (arrow); (b) transaxial computed tomography image showing dural-based enhancing lesion in the left frontal cortex (arrow); (c) transaxial fused positron-emission tomography/computed tomography image showing tracer uptake in the dural-based lesion (arrow)

was asymptomatic and is on follow-up. Meningiomas are slow-growing tumors and express somatostatin receptors. Although the CT characteristics are consistent, the additional avidity on ^{68}Ga -DOTANOC PET imaging adds on to the diagnostic confidence.

Financial support and sponsorship

Nil.

Conflicts of interest

There are no conflicts of interest.

**Ashwin Singh Parihar,
Rajender Kumar Basher, Nivedita Rana,
Bhagwant Rai Mittal**

Department of Nuclear Medicine and PET, Postgraduate Institute of Medical Education and Research, Chandigarh, India

*Address for correspondence: Dr. Bhagwant Rai Mittal,
Department of Nuclear Medicine and PET, Postgraduate Institute
of Medical Education and Research, Chandigarh - 160 012, India.
E-mail: brmittal@yahoo.com*

This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Access this article online	
Quick Response Code: 	Website: www.ijnm.in
	DOI: 10.4103/ijnm.IJNM_162_17

How to cite this article: Parihar AS, Basher RK, Rana N, Mittal BR. Incidental meningioma on ^{68}Ga -DOTANOC positron emission tomography. Indian J Nucl Med 2018;33:182.

© 2018 Indian Journal of Nuclear Medicine | Published by Wolters Kluwer - Medknow