

A case of ganglioneuroma in which ^{131}I -6 β -iodomethyl-19-norcholest-5(10)-en-3 β -ol scintigraphy showed high uptake in the adrenal gland leading to a misdiagnosis

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We experienced a case in which ^{131}I -6 β -iodomethyl-19-norcholest-5(10)-en-3 β -ol (^{131}I -adosterol) scintigraphy showed high uptake in the right adrenal gland. We diagnosed functional cortical adenoma because of the finding of ^{131}I -adosterol scintigraphy. However, no positive findings for the existence of cortical adenoma were obtained in other examinations and we performed right adrenalectomy. Unexpectedly, pathological finding showed the right adrenal gland was occupied with a large ganglioneuroma. This is an instructive case in which ^{131}I -adosterol scintigraphy showed abnormal high uptake in the adrenal gland, in spite of the fact that the adrenal gland was occupied by a tumor derived from adrenal medulla.

Key words: ^{131}I -6 β -iodomethyl-19-norcholest-5(10)-en-3 β -ol, adrenal gland, ganglioneuroma