

Ganglioneuroma presenting as an Adrenal Incidentaloma in a 10-year-old boy-a rare entity!

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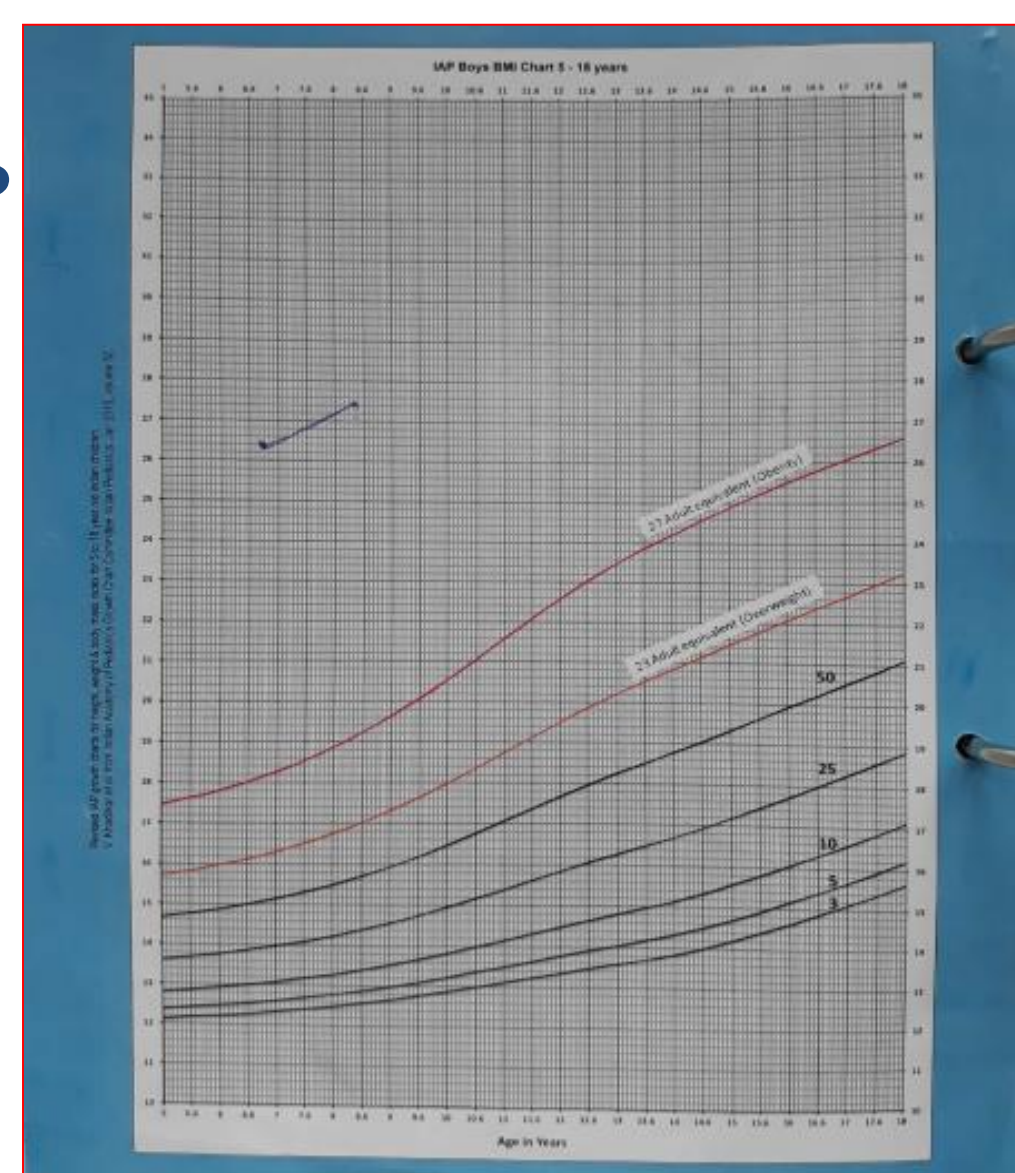
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Ganglioneuromas are a rare benign tumors arising from the neural crest cells. It is extremely rare to find them arising from the adrenal gland especially in children

CASE REPORT

10 year old boy
excessive weight gain noticed since the age of 2 years,
Sleep apnea was associated
Family history of obesity present
No acanthosis nigricans / polydactyly / dysmorphic features
Systemic examination - WNL

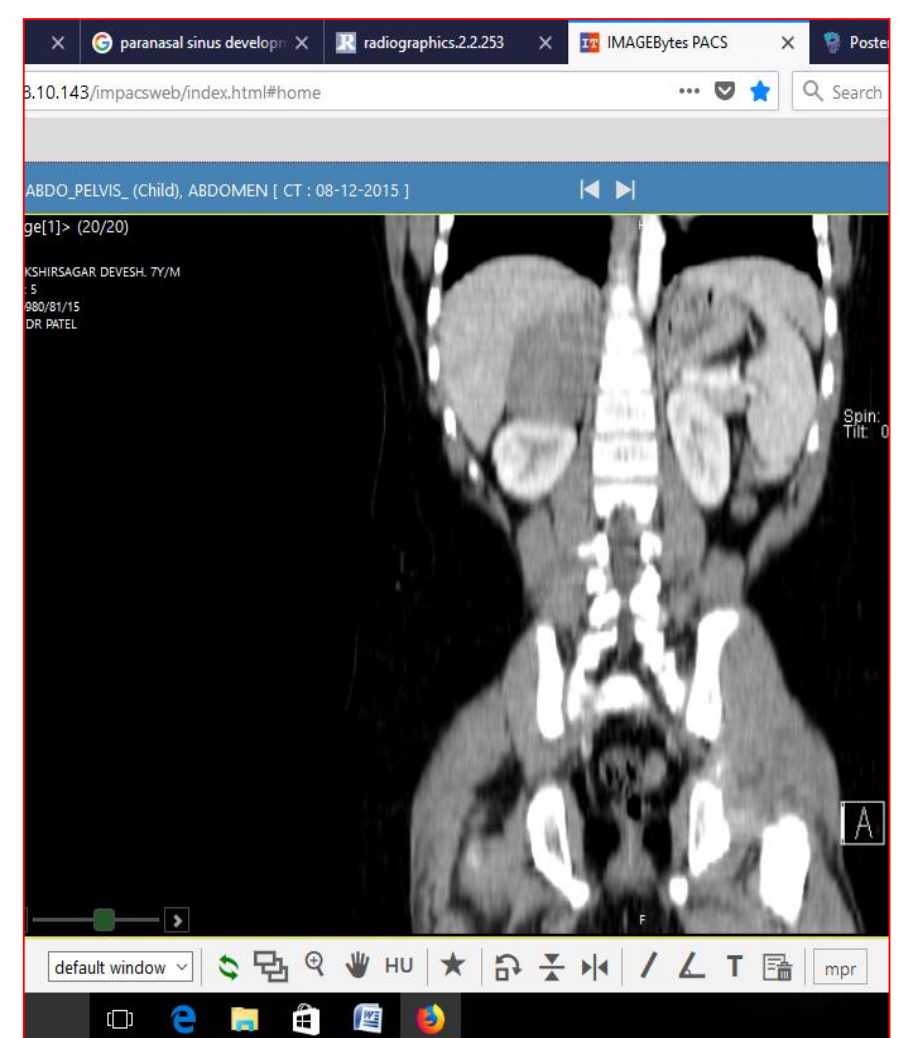


Ultrasound abdomen-

INCIDENTAL finding of a right sided adrenal tumor measuring 6 x 3cm.

- HOMA-IR-1.61
- Overnight Dexamethasone suppression test- 8:00AM S Cortisol < 1.0microgm/dl
- Serum DHEAS – 51.06 microgm/dl (N- 24.4-209.7)
- S. Aldosterone- 42 ng/dl (N-17-154ng/dl)
- 24 hour Urinary VMA- 0.89 mg/day (N- 15mg/day)
- Urine metanephrine- slightly raised 154.05microgm/day (N- 5-113 microgm/day)
- Plasma metanephrine – 38.60 pg/ml (N- <180)

SPECIALISED INVESTIGATIONS

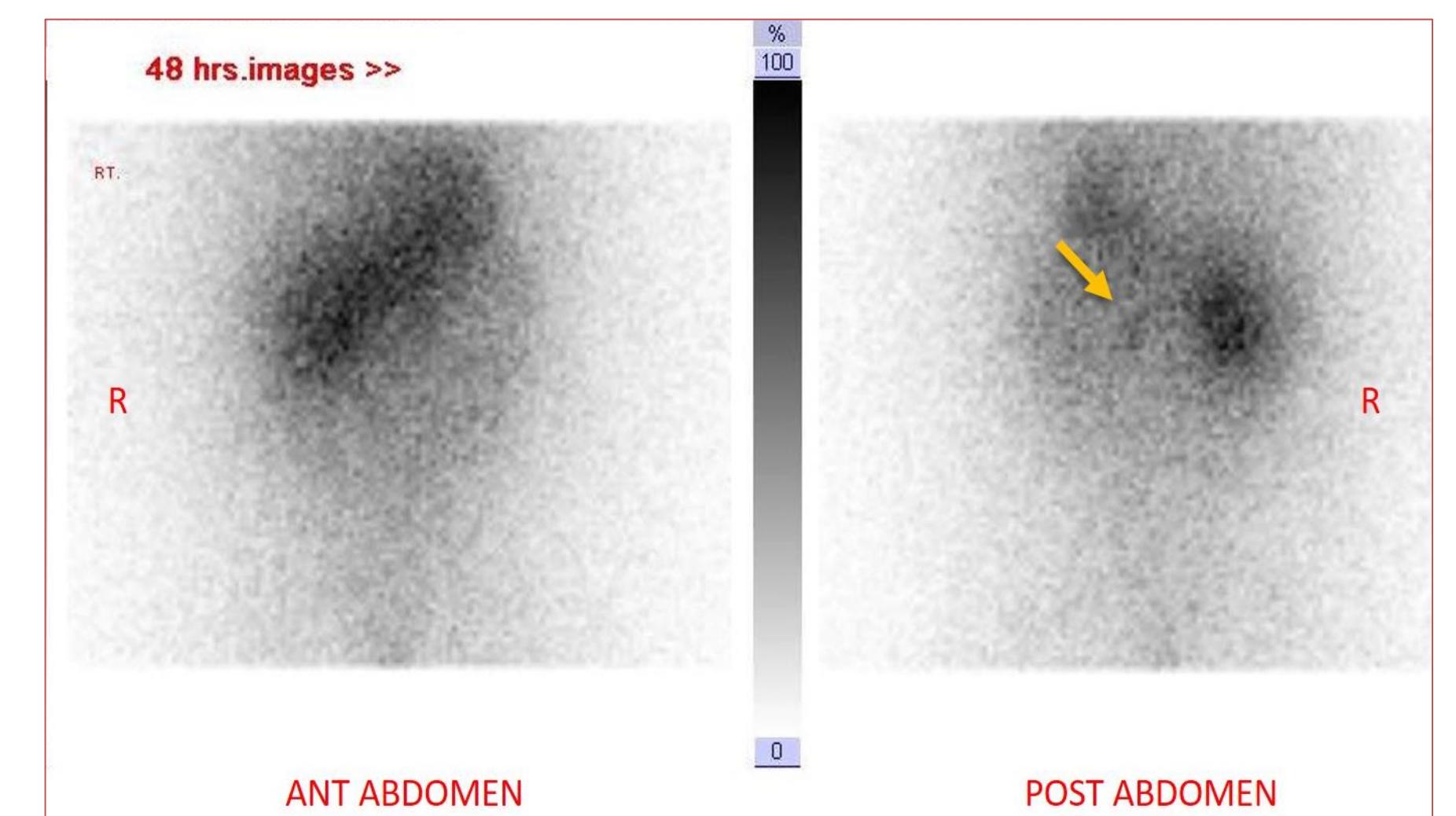
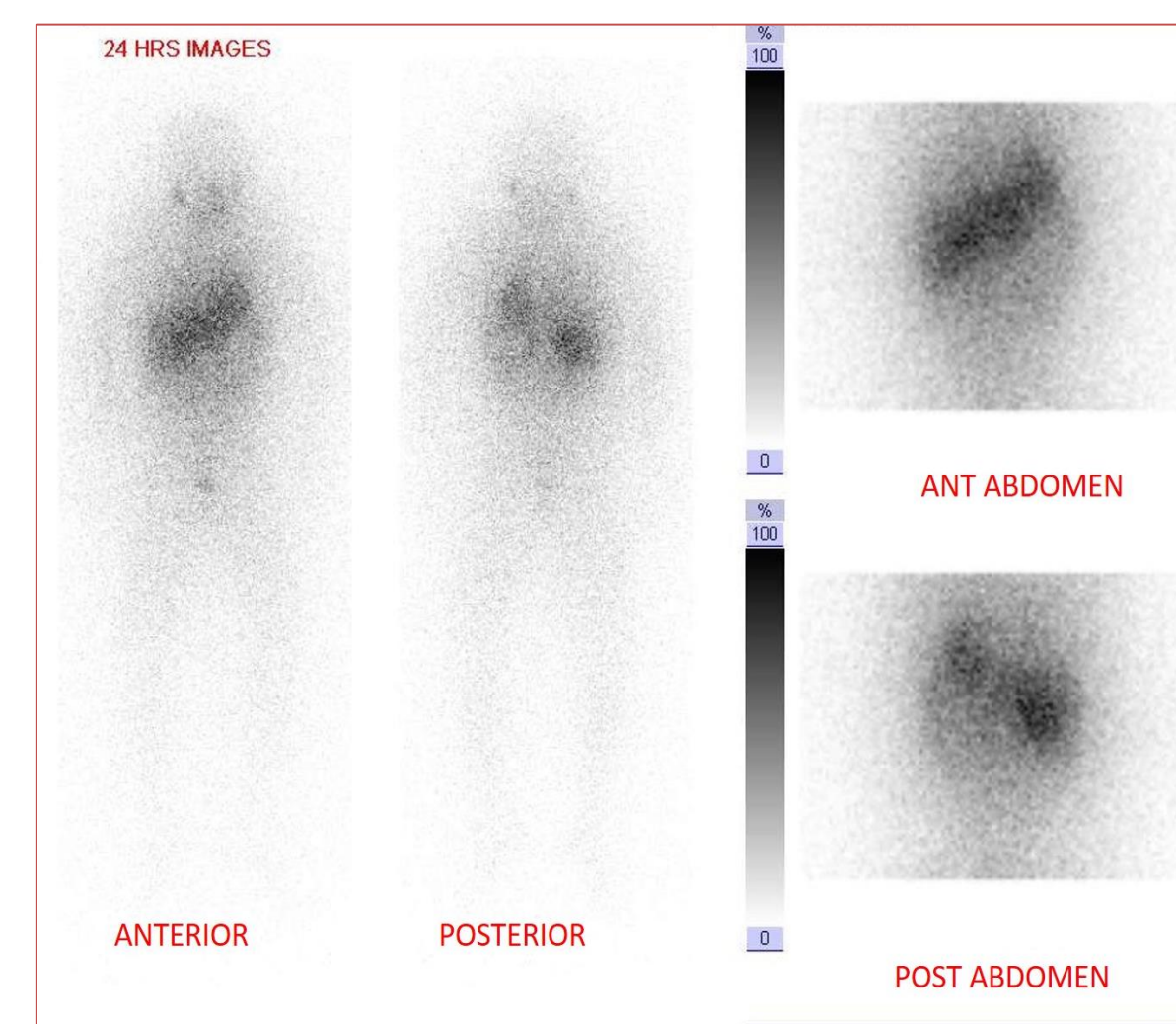


Coronal CT images showing Mass lesion in right suprarenal location



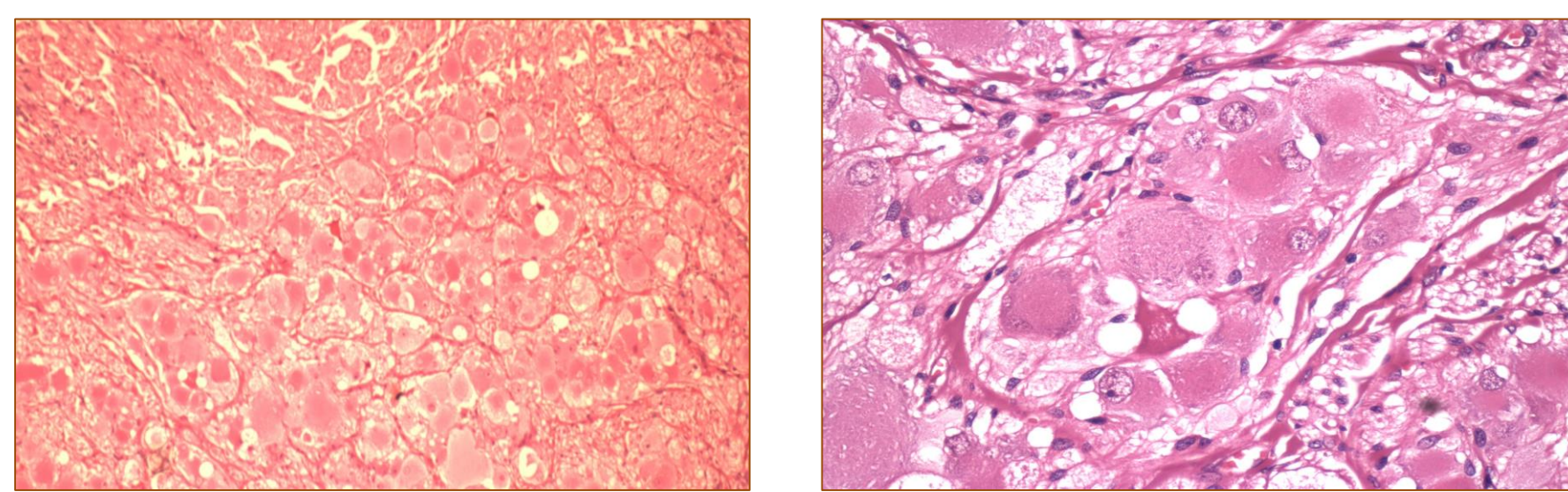
Axial image showing heterogeneous enhancement on contrast

MIBG Scan-0.5mCi/¹³¹MIBG was injected IV followed by static images acquired after 24 and 48hours



Suggesting MIBG avid neuroendocrine tissue

Right Adrenalectomy, after adequate preparation with alpha and beta blockers, considering pheochromocytoma as a close differential was performed. A highly vascular tumor measuring 6 x 4 x 5 cm of the right adrenal gland with adhesions to the IVC was found intraoperative and excised.



Histo-pathological examination-
Ganglioneuroma

Follow-up: no recurrence since last 18months

Prognosis: is excellent following surgical removal

The authors declare no conflict of interest

