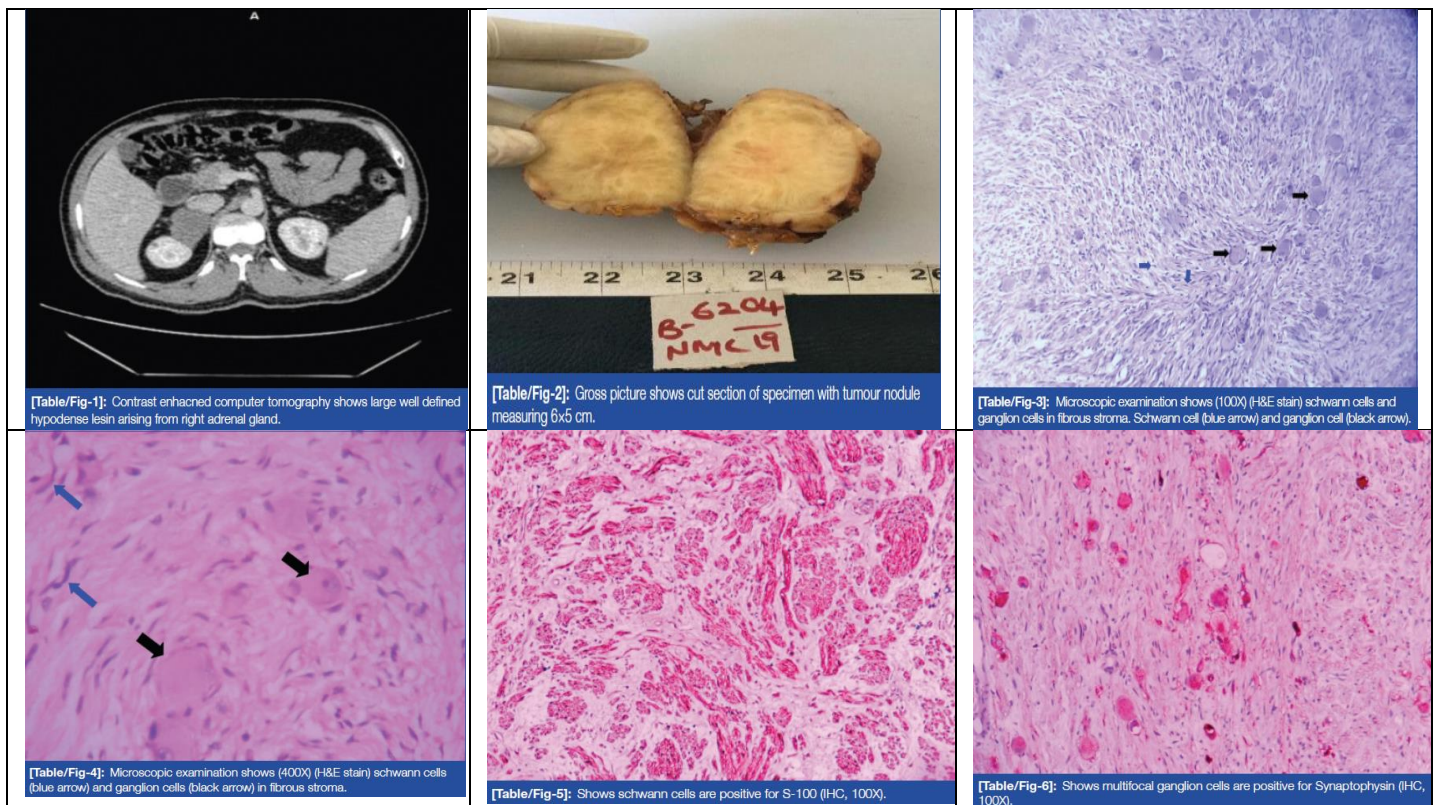


CASE OF THE WEEK – 24.11.2022

Adrenal Ganglioneuroma- A Rare Site Entity

History:

A 35-year-old male patient came to urology outpatient department with chief complaints of diarrhoea and mild pain in right side of abdomen since one month.



Histopathology:

Microscopic examination revealed structure of adrenal cortical parenchyma along with adjacent tumour tissue. Tumour tissue showed ganglion cells, Schwann cells and fibrous stroma. Ganglion cells were distributed in dispersed pattern within fibrous stroma. Ganglion cells have compact eosinophilic cytoplasm with distinct cell borders, single eccentric nucleus and prominent nucleoli. Schwann cells were arranged in small interlacing fascicles. These spindle cells exhibited wavy nuclei, eosinophilic cytoplasm and were separated by loose stroma. On immunohistochemistry tumour cells were positive for S-100 and ganglion cells were positive for Synaptophysin.

Discussion: Ganglioneuroma is a rare benign differentiated tumour which originates from the primitive neural crest cells and is composed of Schwann cells and ganglion cells. They are rarely found in the adrenal gland. Adrenal ganglioneuroma is rare tumour and its presentation in adrenal gland is even rare the present authors report the case during presentation in the adrenal gland.

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