

A Primitive Neuroectodermal Tumor of the Ovary

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A peripheral primitive neuroectodermal tumor (PNET) is a small round tumor belonging to the PNET/Ewing's sarcoma family classified based on location in the body. Few cases of PNET arising in the ovary had been reported.

We present a rare case of PNET of the ovary occurring in a thirty-eight-year-old pregnant woman, who presented with lower abdominal pain. The MRI revealed a left ovarian tumor suspicious to be cystadenoma. Left salpingo-oophorectomy was performed as frozen section was inconclusive. The small bowel was resected and re-anastomosed during laparotomy as the mass was attached to it. The positron emission tomography revealed that the PNET had metastasized to the peritoneum and the lymph nodes. Vincristine, doxorubicin, cyclophosphamide, and etoposide/ifosfamide 4 cycles were prescribed. There was local tumor recurrence around umbilicus and biopsy was advised. The patient left for Egypt to carry out treatment in home country.