PRIMARY NON-GESTATIONAL CHORIOCARCINOMA OF THE OVARY IN THE YOUNG: A CASE REPORT

Sittie Jebrailyn Amilhasan MD, Carol Marjorie Pacioles-Flavier MD, Elmer Chua MD
Department of Obstetrics and Gynecology, Davao Doctors Hospital
Davao City, Philippines

Background

Pure ovarian non-gestational choriocarcinoma is an extremely rare case particularly in the pediatric population. It accounts for 0.6% or less of all ovarian neoplasms and believed to have a poor prognosis. We report a case of primary non-gestational choriocarcinoma of the ovary in postmenarcheal young patient with good response to multidrug chemotherapy after surgery.

Patients and Results

This is a case of a 14 year old who complained of abdominal pain with a large abdominopelvic mass . Unilateral Salphingo-oophorectomy was performed. She was initially diagnosed with a solid teratoma on frozen section biopsy but permanent section biopsy demonstrated a non-gestational choriocarcinoma admixed with solid teratoma. Tumor markers revealed normal β -HCG and alpha-fetoprotein values but an elevated CA 125 .Following surgery, multiple courses of chemotherapy consisting of Bleomycin, Etoposide and Carboplatin were given. Patient tolerated the adjuvant treatment and presently has no evidence of disease.

Conclusion

Due to its rarity, there is no available data regarding ideal chemotherapy. Bleomycin, etoposide and carboplatin after surgery proved to be effective in our case.

Gross picture of ovarian tumor with fallopian tube.

Cut section of the ovarian tumor.

LP View. Focal areas showing sheets of neoplastic cytotrophoblast and syncytiotrophoblast with areas of hemorrhage.