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## Gestational trophoblastic diseases: A seven-year observational study in the city of Duhok, Iraq

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**Background:** Although Gestational trophoblastic disease (GTD) is mostly a benign condition, malignant transformation may occur. It is the most curable disease among all the gynecological malignancies especially when early diagnosis is made. Despite that, there is paucity of local data regarding the burden of this condition, its management and outcome.

**Objectives:** The study aims to assess the data for the prevalence, treatment protocols and outcome of GTD in cases admitted to Azadi Teaching Hospital, Duhok, Iraq.

**Methods:** A retrospective and prospective analysis of cases documented during the period from February 2011 to July 2017. Ninety-six (96) cases were included. Retrospective data were retrieved from patients' medical records and GTD special registry while prospective data were recorded in patients' record at Gynecology Clinic and were updated with each visit. Human chorionic gonadotropin hormone level was the main investigation we based on for diagnosis and follow up.

**Results:** Seventy (72.9%) cases were multigravida, forty-three (44.8%) were between the age 21-30 years. All patients had vaginal bleeding at presentation. Only five (5.2%) cases had extra uterine metastasis, two (2%) patients had history of previous GTD, four (4.2%) patients ended with hysterectomy 23 (23.9%). Patients were solely treated with dilatation and curettage without need for any chemotherapy, 62 (64.8%) patients were treated successfully with single agent chemotherapy while 11 (11.6%) patients needed multi-agent's chemotherapy.

**Conclusion:** No patient died from GTD during this period. Among patients who needed chemotherapy, most of our cases had good response to single agent chemotherapy.

### Biography

Elean Ayoub has completed her Bachelor's degree in General Medicine and Surgery from Duhok University, College of Medicine and currently she is a Trainee toward specialty in Obstetrics and Gynecology. She is one of the Senior Registrars at both Duhok Maternity Hospital and Azadi Teaching Hospital in the city of Duhok, Iraq.

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