Malignant ovarian tumors in patients 14 - 20 years, a 3 decades experience in a public hospital 1985 - 2015 San Borja Arriaran Hospital

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Objectives:

Describe malignant ovarian tumors in patients 14 - 20 years, between 1985 - 2015 at San Borja Arriaran Hospital (HCSBA) in Santiago, Chile. HCSBA is a public institution that covers about 20% of the Chilean capital population.

Methods:

Retrospective search in the gynecology oncology and pathology HCSBA units data bases of the following parameters; histology type and age of initial diagnostic. We found a total of 20 records of female patients with malignant ovarian tumors between 14-20 years, that were reviewed and analyzed by 3 members of our unit.

● Serous Adenocarcinoma ● Mucinous borderline ● Serous borderline
● Stromal Cancer

Results

The most frequent histology was germinal tumors (50%) followed by epithelial (40%). The distribution for germinal tumor was: dysgerminoma (60%) followed by yolk sac tumor (20%), and immature teratoma (20%).

The most common epithelial tumor was mucinous borderline (38%) followed by serous adenocarcinoma (38%) and serous borderline (24%).

There were only 2 cases of stromal cancer. 85% of the tumors were early FIGO stage; 60% IA and 25% IC.

The median age of diagnostic was 17,5 years

Conclusions:

Our findings were similar as those founded in the international literature in prevalence and age related incidence in tumors under 20 years. It is important to established histologic type and stage to plan a proper conservative surgery and medical treatment

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