APPLICATION OF SENTINEL NODE TECHNIQUE WITH BLUE PATENT FOR BREAST CANCER IN A PUBLIC HOSPITAL OF A DEVELOPING COUNTRY WITH A DEVELOPED COUNTRY DEMOGRAPHICS.

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Primary objective: To determine the percentage of sentinel node search in our institution since the procedure was established, the importance of the technique and complications. Determine how many did not need lymphadenectomy.

Secondary Objectives: To establish the clinical stage of the patients at the time of surgery. To Date the descriptive epidemiology of breast cancer in Paysandú. To determine the risk factors for this pathology.

We analyzed the medical records of all patients with breast cancer treated at the hospital from 2008 (the year in which we began to use the technique of sentinel node) to June 2013. The hospital's statistics department is still processing data from last year, so we do not have the final number.

In Uruguay general cancer ranks second as a cause of death and in particular breast cancer is the first in incidence and mortality in uruguayan women. 1800 new cases per year, which means, 5 new cases per day and about 634 deaths per year. Since national screening campaigns and technological advances, mortality is declining but it is still the first. It is therefore also important to advance techniques that improve the quality of life both functionally and aesthetically for these patients.

Methods: A descriptive, retrospective study of the last five years. We analyzed data from medical records and special forms used in the sentinel node procedure.

Conclusion:

The sentinel node technique by staining with Blue Patent has excellent results, being a very useful methodology for developing countries where it is very difficult to have the technique with radioisotope (technetium-99).

We perform approximately 60% of sentinel nodes in breast Cancers, and in approximately 65% of these cases were negative.

This enabled 39 women to benefit from avoiding lymphadenectomy with all morbidity involved.

It is very important the early detection of Breast Cancer allowing us to make a greater number of sentinel node with which we can get more conservative surgeries, greater number of cures, better quality of life, shortening the period of hospitalization and better cost for-profit institutions.