

FROZEN SECTION BIOBSY IN BREAST ONCOPLASTIC SURGERY

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Abstract

Background: Frozen Section Procedure (FS) is a pathological laboratory procedure, which realizes a quick microscopic analysis of biopsy sample. Technical name of this procedure is Cryosection; daily practice of medicine has been described by Dr. Luis Wilson in 1905, which developed techniques performed by Dr. William Mayo (surgeon & founder of the Mayo Clinic). Intraoperative consultation is the name that has been determined this action by the pathologist, which includes not only the FS, but gross assessment of the sample, cytological examination etc.

Aim: This is one of the basic techniques used inseparably during conservative treatment and oncoplastic breast surgery at Hygeia Hospital Tirana and Oncology Service in U.H.C.

Material and methods: We select all cases of patients with FNA of breast lesion C2-C4 and Throw-cut uncertain where clinically and in image were doubtful for oncological pathology in mammary gland. These cases were reviewed for the period January 2011- august 2012 by their presenting at Hygeia Hospital Tirana and Oncology Service at the University Hospital Center.

Results: In the main use of FS is the examination of tissue during surgical act, which is done for various reasons:

- If the tumor is suspected to have metastasizes& in this case brought a part of the suspicious area to confirm.
- If the tumor is removed, but not known his lips (margin status).
- In linfonod sentinel biopsy (SLN) to determine the continuation of further (ADLN).

One of the most important factors for an adequate oncological surgery in patients with BC during breast conservative surgery is intraoperative frozen section

analysis (FSA) for the assessment of margin status.

In everyday practice in surgical activity & breast conservative treatment in our service, this procedure has found a use about 40% in the case of an FNA preoperative that resulted C2-C4, which confirmed the diagnosis of oncological problem.

Conclusions: In the case of conservative surgery this technique is used 100% of cases, with a very low negative false result. This caused to our patients to avoid a second surgery, so traumatic for an individual already with psych emotional alterations, it was confirmed also from our psychosocial advisory at our service.

Key words: frozen, breast surgery.

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