

Breast Radiology Unit

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Activities 2007. In the course of year 2007 the research activity was characterised by drafting a new research project in breast cancer imaging and diagnosis based on innovative procedures. Even so we keep on with data collection about procedures of current use in breast lesions diagnosis like microhistological examination with Vacuum Biopsy System.

Among most relevant projects the Unit was involved in Breast HistoScanning project in collaboration with Advanced Medical Diagnostic and IARC. This project will be presented at the 7TH Framework Programme 2007. The HistoScanning is a device that allows to analyse in toto the ecographic signal obtained from the breast ultrasound scan. HistoScanning procedure already did good results in ovarian cancer diagnosis. The aim of our study was to evaluate the efficacy of this procedure to analyse a complex structure as the breast.

In the July 2007 our Ethics Committee approved a clinical trial about Optical Mammography. This project is a collaboration between our unit and Politecnico of Milan and at present it is in stand-by because we need the authorisation of Ministry of Health before using this experimental device in human subjects.

Collaborating with ESAOTE and many Italian centres we presented a project for FIRB about microinvasive interventional procedure guided by ultrasound.

Recently we are collaborating with other departments of IEO (nuclear medicine, breast surgery and anatomopathology) writing a research protocol to study if breast ultrasound scan joint with fine needle aspiration cytology can be a useful alternative in sentinel lymph node identification.

Another research topic that involve Breast Radiology Unit is a project about Tomosintesi, proposed for 6TH Framework Programme 2006.

A work about multifocal and multicentric breast lesions, is in a ultimate phase of writing for publication.

Breast Imaging

Admissions		Day Hospital	
Admissions	1	Cycles	60
-Surgery Adm	1	-Surgery Cyc	-
-Medical Adm	-	-Medical Cyc	60
Surgical Index	100,00%	Surgical Index	0,00%
Days	11	Treatments	60
Alos	11,00	Alos Treat	1,00
ARW	1,51	ARW	0,59

