



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Azienda Ospedaliero-Universitaria di Parma - Parma, Italy

General Information



New breast cancer cases treated per year 450

Breast multidisciplinary team members 30

Radiologists, surgeons, pathologists, medical oncologists, radiotherapists and nurses

Clinical Director: Antonino Musolino, MD, MSc, PhD

The Breast Unit was established in 2007 as a consequence of an over-12-year-long multidisciplinary approach to breast cancer diagnosis and treatment. The team, composed by oncologists, radiologists, radiotherapists, pathologists, cytologists, general and plastic surgeons, nuclear physicians, psychologists and physiatrists, meets once a week for patient's evaluation and for the definition of diagnostic and therapeutic strategies and scientific update. The breast unit arranges all the diagnostic steps, including mammotome and open biopsies; it provides care for all stages of breast cancer including oncoplastic surgery, immediate and delayed plastic reconstruction, sentinel node biopsy, breast irradiation, preoperative and adjuvant systemic therapy, treatment of locally advanced and metastatic breast cancer, rehabilitative and psychological support. The unit offers also a multidisciplinary approach for risk assessment and genetic counselling. As a University Hospital we have residents in all specialties such as breast and plastic surgery, oncology and radiology. The unit organizes one/two annual meetings about breast issues and the Breast Cancer Awareness Month (BCAM).

Azienda Ospedaliero-Universitaria di Parma

Via Gramsci n. 14

43126 Parma,

Phone: +390521702660

Fax: +390521995448

E-mail: amusolino@ao.pr.it

Web-site: www.ao.pr.it

Available services

- Radiology
- Breast Surgery
- Reconstructive/Plastic Surgery
- Pathology
- Medical Oncology
- Radiotherapy

- Nuclear Medicine
- Rehabilitation
- Genetic Counselling
- Data Management
- Psycho-oncology
- Breast Nurses

- Social Workers
- Nutritional Counselling
- Survivorship Groups
- Sexual Health Counselling
- Supportive and Palliative Care
- Integrative Medicine

Radiology

- Dedicated Radiologists** 10
- Mammograms per year** 40000
- Breast radiographers**
- Screening program**
- Verification for non-palpable breast lesions on specimen**
- Axillary US/US-guided FNAB**
- Clinical Research**

Available imaging equipment

- Mammography
- Ultrasound
- Magnetic Resonance Imaging (MRI)
- Tomosynthesis

Available work-up imaging equipment

- Computer Tomography
- Ultrasound
- Magnetic Resonance Imaging (MRI)
- PET/CT scan
- Bone Scan

Primary technique for localizing non-palpable lesions

- Hook-wire (or needle localization)
- Charcoal marking/tattooing
- ROLL: radio-guided occult lesion localization

Available breast tissue sampling equipment

- Stereotactic Biopsy (Mammography guided)
 - Core Biopsy (Tru-cut)
 - Vacuum assisted biopsy
- Ultrasound-guided biopsy
 - Fine-needle aspiration biopsy (FNAB, cytology)
 - Core Biopsy
 - Vacuum assisted biopsy
- MRI-guided biopsy
 - Core Biopsy
 - Vacuum assisted biopsy

Breast Surgery

- New operated cases per year (benign and malignant)** 650
- Dedicated Breast Surgeons** 3
- Surgeons with more than 50 surgeries per year** 3
- Breast Surgery beds** 3
- Breast Nurse specialists** 10
- Outpatient surgery**
- Intra-operative evaluation of sentinel node**
- Reconstruction performed by Breast Surgeons**
- Clinical Research**

Primary technique for staging the axilla

- Axillary lymph node dissection
- Sentinel lymph node biopsy:
 - Blue dye technique
 - Radio-tracer technique
 - Blue dye + Radio-tracer
- Axillary sampling

Reconstructive/Plastic Surgery

- Reconstructive/Plastic surgeons** 1
- Immediate Reconstruction available**

Type of breast reconstructive surgery available

- Remodelling after breast-conserving surgery
- Reconstruction after mastectomy:
 - Two-stage reconstruction (tissue expander followed by implant)
 - One-stage reconstruction
 - Autogenous tissue flap
 - Latissimus dorsi flap
 - Transverse rectus abdominis (TRAM)
 - Free-flaps (free TRAM, DIEP, SIEA, gluteal, etc.)
- Surgery on the contralateral breast for symmetry
- Nipple-Areola Reconstruction, Lipofilling

Pathology

- Dedicated Breast Pathologists** 2

Available studies

- Cytology
- Haematoxylin & eosin section (H&E)
 - Surgical specimen
 - Sentinel node
 - Core biopsy
- Frozen section (FS)
 - Surgical specimen
 - Sentinel node
- Immunohistochemistry stain (IHC)
 - Estrogen receptors
 - Progesterone receptors
 - HER-2
 - Ki-67

Other special studies available

- Fluorescence in-situ Hybridization for HER-2 gene (FISH)
- Oncotype Dx (21-gene assay)
- MammaPrint (70-gene microarray)
- Prediction Analysis of Microarray 50-gene set (PAM 50)

Parameters included in the final pathology report

- Pathology stage (pT and pN)
- Tumour size (invasive component in mm)
- Histologic type
- Tumor grade
- ER/PR receptor status
- HER-2/neu receptor status
- Peritumoural/Lymphovascular invasion
- Margin status

Medical Oncology

- Dedicated Breast Medical Oncologists** 4
- Outpatient systemic therapy**
- Clinical Research**

Radiotherapy

Dedicated Radiation Oncologists

Clinical Research

Available techniques after breast-conserving surgery (including experimental)

Whole-Breast RT (WBRT)

Partial breast irradiation (PBI):

External beam PBI

Interstitial brachytherapy

Targeted brachytherapy (MammoSite, SAVI applicator, other devices)

Intra-operative RT (IORT)

Multidisciplinary Meeting (MDM) / Tumour Board (TB)

Regular MDM/TB for case management discussion

Twice a week

Weekly

Every two weeks

Other Schedule

Cases discussed at MDM/TB

Preoperative cases

Postoperative cases

Specialties/services participating in MDM/TB

Radiology

Breast Surgery

Reconstructive/Plastic Surgery

Pathology

Medical Oncology

Radiotherapy

Genetic Counselling

Breast Nurse Service

Psycho-oncology

Cytologists

Further Services and Facilities

Nuclear Medicine

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

Rehabilitation

Prosthesis service

Physiotherapy

Lymph-oedema treatment

Genetic Counselling

Specialist Providing Genetic Counselling/Risk assessment service:

Dedicated Clinical Geneticist

Medical Oncologist

Breast Surgeon

General Surgeon

Gynaecologist

Genetic Testing available

Surveillance program for high-risk women

Data Management

Database used for clinical information

Data manager available

Contact details

Clinical Director

Antonino Musolino, MD, MSc, PhD	Head of Breast Unit (acting Director)	amusolino@ao.pr.it	+390521702660
---------------------------------	---------------------------------------	--	---------------

Radiology

Cecilia d'Aloia, MD	Head of Breast Radiology Dpt.	cdaloia@ao.pr.it	+390521702488
Enrica Spaggiari, MD	Staff Radiologist	espaggiari@ao.pr.it	+390521704308
Lara Pallavera, MD	Staff Radiologist	lpallavera@ao.pr.it	+390521704308
Leonardo Quartieri, MD	Staff Radiologist	lquartieri@ao.pr.it	+390521704308
Nicoletta Piazza, MD	Head of the Screening Programme	npiazza@ausl.pr.it	+390521393902
Patrizia Davico, MD	Staff of the Screening Programme	pdavico@ausl.pr.it	+390521393902
Sara Onesti, MD	Staff of the Screening Programme	sonesti@ausl.pr.it	+390521393902
Marra Grazia Pancaldi, MD	Staff of the Screening Programme	mgpancaldi@ausl.pr.it	+390521393902

Breast Surgery

Leonardo Cattelani, MD	Breast Surgeon	cattelanil@hotmail.com	+390521703733
Maria Francesca Arcuri, MD	Resident Surgeon	mfarcuri@ao.pr.it	+390521702180

Reconstructive Surgery

Stefano Baldassarre, MD	Staff Surgeon	sbaldassarre@ao.pr.it	+390521703680
-------------------------	---------------	--	---------------

Pathology

Eugenia Marta Martella, MD	Staff Pathologist	emartella@ao.pr.it	+390521702624
Pietro Caruana, MD	Staff Pathologist	pcaruana@ao.pr.it	+390521702623

Medical Oncology

Mariangela Bella, MD	Medical Oncologist	mbella@ao.pr.it	+390521702894
Maria Michiara, MD	Medical Oncologist	Michiara@ao.pr.it	+390521702660
Antonino Musolino, MD, MSc, PhD	Medical Oncologist	amusolino@ao.pr.it	+390521702660
Daniela Boggiani, MD	Medical Oncologist	dboggiani@ao.pr.it	+390521702660
Rita Nizzoli, MD	Staff Cythologist	rnizzoli@ao.pr.it	+390521702660

Radiotherapy

Marialuisa Bergamini, MD	Staff Radiation Oncologist	mlbergamini@ao.pr.it	+390521702507
--------------------------	----------------------------	--	---------------

How to reach us



Azienda Ospedaliero-Universitaria di Parma

Via Gramsci n. 14

43126 Parma,

Phone: +390521702660

Fax: +390521995448

E-mail: amusolino@ao.pr.it

Web-site: www.ao.pr.it

From airport:

In Parma we have a small airport, quite close to the city centre, easily reachable by taxi and bus, line n°6. The airports of Milan and Bologna are respectively 120 Km and 90 km faraway, it takes an average of 1h 30' by car on the highway.

By train:

Several national trains regularly arrive in Parma directly or with a stopover in Bologna. From the railway station it takes about 12 minutes by bus: line n°11, 12, 20 (every 20 minutes).

By bus or sub-way/underground:

The Hospital is in the middle of the city, therefore it is served by many buses both from the city center and from outside: line n° 3, 4, 5, 12, 20, 23, 11. The Hospital is quite big and has three entrances, one for cars (via Abbeveratoia) with pay and display parking, two pedestrian entrances, one on via Gramsci and one on via Volturno, the latter one with a large free parking. The Breast Unit is located close to via Abbeveratoia car entrance, but very faraway from the pedestrian entrances. Therefore, the most convenient bus lines are n°12 and 5.

By car:

Coming from the highway A1 Bologna-Milano,we recommend 'Parma' exit. From the exit, keep right until the ring road, from there follow the indications 'Ospedale'. Coming on the highway A15 Parma-La Spezia, we recommend the exit 'Parma Ovest': arriving directly on via Emilia Ovest, follow the indications to 'Parma' and then to 'Ospedale'.

Last modified: 11 April 2017