



# BREAST CENTRES NETWORK

Synergy among Breast Units

## Breast Unit ASL BA - Osp. S. Paolo - Bari - Bari, Italy

### General Information



**New breast cancer cases treated per year** 380

**Breast multidisciplinary team members** 18

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

**Clinical Director:** Stefano Rinaldi, MD

Though our group has not been defined as a proper Breast Unit yet, since 1999 we operate according to the criteria and typical collaborations of a Breast Unit, with close relations between the various operators in different departments.

Therefore we think that we can be considered a real Breast Unit in practice, with at least ten years of experience.

### **Breast Unit ASL BA - Osp. S. Paolo - Bari**

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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** 5
- Mammograms per year** 18000
- 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)
- Ductogalactography, CEM (contrast-enhanced spectral mammography), DBT (tomosynthesis)

**Available work-up imaging equipment**

- Computer Tomography
- Ultrasound
- Magnetic Resonance Imaging (MRI)
- PET/CT 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)** 557
- Dedicated Breast Surgeons** 4
- Surgeons with more than 50 surgeries per year** 2
- Breast Surgery beds** 9
- Breast Nurse specialists** 2
- 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
  - paramagnetic-tracer (SIENNA +)
- Axillary sampling

**Reconstructive/Plastic Surgery**

- Reconstructive/Plastic surgeons** 4
- 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
- NAC Reconstruction, Lipofilling

**Pathology**

- Dedicated Breast Pathologists** 3

**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

physiotherapist

## 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

Clinical biochemist

Genetic Testing available

Surveillance program for high-risk women

### Data Management

Database used for clinical information

Data manager available

## Contact details

## Clinical Director

Stefano Rinaldi, MD	Head of General Surgery & Breast Surgery Department	<a href="mailto:solostefano@alice.it">solostefano@alice.it</a>	+39360828686
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## Breast Surgery

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## Reconstructive Surgery

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## Pathology

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## Medical Oncology

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How to reach us



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**From airport:**

From 'Karol Wojtyla' Airport(<http://www.aeroportidipuglia.it/>) taxis are available in the square in front of the airport (phone number +39 080 5316166).

**By train:**

The hospital is directly connected to Bari central railway station by metropolitan railway San Paolo (<http://www.ferrovienordbarese.it/>). Trains leave every 20 min and take a maximum time of 11 min.

Taxi services is available in front of Bari Central Railway Station (phone number +39 080 5210600).

**By bus or sub-way/underground:**

Bus n° 3 from Bari Central railway Station; n° 33 from S. Spirito, Palese.

**By car:**

Highway A14: exit Bari Nord SS 16 bis to Foggia: exit n° 5, follow indications to the hospital.

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