



# BREAST CENTRES NETWORK

Synergy among Breast Units

## ★ IRCCS Ospedale San Raffaele - Milano, Italy

### General Information



**New breast cancer cases treated per year** **370**

**Breast multidisciplinary team members** **24**

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

**Clinical Director:** **Oreste Davide Gentilini, MD**

The Breast Unit of San Raffaele Hospital was established in 2001 according to the EUSOMA (European Society of Mastology) guidelines. Our staff works together very closely, creating a well-integrated multidisciplinary team (Surgery, Oncology, Diagnostic Radiology, Radiotherapy, Nuclear Medicine, Pathology, Oncological Psychology, Plastic/Reconstructive Surgery). All cases are collegially discussed by different experts twice a week: the diagnostic and therapeutic choices are always shared with the patients.

### **IRCCS Ospedale San Raffaele**

Via Olgettina, 60

20132 Milano,

Phone: +390226432643

Fax: +390226437807

E-mail: [informazioni@hsr.it](mailto:informazioni@hsr.it)

Web-site: [http://www.sanraffaele.org/dipartimenti\\_oncologia\\_diseaseunit\\_tumoremammella.html](http://www.sanraffaele.org/dipartimenti_oncologia_diseaseunit_tumoremammella.html)

CERTIFICATION(S) ACCREDITATION(S)

**iso 9001:2015**

Expiration date: 27 February 2023

IMQ group

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** 6
- Mammograms per year** 10000
- 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)
- Tomosintesi

**Available work-up imaging equipment**

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

**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)** 450
- Dedicated Breast Surgeons** 6
- Surgeons with more than 50 surgeries per year** 3
- Breast Surgery beds** 4
- Breast Nurse specialists** 1
- 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** 2
- 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
- Lipofilling , ADM

**Pathology**

- Dedicated Breast Pathologists** 1

**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** 9
- 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

## Further Services and Facilities

**Nuclear Medicine**

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

PET/ MRI

**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

Oreste Davide Gentilini, MD	Breast Surgeon	<a href="mailto:gentilini.oreste@hsr.it">gentilini.oreste@hsr.it</a>	+390226433939
-----------------------------	----------------	--	---------------

## Radiology

Mariagrazia Rodighiero	Staff Radiologist	<a href="mailto:rodighiero.mariagrazia@hsr.it">rodighiero.mariagrazia@hsr.it</a>	
Simona Tacchini	Staff Radiologist	<a href="mailto:tacchini.simona@hsr.it">tacchini.simona@hsr.it</a>	
Claudio Losio, MD	Staff Radiologist	<a href="mailto:losio.claudio@hsr.it">losio.claudio@hsr.it</a>	
Pietro Panizza, MD	Head of Breast Radiology Dpt.	<a href="mailto:panizza.Pietro@hsr.it">panizza.Pietro@hsr.it</a>	+390226436310

## Breast Surgery

Oreste Davide Gentilini, MD	Head of Breast Surgery Dpt.	<a href="mailto:gentilini.oreste@hsr.it">gentilini.oreste@hsr.it</a>	+390226433939
Veronica Zuber, MD	Staff Surgeon	<a href="mailto:zuber.veronica@hsr.it">zuber.veronica@hsr.it</a>	
Rosa Di Micco, MD	Staff Surgeon	<a href="mailto:dimicco.rosa@hsr.it">dimicco.rosa@hsr.it</a>	
Sara Baleri, MD	staff surgeon		
giovanni cisternino	staff surgeon		
Mario Rampa	staff surgeon		

## Reconstructive Surgery

Raffaele Ceccarino, MD	Staff Surgeon		
Antonio Stefano Rottino, MD	staff surgeon		

## Pathology

Isabella Sassi, MD	Staff Pathologist	<a href="mailto:isabella.sassi@hsr.it">isabella.sassi@hsr.it</a>	+390226432288
--------------------	-------------------	--	---------------

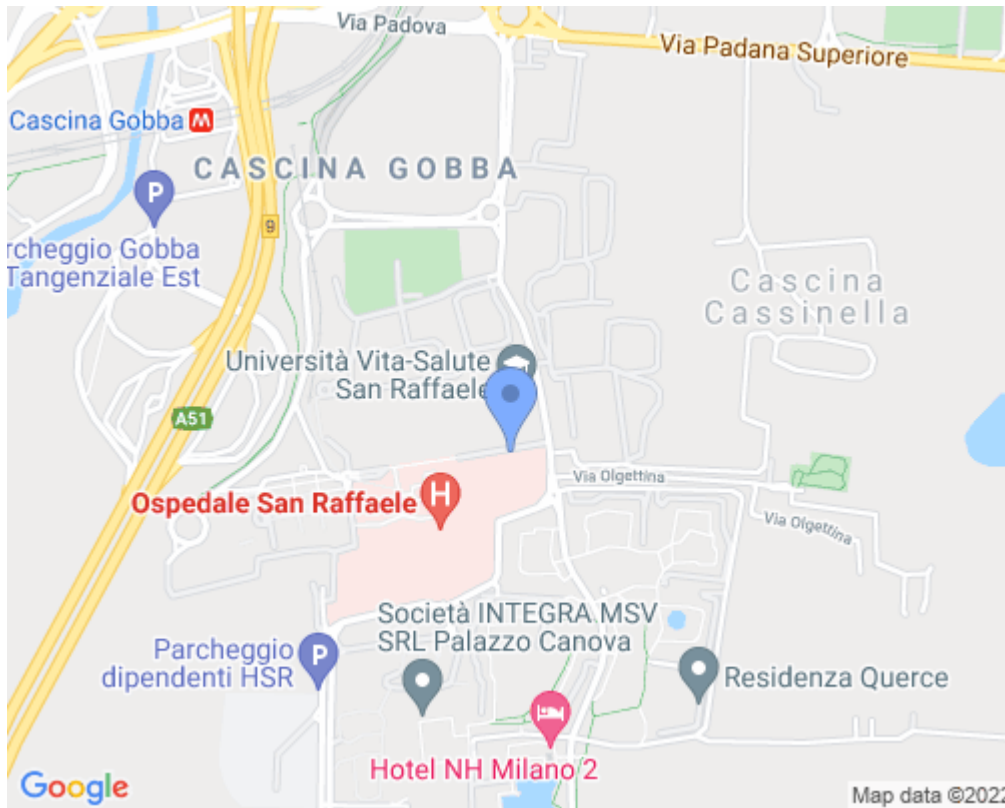
## Medical Oncology

Daniela Aldrighetti, MD	Staff Oncologist	<a href="mailto:aldrighetti.daniela@hsr.it">aldrighetti.daniela@hsr.it</a>	
Patrizia Zucchinelli, MD	Staff Oncologist	<a href="mailto:zucchinelli.patrizia@hsr.it">zucchinelli.patrizia@hsr.it</a>	
Giampaolo Bianchini, MD	Head of medical oncologist group		
Stefania Zambelli, MD	Staff Oncologist	<a href="mailto:zambelli.stefania@hsr.it">zambelli.stefania@hsr.it</a>	

## Radiotherapy

Marcella Pasetti, MD	Staff Radiotherapist	<a href="mailto:pasetti.marcella@hsr.it">pasetti.marcella@hsr.it</a>	
Nadia Di Muzio, MD	Chief of Radiotherapy Unit		

How to reach us



**IRCCS Ospedale San Raffaele**

Via Olgettina, 60

20132 Milano,

Phone: +390226432643

Fax: +390226437807

E-mail: [informazioni@hsr.it](mailto:informazioni@hsr.it)

Web-site: [http://www.sanraffaele.org/dipartimenti\\_oncologia\\_diseaseunit\\_tumoremammella.html](http://www.sanraffaele.org/dipartimenti_oncologia_diseaseunit_tumoremammella.html)

**From airport:**

Given the short distance, taxi is the best option from Linate Airport.

**By train:**

Train to Milan central station or Lambrate station. Underground line 2, Cascina Gobba stop, then Underground railway for San Raffaele (or Bus for Milano 2 for those directed to Dimer).

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

Underground line 2, Cascina Gobba stop, then Underground railway for San Raffaele (or Bus for Milano 2 for those directed to Dimer).

**By car:**

From highways: Tangenziale Est - Cascina Gobba exit. Then follow road signs.

**Last modified:** 12 May 2020