



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Breast Center Humanitas Cancer Center - Milan, Italy

General Information



New breast cancer cases treated per year 1000

Breast multidisciplinary team members 27

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

Clinical Director: Corrado Tinterri, MD

Breast Center Humanitas (BCH) is an initiative of Humanitas Cancer Center that offers state-of-the-art breast cancer care in Milan. Shortly after its inauguration in November 2008, BCH has become one of the main breast cancer referral centres in Italy. We offer a coordinated approach by a team of experts from all fields involved in breast diseases. Our weekly Multidisciplinary Meeting (MDM) for case management discussion represents the cornerstone of this approach. Our strategy is to tailor individualized treatment according to clinical stage and tumour biology. Breast-conserving surgery (BCS) is our goal with the aid of Radioguided Occult Lesion Localization (ROLL) for non-palpable lesions. When mastectomy is indicated, we offer skin-sparing mastectomy or nipple-sparing mastectomy in adequately selected cases with immediate reconstruction. Axillary staging is performed with Sentinel Lymph Node Biopsy. Research is part of our mission. We carry out studies about gene microarray tests, BCS in elderly patients with/without radiotherapy, stereotactic radiosurgery, nipple-sparing mastectomy and innovative treatments for stage IV disease.

Breast Center Humanitas Cancer Center

Via Manzoni 56

20089 Milan,

Phone: +390282246252

Fax: +390282242298

E-mail: info@humanitasonline.com

Web-site: www.humanitas.it

CERTIFICATION(S) ACCREDITATION(S)

BCCERT - Breast Centres Certification

Expiration date: 29 April 2021



Certification document (original lang.)

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** 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)

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)** 1000
- Dedicated Breast Surgeons** 9
- Surgeons with more than 50 surgeries per year** 9
- Breast Surgery beds** 10
- Breast Nurse specialists** 3
- 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** 8
- ✓ **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
- ✓ Fat Grafting (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
- ✓ Ki67

Medical Oncology

- ✓ **Dedicated Breast Medical Oncologists** 6
- ✓ **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)

Hypofractionation, IMRT, Stereotactic radiosurgery (VMAT) research

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

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

Corrado Tinterri, MD	Chief of Breast Center Humanitas	corrado.tinterri@cancercenter.humanitas.it	+390282244012
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Radiology

Paolo Malerba, MD	Chief of Breast Imaging Dpt.	paolo.malerba@cancercenter.humanitas.it	+393358232768
Luca Balzarini, MD	Chief of Radiology Dpt.	luca.balzarini@cancercenter.humanitas.it	+390282246659
Cristiana Bonifacio, MD	Attending Breast MRI	cristiana.bonifacio@cancercenter.humanitas.it	+390282246623
Federica Mrakic Sposta, MD	Attending Breast MRI	federica.mrakicsposta@cancercenter.humanitas.it	+390282246623
Daniela Bernardi, MD	Head of Radiology Breast Departement	daniela.bernardi@humanitas.it	
Gabriele Levrini, MD	Radiologist	gabriele.levrini@humanitas.it	

Breast Surgery

Corrado Tinterri, MD	Chief of the Breast Unit	corrado.tinterri@cancercenter.humanitas.it	+390282244012
Wolfgang Gatzemeier, MD	Deputy Chief	wolfgang.gatzemeier@cancercenter.humanitas.it	+393357025589
Marco Eboli, MD	Attending Surgeon	marco.eboli@cancercenter.humanitas.it	+390282244052
Arianna Rubino, MD	Attending Surgeon	arianna.rubino@cancercenter.humanitas.it	+390282244524
Carlo Rossetti, MD	Attending Surgeon	carlo.rossetti@cancercenter.humanitas.it	+390282244519
Andrea Sagona, MD	Attending Surgeon	andrea.sagona@cancercenter.humanitas.it	+390282245914
Alberto Testori, MD	Associate Director	alberto.testori@humanitas.it	+390282244603
Erika Barbieri, MD	Attending Surgeon	erika.barbieri@humanitas.it	+390282245924
Valentina Errico, MD	Attending Surgeon	valentina.errico@humanitas.it	+390282244614

Reconstructive Surgery

Marco Klinger, MD	Chief of Plastic and Reconstructive Surgery Dpt.II	marco.klinger@cancercenter.humanitas.it	+390282244072
Silvia Giannasi, MD	Attending Surgeon	silvia.giannasi@cancercenter.humanitas.it	+393397685568
Valeria Bandi, MD	Attending Surgeon	valeria.bandi@cancercenter.humanitas.it	+393358125023
Simone Grappolini, MD	Chief of Plastic and Reconstructive Surgery Dpt. I	simone.grappolini@cancercenter.humanitas.it	+390282244629
Alessandra Veronesi, MD	Attending Surgeon	alessandra.veronesi@cancercenter.humanitas.it	+390282244539
Luca Maione, MD	Attending Surgeon	luca.maione@humanitas.it	
Barbara Catania, MD	Attending Surgeon	barbara.catania@humanitas.it	
Valeriano Vinci, MD	Attending Surgeon	valeriano.vinci@humanitas.it	

Pathology

Bethania Fernandes, MD	Deputy Chief of Breast Pathology Dpt.	bethania.fernandes@cancercenter.humanitas.it	+390282244704
Luca Di Tommaso, MD	Chief of Breast Pathology Dpt.	luca.di_tommaso@cancercenter.humanitas.it	+390282244715

Medical Oncology

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Armando Santoro, MD	Chief of Medical Oncology Dpt.	armando.santoro@cancercenter.humanitas.it	+390282244540
Rosalba Torrisi, MD	Chief of Breast Medical Oncology Dpt.	rosalba.torrisi@cancercenter.humanitas.it	+390282245918
Giovanna Masci, MD	Attending Medical Oncologist	giovanna.masci@cancercenter.humanitas.it	+390282244671
Monica Zuradelli, MD	Attending Medical Oncologist	monica.zuradelli@cancercenter.humanitas.it	+390282243518
Agnese Losurdo, MD	Attending medical Oncologist	agnese.losurdo@humanitas.it	

Radiotherapy

Marta Scorsetti, MD	Chief of Radiotherapy Dpt.	marta.scorsetti@cancercenter.humanitas.it	+390282248524
Pierina Navarria, MD	Attending Radiation Oncologist	piera.navarria@cancercenter.humanitas.it	+390282248521
Davide franceschini, MD	Attending Radiation Oncologist	davide.franceschini@humanitas.it	

How to reach us



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From airport:

FROM MALPENSA AIRPORT: Take highway A8 towards Milan. Take the Outer Ring Road West (Tangenziale Ovest) and exit at Ticinese/Rozzano. Continue following the indications described below 'By car from the highway'. FROM LINATE AIRPORT: Take Outer Ring Road East (Tangenziale est) towards Genoa, get into Outer Ring Road West (Tangenziale Ovest) and exit at Ticinese/Rozzano. Continue following the indications described below 'By car from the highway'.

By train:

FROM CENTRAL TRAIN STATION (STAZIONE CENTRALE): Take the Inner Ring Road (Circonvallazione interna 'dei Bastioni') towards the city until Porta Ticinese, continue following the indications described below 'By car from Downtown Milan'.

By bus or sub-way/underground:

SUBWAY: Subway Green line (Line 2) towards the end Abbiategrasso. Exit to ground level at Abbiategrasso, take Humanitas Shuttle (Navetta).
TRAM: Take tram 15 towards outbound. Get off at Abbiategrasso and take Humanitas Shuttle (Navetta) or get

off at the end of the Tram line (longer duration) and get the same Shuttle (stops at Abbiategrasso and at last Tram stop).

By car:

FROM DOWNTOWN MILAN (MILANO CENTRO): Straight from Porta Ticinese, corso San Gottardo, via Meda, via Montegani, via dei Missaglia, then follow the indications for 'Istituto Clinico Humanitas' or 'Basiglio - Milano 3'. FROM THE HIGHWAY: From all highway exits, follow the indications for Outer Ring Road West (Tangenziale Ovest), exit at Ticinese/Rozzano. After the stop to connect with highway 'dei Giovi' (ss35), turn right. At first traffic lights, turn right again in via M. Amiata, which becomes via Isonzo, then, still to the right and follow the indications for 'Istituto Clinico Humanitas'.

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