



# BREAST CENTRES NETWORK

Synergy among Breast Units

## ★ ASST Mantova - Mantova, Italy

### General Information



**New breast cancer cases treated per year** 310

**Breast multidisciplinary team members** 13

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

**Clinical Director:** Massimo Busani, MCh

The Breast Unit of Mantua ASST operates as a corporate reference centre for the prevention, diagnosis and treatment of breast disease. With a view to a total and multidisciplinary take-over of the breast patient, dedicated specialists such as radiologists, pathologists, surgeons / reconstructors, oncologists, geneticists, radiotherapists, nuclear doctors, psychologists, gynecologists, physiotherapists and nutritionists operate within the BU. Surgical activity is carried out by the same team, both on outpatient and hospitalization level, in the three hospitals of the company. Weekly multidisciplinary meeting represent the decision-making moment of all the activities: on the basis of the clinical-instrumental data acquired, the most appropriate therapeutic indication is shared in compliance with a pre-established PDTA and national and international guidelines. The BU is accompanied by both Mammographic Screening for the early diagnosis of breast cancer, and Genetic Counseling Clinic for the management of patients with hereditary or high family risk pathology.

### ASST Mantova

Via Lago Paiolo 10

46100 Mantova,

Phone: +390376201653

Fax: +390376201653

E-mail: [senologia.mantova@asst-mantova.it](mailto:senologia.mantova@asst-mantova.it)

Web-site: [www.asst-mantova.it](http://www.asst-mantova.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** 4
- Mammograms per year** 21000
- 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)** 367
- Dedicated Breast Surgeons** 4
- Surgeons with more than 50 surgeries per year** 4
- Breast Surgery beds** 6
- Breast Nurse specialists**
- 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** 3
- 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

## 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)
- SISH

### 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
- Ki-67

## Medical Oncology

- Dedicated Breast Medical Oncologists** 2
- 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

Data Manager

## Further Services and Facilities

**Nuclear Medicine**

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

ROLL /SNOLL

**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

Massimo Busani, MCh	Clinical Director	<a href="mailto:massimo.busani@asst-mantova.it">massimo.busani@asst-mantova.it</a>	+39-0376201509
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## Radiology

Susanna Carra, MD	Director of the Mammographic Centre	<a href="mailto:susanna.carra@asst-mantova.it">susanna.carra@asst-mantova.it</a>	+39-0376201975
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FRANCESCA BRUGNETTINI, MD	RADIOLOGIST	<a href="mailto:francesca.brugnetтини@asst-mantova.it">francesca.brugnetтини@asst-mantova.it</a>	
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## Breast Surgery

Massimo Busani, MCh	Director	<a href="mailto:massimo.busani@asst-mantova.it">massimo.busani@asst-mantova.it</a>	+39-0376201509
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ADELE CALZOLARO, MD	BREAST SURGEON	<a href="mailto:adele.calzolaro@asst-mantova.it">adele.calzolaro@asst-mantova.it</a>	00390376201246
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Alessandro Germano, MD	BREAST SURGEON	<a href="mailto:alessandro.germano@asst-mantova.it">alessandro.germano@asst-mantova.it</a>	00390376201246
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Anna Neri, MD	BREAST SURGEON	<a href="mailto:anna.neri@asst-mantova.it">anna.neri@asst-mantova.it</a>	00390376201246
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## Reconstructive Surgery

Massimo Busani, MCh	Director	<a href="mailto:massimo.busani@asst-mantova.it">massimo.busani@asst-mantova.it</a>	+39-0376201509
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## Pathology

Rosa Rinaldi, MCh	Director	<a href="mailto:rosa.rinaldi@asst.mantova.it">rosa.rinaldi@asst.mantova.it</a>	+39-0376201590
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## Medical Oncology

Anita Rimanti, MCh	Co-Director	<a href="mailto:anita.rimanti@asst-mantova.it">anita.rimanti@asst-mantova.it</a>	+39-0376201655
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## Radiotherapy

Marcello Amadori, MCh	Director	<a href="mailto:marcello.amadori@asst-mantova.it">marcello.amadori@asst-mantova.it</a>	+39-0376201530
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Nicoletta Pietta, MD	Radiotherapist	<a href="mailto:nicoletta.pietta@asst-mantova.it">nicoletta.pietta@asst-mantova.it</a>	00390376201530
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## How to reach us

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**From airport:**

The nearest airport is Verona (Valerio Catullo airport) just 30 Km from Mantova. 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 trains regularly arrive in Mantova. From the railway station it takes about 12 minutes by bus: line n°4S, 5, 7E (every 15 minutes) and 5 minutes by Taxi.

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

The Hospital is near the city centre, therefore it is served by many buses both from the city center and from outside: line n° 4S, 4T, 5, 7E. The Hospital is quite big and has three entrances, one for car parking, and two pedestrian entrances, one on via Pompilio one on via Albertoni. The Breast Unit is located inside the Senology Departemnt block A, third floor.

**By car:**

Coming from the highway A22 Modena-Brennero, we recommend 'Mantova nord' exit. From the exit follow the indications 'Ospedale'.

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