



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Azienda Ospedaliero-Universitaria Di Pisa - Ospedale S. Chiara - Pisa, Italy

General Information



New breast cancer cases treated per year **650**

Breast multidisciplinary team members **20**

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

Clinical Director: **Manuela Roncella, MD**

In our Breast Unit, women with breast disease, even in young age, can refer to a diagnostic-therapeutic and rehabilitative multidisciplinary team to receive the best care and the maximum chance of recovery. For outpatient-visits (with known or suspected breast disease), the high priority access is guaranteed by CORD-Tuscan Cancer Institute service that includes a front office and a telephone service (available at +39050993576 with the same time schedule) or email: cordsenologia@ao-pisa.toscana.it. CORD is responsible for the organisation of the of diagnostic and therapeutic steps, in collaboration with all the units involved: in particular surgery and radiology. The core of the breast unit is represented by the surgical unit, that performs about 1100 procedures/year for 650 new breast cancer. The surgical activity is distributed from Monday to Friday on two operating rooms in which breast surgeons and plastic surgeons alternate and work in team. In the center, patients can find the most innovative protocols about interventional diagnosis, MRI, intraoperative radiation therapy, reconstructive oncoplastic methods and oncology trials.

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E-mail: senologia@ao-pisa.toscana.it

Web-site: www.pisabreast.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** 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)
- tomosintesis

Available work-up imaging equipment

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

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)** 950
- Dedicated Breast Surgeons** 5
- Surgeons with more than 50 surgeries per year** 3
- Breast Surgery beds** 9
- 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** 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

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

nuclear medicine

Further Services and Facilities

Nuclear Medicine

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

mammoscintigraphy

Rehabilitation

Prosthesis service

Physiotherapy

Lymph-oedema treatment

scar retraction 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

Manuela Roncella, MD	Head of Breast Surgery Unit, Clinical Director of Breast Unit	m.roncella@ao-pisa.toscana.it	+39050993553
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Radiology

Carolina Marini, MD	Director of Breast Radiology Unit	ca.marini@ao-pisa.toscana.it	+39050992510
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Breast Surgery

Matteo Ghilli, MD	Staff Surgeon	m.ghilli@ao-pisa.toscana.it	+39050993553
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Reconstructive Surgery

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Pathology

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Medical Oncology

Andrea Michelotti, MD	Breast Oncologist	a.michelotti@ao-pisa.toscana.it	
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Radiotherapy

Stefano Spagnesi, MD	Breast Radiotherapist	s.spagnesi@ao-pisa.toscana.it	
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How to reach us



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Web-site: www.pisabreast.it

From airport:

From Pisa airport, take the bus LAM ROSSA.

By train:

At the train station, take the bus LAM ROSSA.

By bus or sub-way/underground:

LAM ROSSA.

By car:

The hospital is close to the famous Leaning Tower. Superstrada Firenze-Pisa-Livorno: Pisa Centro exit.

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