



BREAST CENTRES NETWORK

Synergy among Breast Units

★ IRCCS SanMartino-IST - Genova, Italy

General Information



New breast cancer cases treated per year 650

Breast multidisciplinary team members 34

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

Clinical Director: Daniele Friedman, MD

Historically in Genoa two main Institutions cooperate in the field of breast cancer management: the National Cancer Institute (UNI EN ISO 9001: 2008 certification) and the breast Unit of SanMartino University hospital (UNI EN ISO 9001: 2008 certification), unified, at present, in the IRCCS SanMartino-IST that is a public no-profit institution. The dedicated team offers a multidisciplinary approach for diagnosis and treatment of breast pathology. Therefore, the institution is a centre of National interest and an integral part of the regional health service.

IRCCS SanMartino-IST

Largo Rosanna Benzi 10

16132 Genova,

Phone: +3901056001

Fax: +390105600316

E-mail: plsanti@unige.it

Web-site: www.hsanmartino.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** 6
- Mammograms per year** 20000
- 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)
- thomosynthesis-breast biopsy

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)** 1180
- Dedicated Breast Surgeons** 7
- Surgeons with more than 50 surgeries per year** 6
- Breast Surgery beds** 30
- Breast Nurse specialists** 10
- 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** 5
- ✓ **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** 5

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** 5
- ✓ **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

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

Daniele Friedman, MD	Chief of the Surgical Team	daniele.friedman@hsanmartino.it	+39 0105600726
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Radiology

Massimo Calabrese, MD	Head Of Radiology Dpt.	massimo.calabrese@istge.it	+390105600758
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Tiberio Massa, MD	Chief of Radiology Dpt.	tiberio.massa@hsanmartino.it	+39 0105555337
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Breast Surgery

Daniele Friedman, MD	Chief of Breast Surgery University	friedman@unige.it	+390105600726
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Reconstructive Surgery

Pierluigi Santi, MD	Head Of Plastic Surgery Dpt.	plsanti@unige.it	+390105600883
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Pathology

Mauro Truini, MD	Head of Pathology Dpt.	mauro.truini@istge.it	+390105600377
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Roberto Fiocca, MD	Head of Pathology University	fiocca@unige.it	+390105552981
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Medical Oncology

Lucia Del Mastro, MD	Referent Oncologist	lucia.delmastro@istge.it	+390105600387
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Alberto Ballestrero, MD	Head of Medical Oncology University	aballestrero@unige.it	+390103538668
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Radiotherapy

Corvò Renzo, MD	Head Of Radiotherapy Dpt.	renzo.corvo@istge.it	+390105600365
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How to reach us

**IRCCS SanMartino-IST**

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From airport:

Cristoforo Colombo airport: volabus to 'Principe' train station and then bus n°18.

By train:

'Principe' or 'Brignole' Stations: bus n°18.

By bus or sub-way/underground:

Bus 18, 17.

By car:

On the motorway from west, exit Genova Ovest, then elevateway, Corso Italia, Via Cavallotti, Via Orsini, Piazza San Martino, via Lagustena, via Mosso. from east: exit motorway Genova Nervi, Corso Europa, via Mosso.

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