



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Candiolo Cancer Institute - FPO, IRCCS - Candiolo, Italy

General Information



New breast cancer cases treated

Breast multidisciplinary team

Radiologists, surgeons, pathologists, medical oncologists, breast nurses

The mission of the Institute for Cancer Research and Treatment (IRCC) of Candiolo is to make a significant contribution to breast cancer research and by providing optimal diagnostic and therapeutic services. The interaction between experimental and innovative biological models into the clinic. An "interdisciplinary group of cure" (IGC) is responsible for the management and coordination of clinical activities, formal auditing and revision of procedures. The breast IGC is composed by all radiologists, breast surgeons, plastic surgeons, pathologists, medical oncologists, radiotherapists, nuclear medicine physicians, breast nurses. Over the last 15 years, the IRCC has consolidated its reputation as one of the leading breast cancer centers in Italy, with a high number of primary breast cancer treated per year and constant scientific production.

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Available services

- Radiology
- Breast Surgery
- Reconstructive/Plastic Surgery
- Pathology
- Medical Oncology
- Radiotherapy

- Nuclear Medicine
- Rehabilitation
- Genetic Counselling
- Data Management
- Psycho-oncology
- Breast Nurses

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Radiology

- Dedicated Radiologists 3
- Mammograms per year 3500
- 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

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Breast Surgery

- New operated cases per year (benign and malignant) 559
- Dedicated Breast Surgeons 3
- Surgeons with more than 50 surgeries per year 3
- Breast Surgery beds 10
- Breast Nurse specialists 1
- Outpatient surgery
- Intra-operative evaluation of sentinel node
- Reconstruction performed by Breast Surgeons
- Clinical Research

Primary technique for staging the ax

- 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

- ✓ Remodelling after breast-conserving
- ✓ Reconstruction after mastectomy:
 - ✓ Two-stage reconstruction (tissue expander)
 - ✓ One-stage reconstruction
 - ✓ Autogenous tissue flap
 - ✓ Latissimus dorsi flap
 - Transverse rectus abdominis (TRAM)
 - Free-flaps (free TRAM, DIEP, SIEPP)
- ✓ Surgery on the contralateral breast
- ✓ Lipofilling, Extended LD flap

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/neu
- Oncotype Dx (21-gene assay)
- MammaPrint (70-gene microarray)
- Prediction Analysis of Microarray 50

Parameters included in the final pathology report

- ✓ Pathology stage (pT and pN)
- ✓ Tumour size (invasive component in cm)
- ✓ 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** 3
- ✓ **Outpatient systemic therapy**
- ✓ **Clinical Research**

Radiotherapy

Dedicated Radiation Oncologists

Clinical Research

Available techniques after breast-co

- Whole-Breast RT (WBRT)
- Partial breast irradiation (PBI):
 - External beam PBI
 - Interstitial brachytherapy
 - Targeted brachytherapy (Mammo)
 - 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

- 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 Counsell
 - Dedicated Clinical Geneticist
 - Medical Oncologist
 - Breast Surgeon
 - General Surgeon
 - Gynaecologist
- Genetic Testing available
- Surveillance program for high-risk v

Data Management

- Database used for clinical informati
- Data manager available

Contact details

Radiology

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Breast Surgery

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Reconstructive Surgery

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Pathology

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How to reach us



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From airport:

From 'Sandro Pertini' international airport in Caselle, you can reach the institute by taxi or take a bus to Torino(<http://www.sadem.it/upload/orari/estivi/000268.pdf>) and then to the Institute(http://www.autoservizinovarese.it/admin/file_orari/LINEA%20TORINO%20IRCC%20VOLVERA%20DA

By train:

You can reach 'Porta Nuova' railway station in Torino (www.trenitalia.it) and then the Institute by taxi or bus connection(http://www.autoservizinovarese.it/admin/file_orari/LINEA%20TORINO%20IRCC%20VOLVERA%20DA). Alternatively, from Candiolo railway station(www.trenitalia.it) you can reach the Institute by bus (www.autoservizi.it).

By bus or sub-way/underground:

<http://www.autoservizinovarese.it/>; <http://www.sadem.it/oraristampabili2.asp#>; <http://www.buscompany.it/>

By car:

The IRCC is just outside Candiolo, near Torino - Piemonte (Italia).

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