



BREAST CENTRES NETWORK

Synergy among Breast Units

★ European Institute of Oncology - Milano, Italy

General Information



New breast cancer cases treated per year 2599

Breast multidisciplinary team members 58

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

Clinical Director: Paolo Veronesi

In May 1994, at the birth of the European Institute of Oncology (IEO), the IEO Breast Unit also arose. Breast Cancer, therefore, becomes the driving and specific area of the Institute, bringing together the best skills for prevention, diagnosis, treatment and rehabilitation. The IEO has conceived and demonstrated the scientific and clinical validity of the most famous and effective surgical treatment techniques adopted today all over the world: - ROLL (radiolocation of non-palpable breast lesions), - the radio histological technique for the localization of the sentinel lymph node (albumin conjugated to Tc99) and the extensive intraoperative histological technique for biological examination - the nipple-sparing mastectomy, which in the case of mastectomy provides for the preservation of the areola and nipple complex, if free from disease - ELIOT In the recent reorganization, which involved the IEO clinical activity, the strength of the IEO Senology Program emerged which creates the ideal conditions for the personalization of the approach to breast cancer patients in the Italian and European environment. With the Senology Program, the IEO has brought together multidisciplinary excel

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CERTIFICATION(S) ACCREDITATION(S)

BCCERT - Breast Centres Certification

Expiration date: 06 March 2022



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** 14
- Mammograms per year** 22039
- 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)
- digital mammography with tomosynthesis

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)** 2599
- Dedicated Breast Surgeons** 22
- Surgeons with more than 50 surgeries per year** 22
- Breast Surgery beds** 26
- Breast Nurse specialists** 2
- 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** 12
- ✓ **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

Pathology

- ✓ **Dedicated Breast Pathologists** 6

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** 13
- ✓ **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

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Radiology

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Breast Surgery

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Reconstructive Surgery

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Pathology

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Medical Oncology

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Radiotherapy

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How to reach us



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From airport:

From Malpensa Airport, take the shuttle to the Central Station, then follow the directions above Direct connection from the Linate airport to IEO Take bus no.73 (Via Larga), then follow the direction above from central Milan.

By train:

From the Central Station, take Underground line 2 (green line) to Abbiategrasso station, then take the IEO shuttle. Or take Underground line 3 (yellow line) to Crocetta Stations, then tram no.24 (direction Vigentino) to the terminus, and then bus no.99 or no.222 (direction Noverasco) and get off at the next stop.

By bus or sub-way/underground:

From central Milan, take tram no. 24 direction Vigentino to the terminus, then take bus no. 99 (direction Noverasco) or bus no. 222 (direction Pieve Emanuele) and get off at the following stop (Ripamonti – Macconago).

By car:

From city centre, go south from Corso di Porta Romana to corso di Porta Vigentina and on to Via Ripamonti

up to no. 435. From the motorways A8 (Varese) - A9 (Como) - A4 (Torino) - A7 (Genova): take Tangenziale Ovest up to the Val Tidone-Milano Vigentina exit and stay on this route in the direction of Milan Centro; take via Ripamonti up to no. 435. Parking in IEO: the Institute provides a multi-storey underground car park, which is accessed directly from the main entrance. Upon arrival, an officer of the surveillance will give you the necessary information

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