



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Azienda Ospedaliera Universitaria Integrata - Verona, Italy

General Information



New breast cancer cases treated per year **500**

Breast multidisciplinary team members **21**

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

Clinical Director: **Annamaria Molino, MD**

The 'Gruppo Senologico Veronese' (GSV) is a functional breast unit and a department of more than 20 units involved in breast cancer management. The GSV members follow every woman who receives breast cancer surgery within the Azienda Ospedaliera Universitaria Integrata of Verona and offer them an optimal treatment, complying to the International Breast Cancer Guidelines. Our objectives are: 1. Quality control (data analysis is performed by the Breast Cancer Registry. RTO and results are shown and discussed within group meetings); 2. Organization; 3. Research (the availability of RTO is the basis for research protocols and interdisciplinary collaborative papers published in international journals); 4. Development of Guidelines through periodic updates and revisions in accordance with scientific literature; 5. Information (through our web site); 6. Teaching and training (periodical CME meetings); 7. Collaboration with family doctors and health professionals.

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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

- Social Workers
- Nutritional Counselling
- Survivorship Groups
- Sexual Health Counselling
- Supportive and Palliative Care
- Integrative Medicine

Radiology

- Dedicated Radiologists** 5
- Mammograms per year** 16000
- 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

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)** 500
- Dedicated Breast Surgeons** 3
- Surgeons with more than 50 surgeries per year** 3
- Breast Surgery beds** 15
- Breast Nurse specialists** 5
- 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** 1
- 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** 4

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
- ki 67

Medical Oncology

- Dedicated Breast Medical Oncologists** 3
- 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

Laboratory, Rehabilitation

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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Radiotherapy

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How to reach us



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From airport:

Airport Valerio Catullo (Information: +390458095666): shuttle-bus every 20 minutes (from 6.10AM to 11.10PM) to Verona Porta Nuova Station.

By train:

Verona Porta Nuova Station (Call Centre: +39848888088 - from 7.00AM to 10.00PM).

By bus or sub-way/underground:

B.go Trento Hospital: from Porta Nuova Station buses 21-22-23-24 (every 20') and bus 41 (every 40').

Ospedale B.go Roma: from Porta Nuova station line 21-22 (every 20') and line 94 (every 40'). Ospedale San

Bonifacio: from Porta Nuova Station (APT). Ospedale Marzana: from Porta Nuova Station (APT).

By car:

B.go Trento and B.go Roma Hospitals: Highway A4 Milano-Venezia, exit 'Verona Sud' or 'Verona Nord' and then follow directions.

Last modified: 20 April 2011