



# BREAST CENTRES NETWORK

Synergy among Breast Units

## ★ MD Anderson Cancer Center. Madrid. España - Madrid, Spain

### General Information



**New breast cancer cases treated per year** 280

**Breast multidisciplinary team members** 14

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

**Clinical Director:** Luis Cabañas Navarro, DM

Settled in Madrid since 2001, the Hospital Oncologico MD Anderson is the first dedicated Comprehensive Cancer Center in Spain. The hospital comprises 80 beds, four operating rooms, a large radiotherapy department and outpatient clinics. The Breast Unit is part of the Surgical Oncology Department and was established in 2002 for the multidisciplinary diagnosis and treatment of breast diseases. Breast cancer surgery is provided by two dedicated Consultant Breast Surgeons (Dr. Cabañas-Navarro and Dr. Ortega-Pérez) who also lead a highly motivated multidisciplinary team of breast specialists that meet weekly to collegially discuss all newly diagnosed cases. Chemotherapy and Radiation therapy are administered on site. A broad spectrum of surgical procedures including sentinel lymph node biopsy, radioguided occult lesion localization (ROLL) and immediate breast reconstruction are currently provided.

### **MD Anderson Cancer Center. Madrid. España**

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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** 2
- Mammograms per year** 650
- 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)
- MamoPET

**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)** 305
- Dedicated Breast Surgeons** 3
- Surgeons with more than 50 surgeries per year** 3
- Breast Surgery beds** 8
- 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** 4
- 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** 3

### 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** 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

## Further Services and Facilities

**Nuclear Medicine**

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

MammoPET

**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

Luis Cabañas Navarro, DM	Breast Surgeon	<a href="mailto:lcabanas@mdanderson.es">lcabanas@mdanderson.es</a>	+34917878600
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## Radiology

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Silvia Pérez Rodrigo	Interventional Breast Radiologist		

## Breast Surgery

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Jacobo Cabañas Montero, DM	Breast Surgeon	<a href="mailto:jcabanas@mdanderson.es">jcabanas@mdanderson.es</a>	

## Reconstructive Surgery

Emilio García Tutor, DM	Chief, Plastic and Reconstructive Surgery		+34917878600
Gema Bustos	Staff Plastic Surgeon		
Antonio Vila Salobral	Staff Plastic Surgeon		
Juan Hernández Godoy	Staff Plastic Surgeon		

## Pathology

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## Medical Oncology

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Raquel Bratos Lorenzo	Breast Medical Oncologist		

## Radiotherapy

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How to reach us



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**From airport:**

From Barajas Airport: take subway line 8 to Colombia Station, change to line 9 to Duque de Pastrana or Pío XII Station. Then take the bus 107 or 29 to Arturo Soria Street.

**By train:**

From Chamartin Train Station: take the subway line 10 to Plaza de Castilla, change to line 1 to Pinar de Chamartin Station and walk 15 minutes to the Hospital.

From Príncipe Pío Train Station: take the subway line 6 to Avenida de América, change to line 9 to Duque de Pastrana or Pío XII Station. Then take the bus 107 or 29 to Arturo Soria Street.

From Atocha Train Station: take the subway line 1 to Pinar de Chamartin Station. Then walk 15 minutes to the Hospital.

**By bus or sub-way/underground:**

BUS nº 7 - From Alonso Martínez

BUS nº 29 - From Felipe II / Príncipe de Vergara

BUS nº 107 - From Plaza de Castilla

BUS nº 150 - From Sol to Avda.San Luis / Arturo Soria

BUS nº 250 - From Colón to Avda.San Luis / Arturo Soria

Subway Line 1 - Pinar de Chamartín Station. Walk 15 minutes to the Hospital.

Subway Line 9 - Duque de Pastrana Station. Take bus 107 to Arturo Soria Street.

Subway line 9 - Pío XII Station. Take bus 29 to Arturo Soria Street.

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