



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Centro Oncológico MD Anderson International España - Madrid, Spain

General Information



New breast cancer cases treated per year **180**

Breast multidisciplinary team members **15**

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

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

Settled in Madrid since 2001, the Hospital Oncológico 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.

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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** 550
- 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)** 158
- Dedicated Breast Surgeons** 4
- Surgeons with more than 50 surgeries per year** 2
- 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 _____ 2

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

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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|--------------------------|----------------|--|--------------|
| Luis Cabañas Navarro, DM | Breast Surgeon | lcabanas@mdanderson.es | +34917878600 |
|--------------------------|----------------|--|--------------|

Radiology

| | | |
|--------------------------|-----------------------------------|--|
| Jose Luis Pérez-Aranda | Interventional Breast Radiologist | jlperez@mdanderson.es |
| Javier Blazquez Sánchez | Chief of Radiology Dpt. | jblazquez@mdanderson.es |
| Elisa Dieguez Costa | Breast MR | ediequez@mdanderson.es |
| Emilio Huelga Zapico, DM | Breast MRI, Breast US | ehuelga@mdanderson.es |

Breast Surgery

| | | |
|----------------------------|--------------------------------|--|
| Gloria Ortega Pérez | Breast Surgeon | gortega@mdanderson.es |
| Luis Cabañas Navarro | Breast Surgeon | lcabanas@mdanderson.es |
| Jacobo Cabañas Montero, DM | Breast Surgeon | jcabanas@mdanderson.es |
| Vicente Muñoz Madero, DM | Breast and Oncoplastic Surgeon | vmunoz@mdanderson.es |

Reconstructive Surgery

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|--------------------------------|---------------|--|--------------|
| José Ramón Castelló Fortet, DM | Staff Surgeon | jrcastello@mdanderson.es | +34917878600 |
|--------------------------------|---------------|--|--------------|

Pathology

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|-----------------------------|-------------------------|--|
| Alejandro Rojo Sebastian | Breast Pathologis | arojo@mdanderson.es |
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| Gemma Toledo Santana | Breast Pathologist | gtoledo@mdanderson.es |

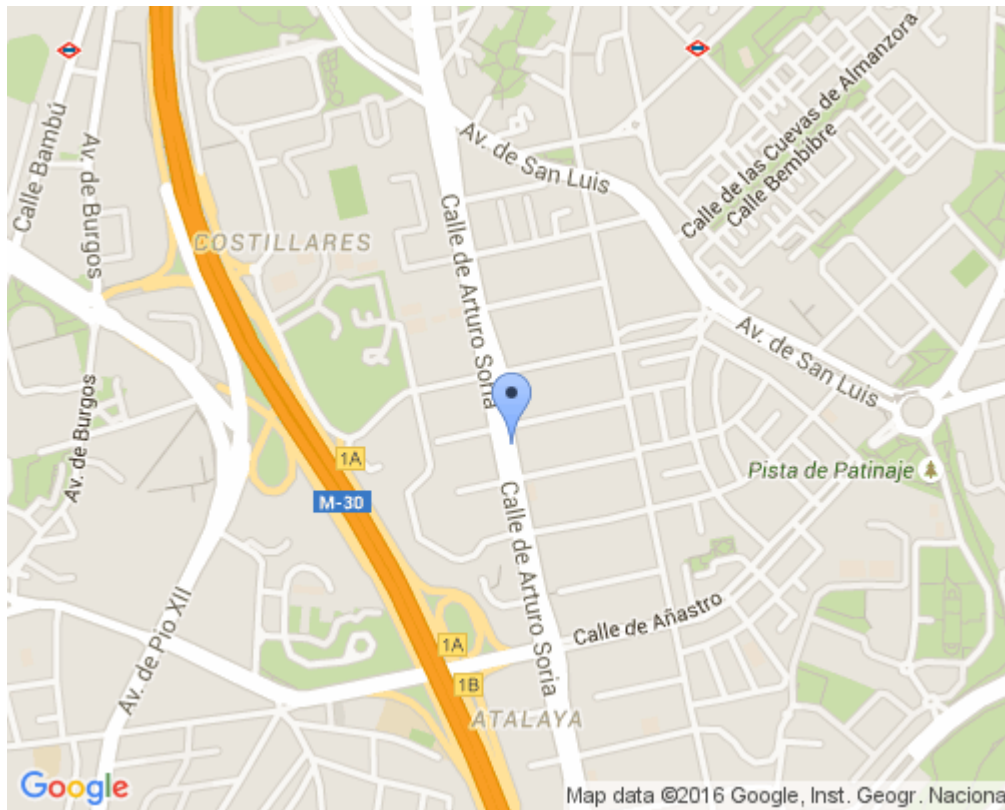
Medical Oncology

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|---------------------------|--------------------------------|--|
| Antonio González Martin | Chief of Medical Oncology Dpt. | agonzalezm@mdanderson.es |
| Susana de la Cruz Sánchez | Breast Oncologist | sdelacruz@mdanderson.es |
| Raúl Márquez | Breast Oncologist | rmarquez@mdanderson.es |
| Manuel González Barón | Breast Oncologist | mgonzalez@mdanderson.es |

Radiotherapy

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|---------------------------|---------------------------------|--|
| Natalia Carballo González | Chief of Radiation Therapy Dpt. | ncarballo@mdanderson.es |
| Cristina Garran del Río | Breast Radiation Therapy | cgarran@mdanderson.es |

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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