In our Breast Cancer Unit we have a model that integrates different levels of care ensuring early detection and timely treatment in order to achieve better health outcomes. We offer: Specialized Medical Consultation, Mastology, Gynecology-Oncology, Clinical Oncology, Pain and Palliative Care, Raidoterapia in Integrated Services Network, Priority Attention, Reconstructive Plastic Surgery, Oncology, Rehabilitation, Oncology psychology, Outpatient surgery, Mastectomy, Quadrantectomy, Sentinel Node, Breast reconstruction with or without placement of prosthesis or expander, Chemotherapy room care by multidisciplinary team, Hospitalization and radiotherapy in an Integrated Services Network.

Clinic Life/ Clinic Medellin / University CES
Street 10 A No. 22 - 04
05001000 Medellin, Colombia
Phone: +57-034-4440059
Fax: +574 448 00 16
E-mail: oalejobonilla@yahoo.es
Web-site: http://www.ces.edu.co/
**CERTIFICATION(S) ACCREDITATION(S)**

**Ministry of Health**  
Expiration date: 01 June 2016

Sectional Health Service De Antioquia

This Centre has notified to be certified and, as such, been requested to upload the certification document for further information. When the certification document/s is/are provided, it is/they are made available hereafter.
### Available services

- Radiology
- Nuclear Medicine
- Social Workers

- Breast Surgery
- Radiation
- Pathology
- Nutritional Counselling

- Reconstructive/Plastic Surgery
- Genetic Counselling
- Survivorship Groups

- Medical Oncology
- Data Management
- Sexual Health Counselling

- Psycho-oncology
- Psycho-oncology
- Supportive and Palliative Care

- Radiotherapy
- Breast Nurses
- Integrative Medicine

### Radiology

- **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)** 600
- **Dedicated Breast Surgeons** 3
- **Surgeons with more than 50 surgeries per year** 5
- **Breast Surgery beds** 5
- **Breast Nurse specialists** 3
- **Intra-operative evaluation of sentinel node** 1
- **Outpatient surgery**
- **Reconstruction performed by Breast Surgeons**

### 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**
- **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**

#### 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**
- **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
<table>
<thead>
<tr>
<th>Contact details</th>
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<tbody>
<tr>
<td><strong>Radiology</strong></td>
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<tr>
<td>Aurelio Gonzalez, MD</td>
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<td>Ana Maria Carvajal, MD</td>
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<td>Alejandro Misas, MD</td>
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<td>Gustavo Matute, MD</td>
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<td>Nestor Eduardo Llinas Quintero, MD</td>
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<td>David Ignacio Gomez Duque, MD</td>
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Phone: +57-034-4440059
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E-mail: oalejobonilla@yahoo.es
Web-site: http://www.ces.edu.co/

From airport:
International Airport José María Córdova, Rionegro, Antioquia, Colombia

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