Cork University Hospital - Cork, Ireland

General Information

<table>
<thead>
<tr>
<th>New breast cancer cases treated per year</th>
<th>336</th>
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<td>Breast multidisciplinarity team members</td>
<td>25</td>
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Radiologists, surgeons, pathologists, medical oncologists, radiotherapists and nurses

Clinical Director: Louise Kelly, FRCS, MCh

The Breast Unit in Cork University Hospital is one of the newly designated eight cancer centres in Ireland. It serves the south of Ireland from Limerick and Waterford down to Cork and Kerry. Over 5000 patients were seen in the newly refurbished centre in the past year. Medical oncology and radiation oncology are provided onsite, and patient management is truly multidisciplinary. The centre is under continuous audit from the National Cancer Control Programme, with multiple Key Performance Indicators being returned on monthly and annual basis. The unit achieves high compliance with targets as set by the NCCP.

Cork University Hospital

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Available services

Radiology

- Dedicated Radiologists: 7
- Mammograms per year: 8160
- 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)
- CT enhanced mammography

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): 358
- Dedicated Breast Surgeons: 5
- Surgeons with more than 50 surgeries per year: 4
- Breast Surgery beds: 38
- Breast Nurse specialists: 7
- 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**: 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)
- These studies are sent out of the unit but are routinely arranged

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**: 2
- **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
- Clinical trials Nurse

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
  - Medical oncologist, breast surgeon and clinical geneticist from Dublin

- 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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<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Louise Kelly, FRCS, MCh</td>
<td>Clinical lead for Breast Service/ Breast Surgeon</td>
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#### Radiology

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<th>Name</th>
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<tr>
<td>Lorna Duddy, FRCR</td>
<td>Consultant Radiologist</td>
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#### Breast Surgery

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<tr>
<td>Louise Kelly, FRCS, MCh</td>
<td>Breast Surgeon</td>
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#### Reconstructive Surgery

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<td>Jason Kelly, FRCS</td>
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#### Pathology

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<tr>
<td>Bill Bennett, FRCPath</td>
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<td>+353858132690</td>
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#### Medical Oncology

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<td>Seamus O'Reilly, MRCP</td>
<td>Consultant Medical Oncologist</td>
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#### Radiotherapy

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<tr>
<td>Paul Kelly</td>
<td>Consultant Radation Oncologist</td>
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How to reach us

Cork University Hospital

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n/a Cork, Ireland
Phone: +353214546400
Fax:
E-mail: seamus.oreilly@hse.ie

From airport:
From Cork Airport turn left towards city centre and take the South Link ring road west. Exit at Sarsfield roundabout taking third exit for Wilton. Continue straight past Wilton Shopping Centre, take first exit off roundabout, hospital is on the right.

By train:
From Kent Station Cork take a taxi to Cork University Hospital.

By car:
The main hospital enterance is off Wilton Road.

Last modified: 17 November 2011