



BREAST CENTRES NETWORK

Synergy among Breast Units

★ St Helens and Knowsley Teaching Hospital - St Helens, United Kingdom of Great Britain and Northern Ireland

General Information



New breast cancer cases treated per year **380**

Breast multidisciplinary team members **15**

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

Clinical Director: **Leena Chagla, FRCS, MS**

Whiston Hospital is a District General Hospital serving a population of 360,000 people in the Liverpool area, North West England. The Breast service is provided by 3 dedicated Consultant Breast Surgeons and one Associate Specialist, who are assisted by two Macmillan Breast Care Specialist Nurses. Our service is as follows: - Rapid clinics, 2/week; - Urgent clinic, 1/week; - Non urgent and follow-up clinic, 4/week; - Parallel clinic with oncologists, 2/week; - Clinical trials, 1/week; - Breast screening clinic, 1/week. The total number of breast patients seen in the clinics every year approximates 9,000, and we are currently detecting over 280 new cancers/year. A dedicated cancer counselling/complementary therapy service is provided on site at Whiston Hospital. Adjuvant treatments are collegially discussed at the multidisciplinary meetings, and provided by the Clinical Oncology Team. Chemotherapy is administered on site, while Radiation Therapy is provided at our regional Cancer Centre which is Clatterbridge Centre for Oncology. Whiston Hospital houses the Regional Burns and Plastics Unit.

St Helens and Knowsley Teaching Hospital

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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** 3
- Mammograms per year** 5000
- 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)** 283
- Dedicated Breast Surgeons** 4
- Surgeons with more than 50 surgeries per year** 3
- Breast Surgery beds** 6
- Breast Nurse specialists** 3
- 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
- Fat filling

Pathology

- Dedicated Breast Pathologists** 2

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** 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

Trials nurse, MDT co-ordinator, radiographers,

Further Services and Facilities

Nuclear Medicine

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

Rehabilitation

Prosthesis service

Physiotherapy

Lymph-oedema treatment

counselling

Genetic Counselling

Specialist Providing Genetic Counselling/Risk assessment service:

Dedicated Clinical Geneticist

Medical Oncologist

Breast Surgeon

General Surgeon

Gynaecologist

Breast care nurse

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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Tamara Kiernan, FRCS	Consultant Surgeon	Tamara.Kiernan@sthk.nhs.uk	
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Reconstructive Surgery

Ken Graham, FRCS	Lead Reconstruction Surgeon		
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Ommen Koshy, FRCS	Consultant Plastic surgeon	Ommen.Koshy@sthk.nhs.uk	
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Pathology

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Medical Oncology

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Raj Sripadam	Consultant Oncologist	Raj.Sripadam@sthk.nhs.uk	
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Radiotherapy

Rajaram Sripadam		rajaram.sripadam@ccotrust.nhs.uk	
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How to reach us



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From airport:

There is a convenient bus service connecting the Hospital to Liverpool's airport.

By train:

Prescot train station is 5-minute walk from the hospital - trains connect to Liverpool and Manchester.

By bus or sub-way/underground:

A bus stop is in front of the Hospital connecting to Liverpool and St. Helens.

By car:

Whiston Hospital is easy to reach leaving the M62 at Junction 7. Take A57 (aiming toward Railhill-Prescot) and follow until the 5th traffic light.

Last modified: 18 November 2016