

Oncoplastic Breast Surgery

KEY PROCEDURE HIGHLIGHTS



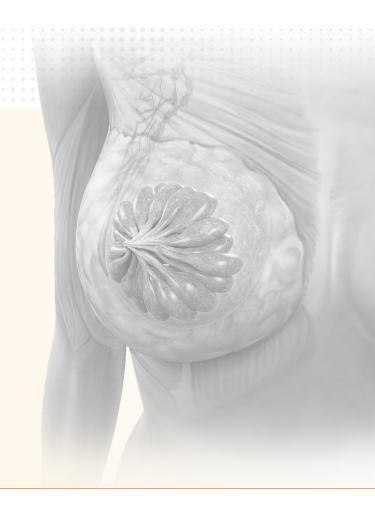
Optimise cancer clearance with generous excisions coupled with immediate reconstruction of the defect, reducing cancer-involved margins and deformities.



3

Avoid mastectomy in selected cases, allowing breast conservation without compromising cancer clearance or aesthetic outcome.¹















ONCOPLASTIC BREAST SURGERY

Surgery remains the main treatment for patients diagnosed with breast cancer.

Compared with traditional cancer resection (lumpectomy), oncoplastic breast surgery combines lumpectomy with established plastic surgery techniques (breast reconstruction) where the breast is reshaped to achieve an improved aesthetic outcome. **LUMPECTOMY** Remove cancer safely

ONCOPLASTIC BREAST SURGERY

BREAST RECONSTRUCTION Preserve or improve breast appearance for optimal aesthetic results



Traditional Technique

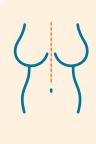
Traditional lumpectomy used to excise a large tumour often leaves the breast with a **poor aesthetic outcome.**²

Deformities such as the loss of breast contour, puckered scars and deviations of the nipple may arise.



Before Surgery: Cancer lump in right breast causing obvious breast asymmetry





Oncoplastic Technique

Oncoplastic techniques restore the natural appearance of the breast despite optimal excision of a large diseased area and recreate symmetry.^{1,2}

After Surgery: Reconstructed right breast with well-concealed scar and improved breast symmetry



Excised Tumour

BENEFITS OF ONCOPLASTIC BREAST SURGERY

Breast reconstruction done at the time of lumpectomy offers the following benefits:



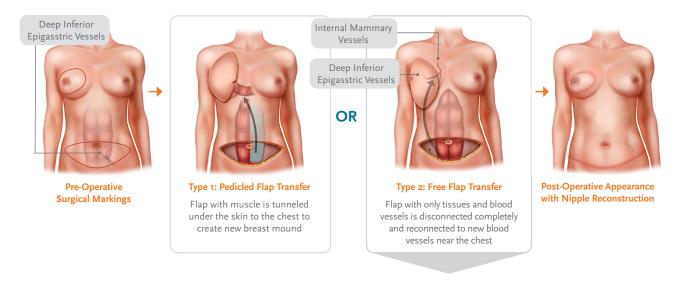
TOTAL BREAST RECONSTRUCTION

Total breast reconstruction is done to restore and sometimes enhance the appearance of a normal looking breast - the size, shape and symmetry of the breasts, when mastectomy is unavoidable.

During reconstruction, the plastic surgeon creates a breast shape by using either an artificial implant, or a flap of tissue from another part of the patient's body such as the abdomen, thigh or back (autologous reconstruction). In some cases, the plastic surgeon may combine the use of both artificial implants and autologous tissue.

Autologous Reconstruction

Autologous reconstructions are able to resemble the form of a pre-operative breast more closely, so they are considered the gold standard.⁵



A Newer Flap Surgery of Choice: The **Deep Inferior Epigastric Perforator (DIEP) Flap** uses only skin and fat, without sacrificing any muscle. Abdominal muscle is preserved with less donor site morbidity and the risk of abdominal bulge/hernia is decreased.⁶

Due to complexity of reattachment of the blood vessels, a free flap surgery • Takes 6-8 hours to complete • Pequires an experienced plastic surgeo

PATIENT SELECTION

Oncoplastic breast surgery is suitable for patients with operable breast cancer and the following profiles:



Cancer in cosmetically sensitive areas that yield poor cosmetic outcomes with traditional lumpectomy*

Extensive cancer involvement within the breast that require large areas of excision

*Subject to doctor's evaluation

Length of Stay	
OBS	With free flap surgery
<mark>3 - 5 Days</mark> (no ICU stay required)	<mark>5 - 7 Days</mark> (including 1 day in HDU/ICU)

Total breast reconstruction is suitable for patients where mastectomy is unavoidable and is done at the same time as mastectomy.

INNOVATIVE DIAGNOSTIC CAPABILITIES

At Parkway Hospitals Singapore, we constantly innovate to provide uncompromising standards of non-invasive, high quality medical imaging to increase diagnostic accuracy for patients.

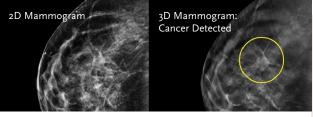


Image Credit : Hologic

3D Mammogram (Breast Tomosynthesis)

Our Mammomat Revelation digital mammography system produces tomosynthesis images with a wideangle of 50 degrees, enabling more accurate and earlier detection of breast cancer. The system is able to reduce radiation dose by up to 30% without compromising image quality.

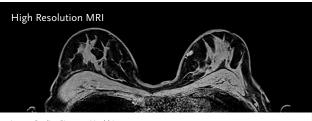


Image Credit : Siemens Healthineers

Magnetic Resonance Imaging (Breast MRI)

Magnetom Sola 1.5T MRI system is equipped with BioMatrix Technology which automatically adjusts to patient biovariability to overcome unwarranted variations in MRI examinations. This results in fewer rescans and better scan consistency.

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