



About us

The Comprehensive Breast Cancer Institute (CBCI) delivers best-practice breast care through innovation, education, and research.

Led by Professor Owen Ung, our multidisciplinary team is united by a shared commitment to excellence in breast cancer care and research. We support a broad spectrum of research, including basic science, implementation science, clinical trials, and qualitative studies.

Proudly supported by



Partner with us

Whether you're starting a research idea or expanding an existing project, CBCI is here to support you.

Get in touch to learn more about how we can support your research journey.



Our Phone
(07) 3647 9797



Our Email
CBCI@health.qld.gov.au

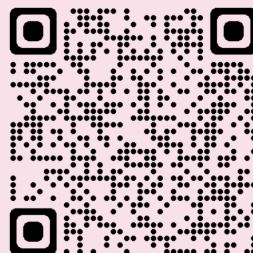


Our Website
<https://metronorth.health.qld.gov.au/cbci/>



Our Social Media
<https://www.linkedin.com/company/comprehensive-breast-cancer-institute>

Scan the QR code to find out more



COMPREHENSIVE BREAST CANCER INSTITUTE

ADVOCATE. COLLABORATE. EDUCATE. INNOVATE.



2024
Queensland
Health Award
Winner

ADVANCING BREAST CANCER RESEARCH

Translating innovation into patient care



What we do

We empower Metro North staff to engage in high-quality research by providing:

- Research question and study design support
- Support for Higher Degrees by Research (HDR)
- Scholarship application assistance
- Research grant application support
- Access to Metro North and external research networks
- Guidance with human research ethics and governance
- Research coordination and administrative support

Where we serve

CBCI supports research across all Metro North Health facilities, including:

- Royal Brisbane and Women's Hospital
- The Prince Charles Hospital
- Caboolture Hospital
- Redcliffe Hospital
- Surgical, Treatment and Rehabilitation Service
- Kilcoy Hospital
- Satellite health centres in Caboolture, Kallangur, and Bribie Island

Who we support

We support all Metro North staff, including:

- Medical practitioners
- Nurses
- Allied health professionals
- Researchers / scientists
- Administrative and support staff

Our research impact

Pioneering IORT in Queensland

CBCI was the first in Queensland to implement Intraoperative Radiation Therapy (IORT), reducing radiation treatment from 3–6 weeks to approximately 30 minutes delivered during surgery. Designed for early-stage breast cancer, IORT delivers radiation directly to the tumour bed with minimal exposure to surrounding tissues.

Our team is researching the clinical, psychological, and economic outcomes of IORT compared to traditional radiotherapy, translating research into practice to optimise patient care pathways.

World-First Surgical Innovation

In collaboration with the Herston Biofabrication Institute (HBI), CBCI is leading the world's first clinical trial of 3D scaffold-guided breast surgery. The new treatment combines the body's own fat cells with a 3D printed scaffold to support soft tissue regeneration, harnessing the body's natural healing processes. The scaffold is designed to be absorbed within 24–36 months, leaving the body's own tissue in its place.

We are evaluating patient-reported outcomes following this trial to inform clinical practice and enhance the experience of future reconstructive techniques using this novel approach.

Advancing Breast Lesion Localisation

CBCI played a key role in introducing ROLLIS to Metro North Health, improving the preoperative pathway for breast cancer patients. This innovative approach replaces traditional hook-wire localisation for breast-conserving surgery, offering a safer, more efficient, and less uncomfortable experience for patients.

By enhancing preoperative care pathways and applying new solutions in practice, CBCI is improving outcomes for breast cancer patients and contributing to Metro North's vision of delivering world-class care.



Why research

- Providing better care and improving patient outcomes through innovation
- Enhancing your career and achieving professional recognition
- Contributing to a culture of continuous learning and innovation across Metro North

