



UGANDA CANCER INSTITUTE

OVERVIEW OF THE UCI

Evolution of the Uganda Cancer Institute



From its humble beginnings, UCI has undergone significant transformations to institution it is today.

1

LTC - 1967

Initial establishment of the Lymphoma Treatment Centre.

2

STC - 1969

Development into a more specialized cancer treatment center.

3

Groundbreaking of new facilities - 2012

Modernization and expansion of facilities.

4

UCI - 2015

Transition to Uganda Cancer Institute, reflecting broader mandate.

5

Autonomy/EA Centre of Excellence - 2016

East Africa Centre of Excellence/Further modernisation





UCI's Vision, Mission, Functions, and Values

A comprehensive framework guiding UCI's commitment to reducing the cancer burden in Uganda and East Africa.



Vision

Internationally recognized cancer center.



Goal

Reduce cancer burden in Uganda and EAC.



Mission

Provide care, prevent, research, and train.



Values

Professionalism, Integrity, Excellence, Care, Equity.

SERVICES AT THE UCI

- Comprehensive Cancer Centre offering;

- Medical oncology
- Gyn-Oncology
- Surgical Oncology
- Paediatric Oncology
- Palliation
- Research and training
- Laboratory
- Radiation Oncology

- Four regional centres
- East Africa Centre of Excellence



SERVICES AT THE UCI

- **Medical and pediatric oncology:** Fully fledged medical and pediatric oncology units. About 10% of all the cancers we see at the UCI are in children. In 2024, we had about 714 new childhood cancer cases



Advanced Lab Diagnostic Capabilities



UCI's laboratory services are undergoing modernisation and expansion to become a national reference centre for cancer diagnostics

Comprehensive Testing

Pathology, Clinical Pathology,
Coagulation Studies

Specialized Diagnostics

Flow Cytometry, Microbiology,
Immunohistochemistry

Molecular Oncology

PCR, Sequencing (BCR-ABL,
BRCA1)

Viral Panels

HPV, CMV, HIV, HCV, HBV; Viral Load monitoring

Biobanking

Essential for research and future diagnostics

ONCOLOGY IMAGING



- CT SCAN
- USS scan
- Mammography
- X-ray
- MRI

RADIOTHERAPY SERVICES AT THE UCI



- **Radiotherapy:** The Institute currently boasts of 3 LINACs, two Cobalt-60 Teletherapy machine (EBRT), 3 high dose rate (HDR), 2 CT simulators

STATE OF THE ART LINAC



- Training of personnel ongoing
- Radiation Oncology Fellowship programme accredited by UMDPC
- Three fellows

Comprehensive Research and Innovation Program

Our research program is based on the following strategic goals.

- 1** — **Goal 1**
Strengthen Cancer Surveillance and Registration
- 2** — **Goal 2**
Early Detection and Diagnosis Research
- 3** — **Goal 3**
Clinical Research and Clinical Trials
- 4** — **Goal 4**
Implementation Research and Health Systems Research .
- 5** — **Goal 5**
Population Specific and Infection/HIV associated cancers



- All supported by infrastructure, equipment, personnel and funding

Comprehensive Training Programs at UCI

Our training programs are pivotal in building capacity. We equip professionals with specialized oncology knowledge.



Specialized Oncology Training

Developing expert oncologists and support staff.



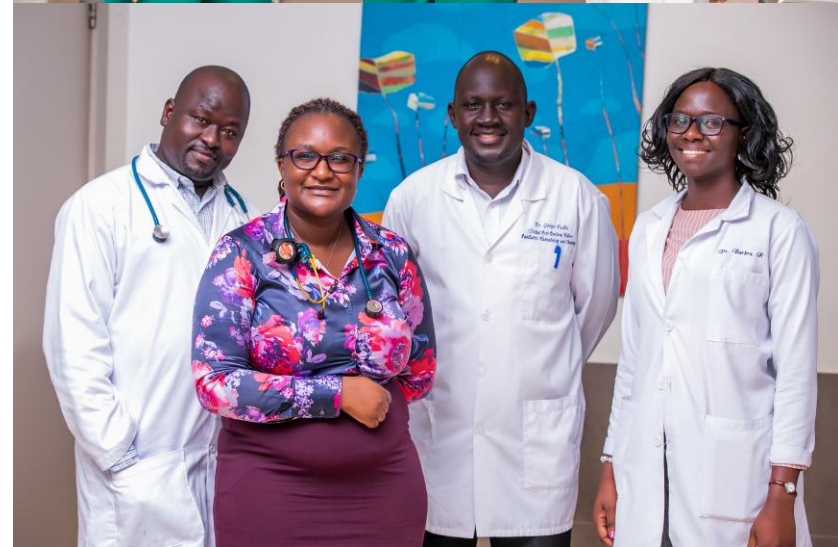
Continuous Medical Education

Ongoing learning for up-to-date practices.



Interdisciplinary Collaboration

Fostering teamwork among medical disciplines.



FELLOWSHIP TRAINING PROGRAMMES

A group of children are sitting on a colorful patterned rug, playing with various toys including a yellow toy car and a red toy truck. One child in the foreground is wearing a white shirt and has a bandage on their forehead. The background is a green wall with some colorful decorations.

UGANDA CANCER INSTITUTE
EAST AFRICA CENTER OF EXCELLENCE
IN ONCOLOGY

**PEDIATRIC
HEMATOLOGY**
Oncology Fellowship

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A medical professional in a white lab coat is pointing at a medical image on a screen. A young child and an adult, both wearing face masks, are looking at the screen. The setting appears to be a clinical or educational environment.

UGANDA CANCER INSTITUTE
EAST AFRICA CENTER OF EXCELLENCE
IN ONCOLOGY

**GYNECOLOGICAL
ONCOLOGY**
Fellowship

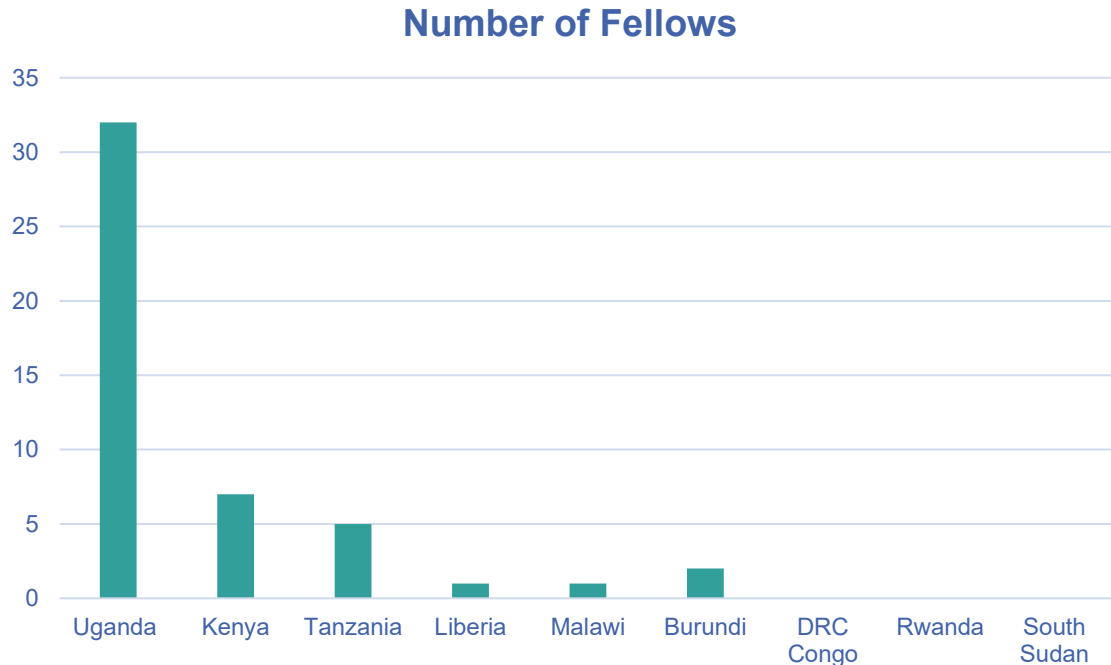
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6 accredited fellowship programmes

Medical Onc/Haem

- Paed Oncology
- Gyn Oncology
- Head and Neck Surgery
- Urology
- Rad Onc

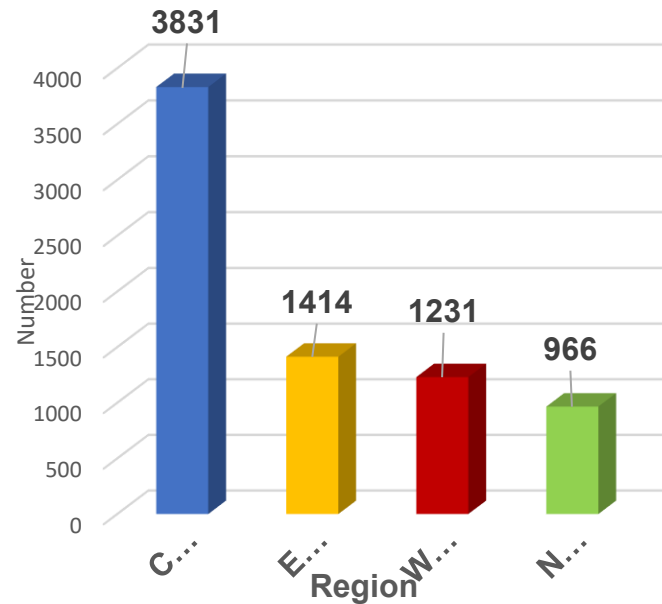
DISTRIBUTION OF TRAINEES



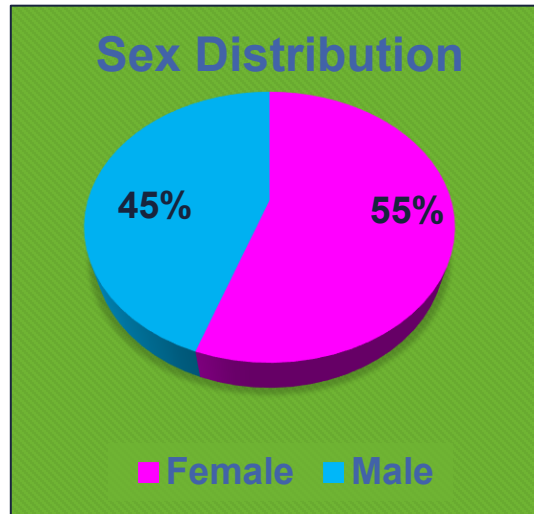
- South Sudan – One pathology resident
- Burundi – 2 Paed fellows (funded by Sanofi Espora)
- Malawi - Rad Oncology (IAEA)
- Liberia – Gyn Onc (WHO)
- Tanzania – Gyn Onc – Bugando, Paed Onc – MUHAS
- Kenya – Paed Onc

Cancer Trends at UCI 2024

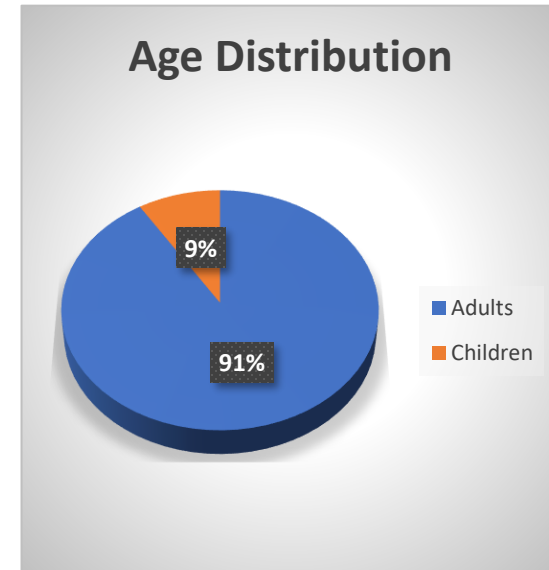
Regional Distribution



Sex Distribution

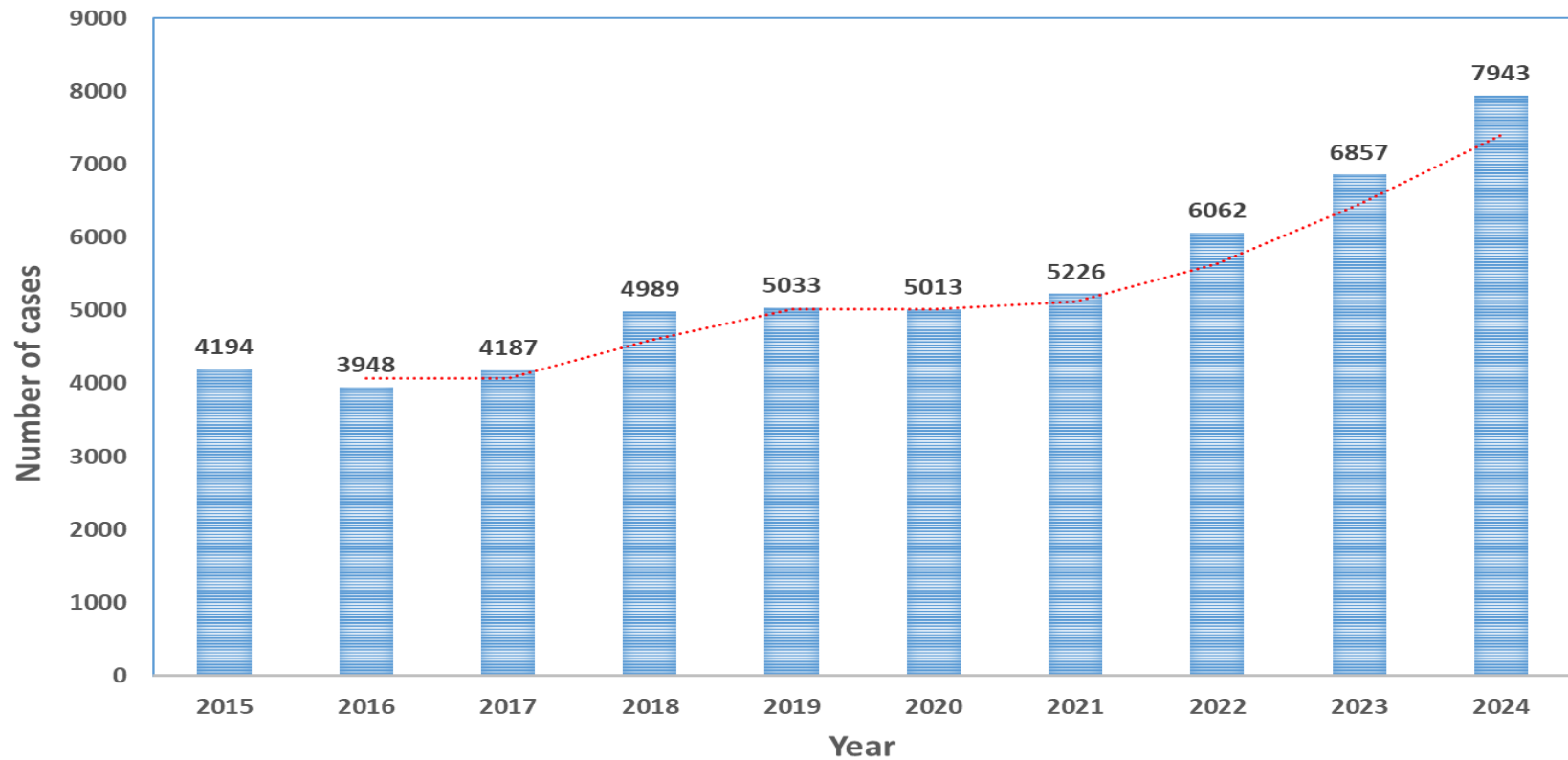


Age Distribution



- 7943 new patients registered at Mulago
- 1500 registered at Mbarara
- 580 Registered in Gulu

Trend of new cases from 2015 to 2024



Future plans

- Establishment of cancer research innovation facility
- Decentralisation of cancer care
 - Regional Cancer Centres –Mbarara, Mbale, Arua
 - Expansion of cancer registration, digitization of services
 - Operationalisation of Gulu Centre
- Expansion of cancer care infrastructure at UCI-Mulago
 - Paed Onc, STC, Haem
 - Women's Cancer Centre
 - Expansion of OPD services

UCI Main Hospital Building



- 434 beds
- Expanded emergency
- OPD consultation (18 rooms)
- ICU
- Theatres
- Skills laboratory
- Expanded mortuary services
- Expanded radiotherapy consultation spaces

Artistic Impression of multipurpose Building



- Bone marrow transplant (6 suites)
- Surgical services (3 OT, 40 beds)
- ICU (12 beds)
- OPD (12 rooms)
- Infusion (18 bays)
- Imaging centre (MRI, Xray, mammo, USS)
- Interventional radiology
- Training centre
- Conference centre
- Clinical Laboratories
- Research clinic, offices
- Biomedical Engineering workshop

Multipurpose Building



Multipurpose Building



Nuclear Medicine Project/PET Centre



- To house PET and other facilities
- SPECT Scan fully installed
- Treatment rooms completed
- Hot labs completed

RADIOTHERAPY PROJECT



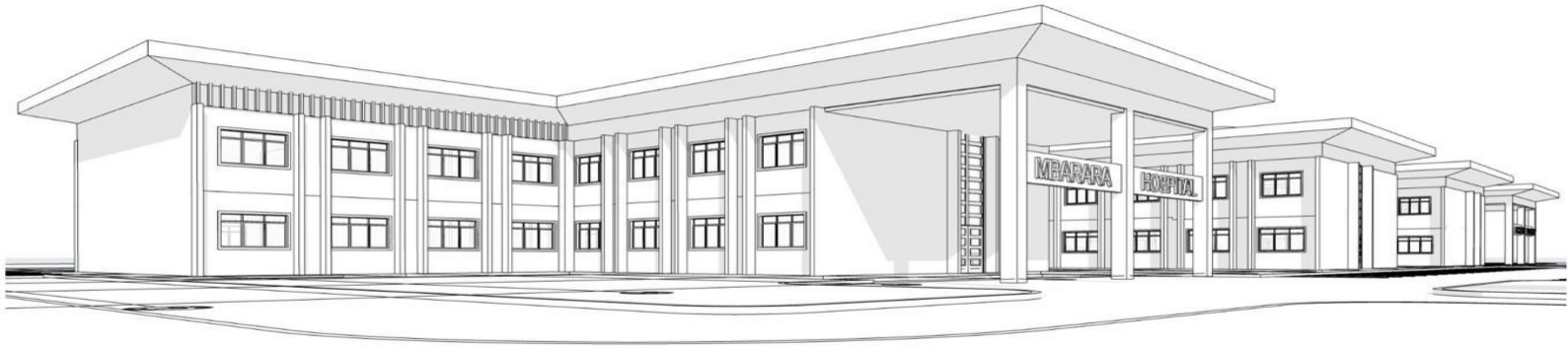
- 6 Bunkers completed
- 8 Radiotherapy machines
- 3 LINACS
- 2 HDR
- 2 Cobalt 6
- 2 CT simulators

GULU CANCER CENTRE



- Fully operational
- 80 bed capacity (6 –ICU)
- High end diagnostic facilities
 - CT scan, mammography, USS, X-ray
 - Clinical Laboratory

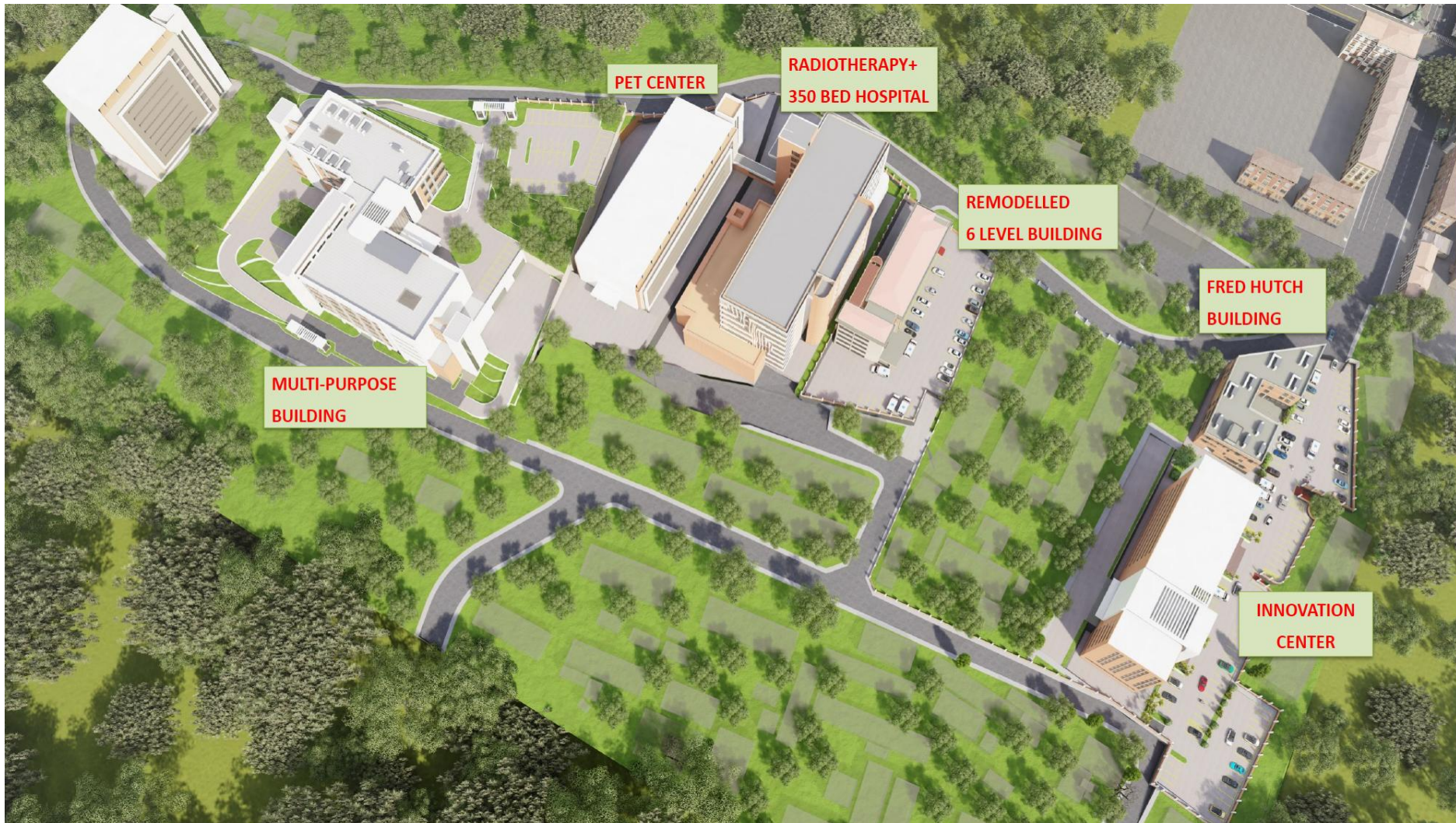
Mbale, Arua and Mbarara Centres

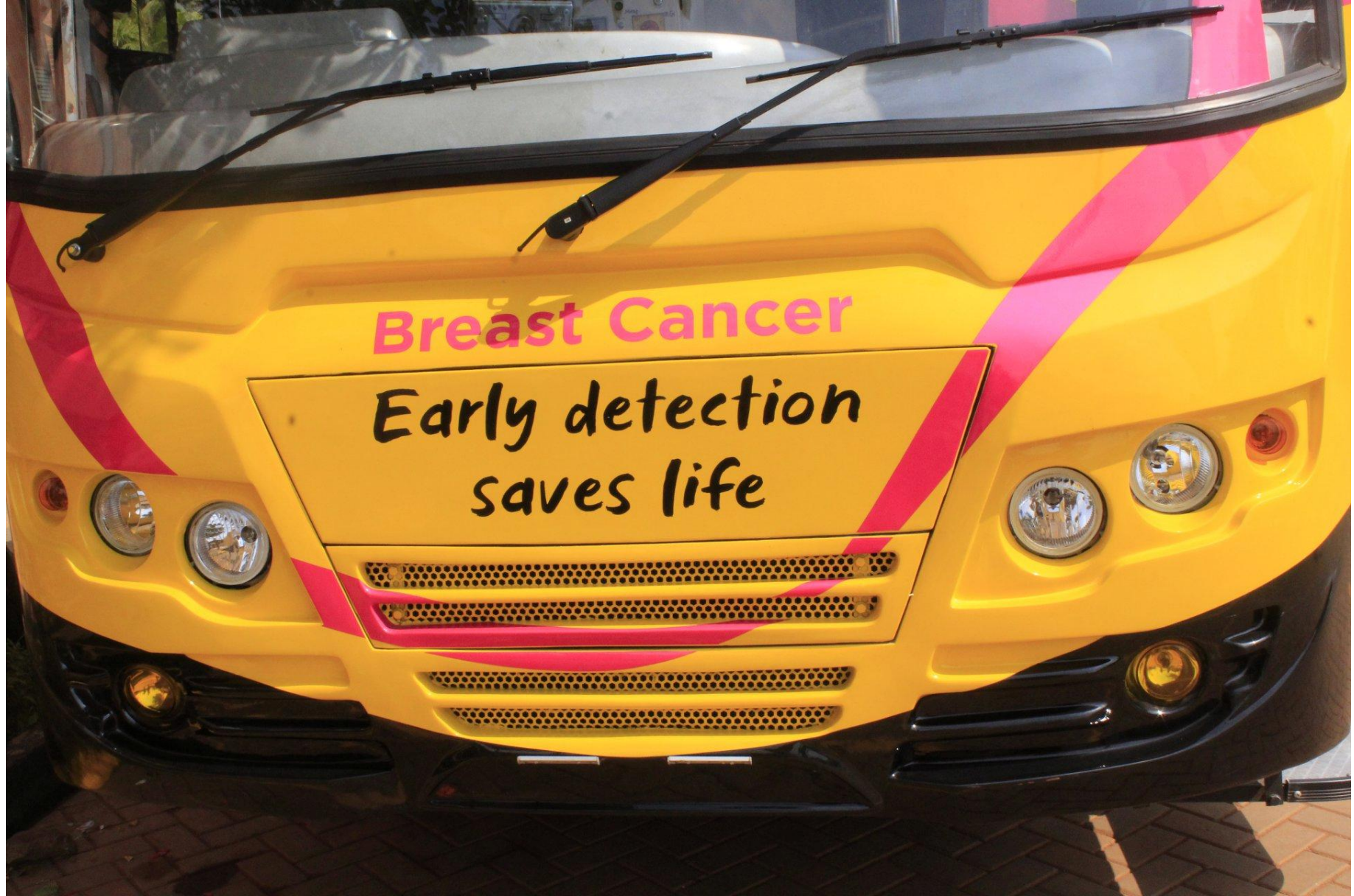


Schematic designs of the UCI Mbarara Cancer Centre

- All 3 centres to commence construction Fy 25/26
- 80 bed capacity (6 –ICU)
- Will have Radiotherapy services
- High end diagnostic facilities
 - CT scan, MRI, mammography, USS, X-ray
 - Clinical Laboratory/Pathology

Future Plans





Thank You