An AI-powered Integrated Oncology Digital platform (ONCIMS)
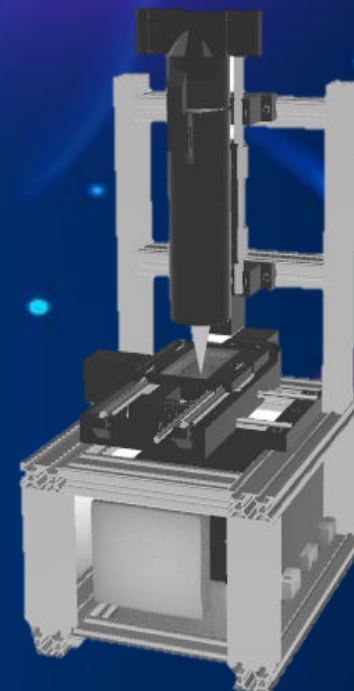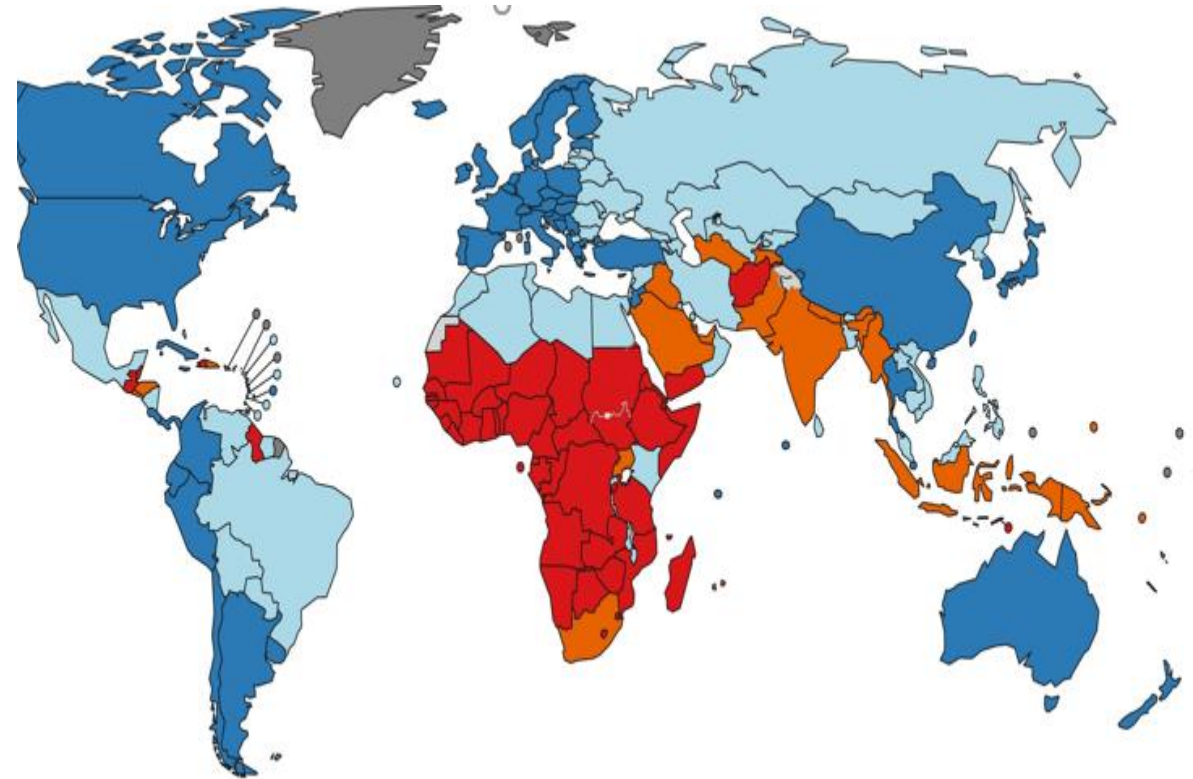
Dr. Wasswa William
williamwasswa036@gmail.com
+256775046515

- Cancer is one of the leading causes of morbidity and mortality worldwide,

- 70% of the cancer deaths occur in Africa

- With Uganda

  - Top 7 in Africa

  - Cervical cancer leading cause of deaths

World Health Organisation Report 2020

Misdiagnosis

Late Diagnosis

lack of patient follow-up

lack of access to information
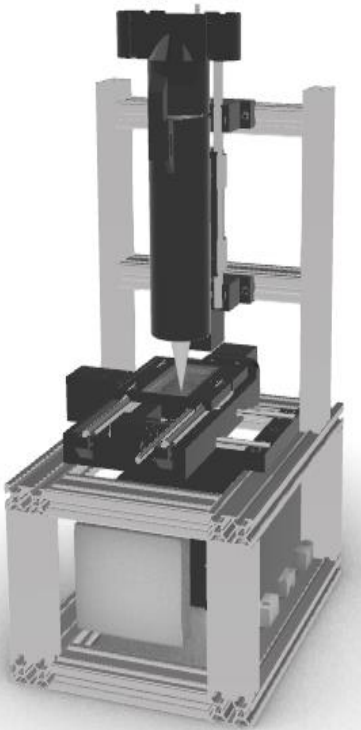

Increased Cancer Deaths

Clinical

- Manual Analysis of Pap-smears
- Time consuming, error-prone
- No real-time collaboration
- Un structured records

Patients

- Limited Access to information
- Cancer treatment funds
- Social support

🏠   👥 Patients   📊 Protocols   📑 Meetings   👤 Staff   🏠 Inventory   🖼 Imaging   🖥 Tele-medicine   ⚙

✏ Add Patients   ▤ View Patients   ▤ Admissions   ✈ Follow-Ups   ▤ View Lab Results   ← Referrals   → Transfers

Date of Birth:	None	**Village:**	BIHARWE T. C
Email:	sekitene2002@yahoo.com	**Parish:**	NYABUHAMA
Father's Name:	None None None	**Sub-County:**	RUBAYA
Department:	None	**County:**	MBARARA
Ward:	None	**District:**	MBARARA
Consaltant:	Dr Jackson Orem	**Region:**	ANKOLE
Registrar:	Dr. Semei Sekitene	**Referring Officer**	None
Houseman:	Dr. Semei Sekitene	**Nearest Dispensary:**	None
Occupation:	PEASANT	**Note:**	None
Employer:	None		
Employer Address:	None		

Actions for this patient

Diagnose Patient

Admit Patient

Prescription

Discharge Patient

Refer Patient

Transfer Patient

Schedule a Follow-up

Tuma Board Meeting

Add Lab Result

Diagnosis   Admissions   Prescriptions   Discharge   Followups   Referrals➜   Transfers   Lab

Images   Bills   Tumor Board Meetings   Clinical Support Dicision   Next of kin   Clerks   Vital Signs

ONCIMS — Oncology Reimagined

Patients   Protocols   Meetings   Staff   Vaccination   Tele-medicine   Pharmacy

Add Patients   View Patients   Admissions   Follow-Ups   View Lab Results   ← Referrals   → Transfers

Patient Initials: NJ

UCI/MBR/2021/3788
Under Medication
50 years old
Anglican
Banyankole
256752251765
None

Date of Birth:	June 6, 1967	Village:	AKASHENGYE
Email:		Parish:	KASHARI
Father's Name:	None None None	Sub-County:	KAKIIKA
Department:		County:	MBARARA
Ward:		District:	MBARARA
Consaltant:		Region:	ANKOLE
Registrar:		Referring Officer	None
Houseman:		Nearest Dispensary:	None
Occupation:	PEASANT	Note:	None
Employer:	None		
Employer Address:	None		

Diagnosis   Admissions   Prescriptions   Discharge   Followups   Referrals→   Transfers   Lab
Images   Bills   Tumor Board Meetings   Clinical Support Dicision   Next of kin   Clerks   Visits

Export Basic ▾   Search

Cancer	T	N	M	Stage	Date	
Gastrointestinal Stromal Tumor	None	None	None	None	Oct. 26, 2021	More Edit

Showing 1 to 1 of 1 rows

Actions for this patient

Diagnose Patient
Clinical Visit
Admit Patient
Prescription
Discharge Patient
Refer Patient
Transfer Patient
Schedule a Follow-up
Tuma Board Meeting
Add Lab Result
Upload Image
Add Payment Bill
Clinical Dicision Support
Next of kin
Patient Clerk

Patients | Protocols | Meetings | Staff | Vaccination | Tele-medicine | Pharmacy

Add Patients | View Patients

Transfers

Patient Initials: NJ

Date of

Father's

Depart

UCI/MBR/2021/3788

Under Medication

50 years old

Anglican

Banyankole

256752251765

None

Cons

Reg

Hous

Occup

Emp

Employer Add

Diagnosis | Admissions | Presc

Images | Bills | Tumor Board M

Export Basic

Cancer

Gastrointestinal Stromal Tumor

Showing 1 to 1 of 1 rows

New Diagnosis for Patient Number UCI/MBR/2021/3788

Provisional or FINAL
Provisional

Histology Number
HIST12

Cancer
Breast

Topograph
C50.9, Breast, NOS

WHO Classification of Tumor
8530, Inflammatory carcinoma

Primary Tumor (T)
T4d, Inflammatory carcinoma (see "Rules for classification")

Regional Lymph Node (N)
pN0(mol+), Positive molecular findings by reverse transcriptase polymer

Distant Metastasis (M)
cM0(i+), No clinical or radiographic evidence of distant metastases in th

Histologic Grade
G3, High combined histologic grade (unfavorable); SBR score of 8-9 po

The cancer stage is: STAGE IV

Tumor Marker

IHC

Doctor*
Dr. Semei Sekitene

Diagnose Date*
Pick the diagnosis date

If no classification or its not cancer; specify

Actions for this patient

Diagnose Patient
Clinical Visit
Admit Patient
Prescription
Discharge Patient
Refer Patient
Transfer Patient
Schedule a Follow-up
Tuma Board Meeting
Add Lab Result
Upload Image
Add Payment Bill
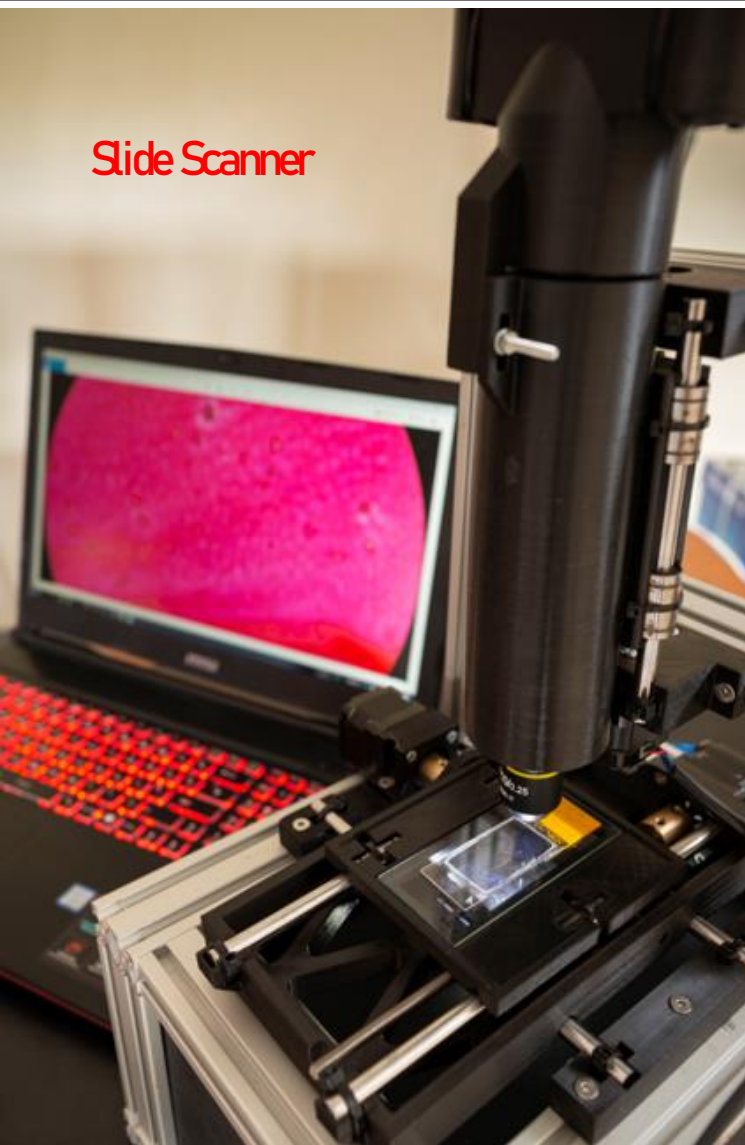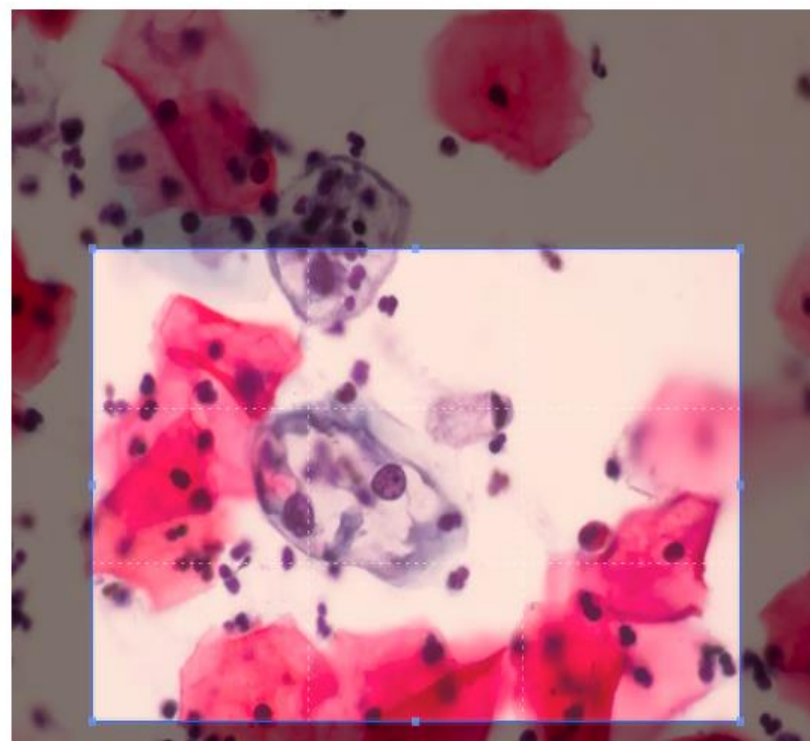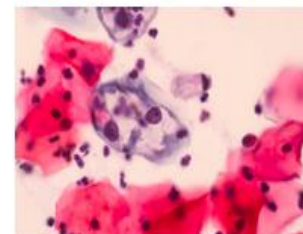Clinical Dicision Support
Next of kin
Patient Clerk

Uganda Cancer Institute — Western Uganda Regional Cancer Center — Semei

Patients | Protocols | Meetings | Staff | Vaccination | Tele-medicine | Pharmacy | Lab

Add Protocol | Manage Protocol | Drugs | Cancers and Staging

R-CH VbP - PROTOCOL

PRECHEMOTHERAPY ORDERS

Inj Ondansetron 8 mg Intravenous Push half hour to chemotherapy

Inj Dexamethasone 8 mg Intravenous Push half hour to chemotherapy

Drug Name	Dose/BSA (mg/m2)	Route	Diluent/Volume/duration/Frequency		
Cyclophosphamide	750	I.V	NS/500ml/20 mins/DAY 1		
Adriamycin	50	I.V	NS/500ml/20 mins/DAY 1		
Vinblastine 10mg	6	I.V	NS/250ml/20 mins/DAY 1		
Vinblastine 10mg	6	I.V	NS/250ml/20 mins/DAY 8		
Tab PREDNISOLONE	100	PO ABrFast	NS/250ml/20 mins/DAY 1		

Other Protocols

Search

	Protocol Name
	CAF
	CAPOX
	mPF
	CAF2
	ABVD
	AEVD
	B + R

Uganda Cancer Institute — Western Uganda Regional Cancer Center — Semei

Patients | Protocols | Meetings | Staff | Vaccination | Tele-medicine | Pharmacy | Lab

Image Store | Case Discussion | Chat Room | Calls

Create a new case

Case Topic*

Case description

Upload case image
Browse... No file selected.

Submit

Recent cases

admin on Oct. 22, 2021, 1:32 p.m.   1 comments   7 views
Pap smear:- let us share ideas

admin on April 27, 2021, 6:15 p.m.   5 comments   37 views
Cervical Cancer:- What do you think about this Case

ONCIMS — Oncology Reimagined

Home   ONCIMS   ONCIMS EHR   Cancer Management   Tumor Boards   Case Discussion   Imaging   Microscopy   CancerMobi   CanHub

Uganda Cancer Institute — Research is our resource

Western Uganda Regional Cancer Center

Semei

🏠   👥 Patients   📊 Protocols   📰 Meetings   👤 Staff   📈 Vaccination   🖥 Tele-medicine   🏠 Pharmacy

🏠 Home   📅 Calendar   📊 Diagnosis Reports   📊 Patient Stats

Patients   [All Records]
274
Total Admissions   2 ⚡

Follow-ups   [All Records]
2
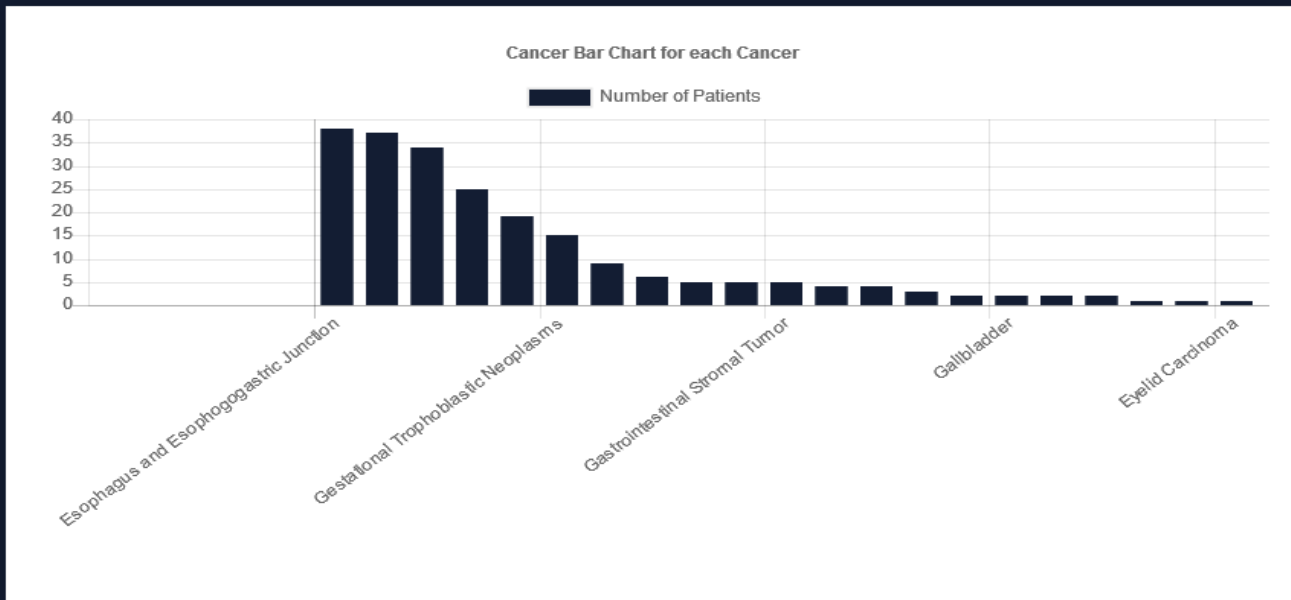Follow-ups Today   0 ⬆

Tumor Meetings   [All Records]
2
Tumor Board Meetings Today   0 ⬆

Diagnosis   [Admissions]
220
Final Diagnosis   0 ⬇

Cancer Bar Chart for each Cancer
Number of Patients

(Bar chart axis: 0, 5, 10, 15, 20, 25, 30, 35, 40)

Categories: Esophagus and Esophogogastric Junction ... Gestational Trophoblastic Neoplasms ... Gastrointestinal Stromal Tumor ... Gallbladder ... Eyelid Carcinoma

1
Images

0
Referrals

1
Transfers

2
Prescriptions

24
Protocols

2
Staff

☐ **Dashboard**
  ☐ **Graphical**
☐ Patients summary
☐ Follow-ups/ day/week
☐ Tumor boards
☐ Active Diagnosis
☐ Diagnosis Reports
☐ Patients Stats
☐ Powered by our Data driven Actionable Insights Extractor Algorithm

Cancer Information Hub

Home   Where to Find   Cancer Information   Cancer Social Network   Crowd Funding   DOWNLOAD CANHUB APP

WE USE DATA DRIVEN DIGITAL TECHNOLOGY AND MEANINGFUL COLLABORATIONS WITH CANCER CENTERS

Building the Largest Data Driven Cancer Information Hub for Uganda

CANCER

163+
National, Regional, Referral & General Hospitals

1,000+
Public Hospitals and Clinics

2,000+
NGOs, CBOs & Reproductive Health Service providers

1,000+
Laboratories

2,000+
Nursing training institutions & Pathology Networks

Over 7,000 Institutions offering Cancer screening services in Uganda

Subscriptions

Life time license

Microscope sales

Microscope Rental services

Full platform costs 12,000 USD for life time license, 200 USD per month.

(HRM + COMM + Inventory + PAC + HMS Reports + Telemedicine + Finances + MobileApp + Pharmacy + Lab + Image Analysis + AudioVideoCalls + Case Discussion

Each module costs 500 USD for life time license, 30 USD per month

Telemedicine & Real time Diagnosis Results

Locally Designed based on clinical workflow

Image and Data Repository for Disease prognosis

Low cost digital platform

Easy to use

We are reducing total cost of cancer diagnosis and management to 1 USD per person

Investment worth $250,000 to support Cloud Computing Services ($50,000), Capacity Building ($80,000), Marketing ($30,000) Fabricate more microscopes (&50,000), and open up new office space ($40,000))

Technical partners (AI, 3D printing and Robotics) Business coaching and mentorships (Marketing, Innovations commercialization)

Introduction to Clients in other countries in Africa

Vision: To be the leading, and reliable Digital Oncology solutions provider of choice in the African region by 2030.
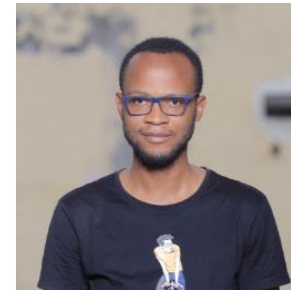
Mr. Joseph Ezati, A software engineer. Leads software development and mobile app development

Dr. William Wasswa, a biomedical engineer with expertise in robotics & AI. Leads AI and image analysis

Ms. Maureen Ndibarema, business analyst, Leads ONCIMS marketing and communications relations.

Mr. Edwin Nahabwe, a mobile app developer and cloud computing specialist

Mr. Kimera Richard, an electronics engineer. Leads microscopy design and 3D printing lab
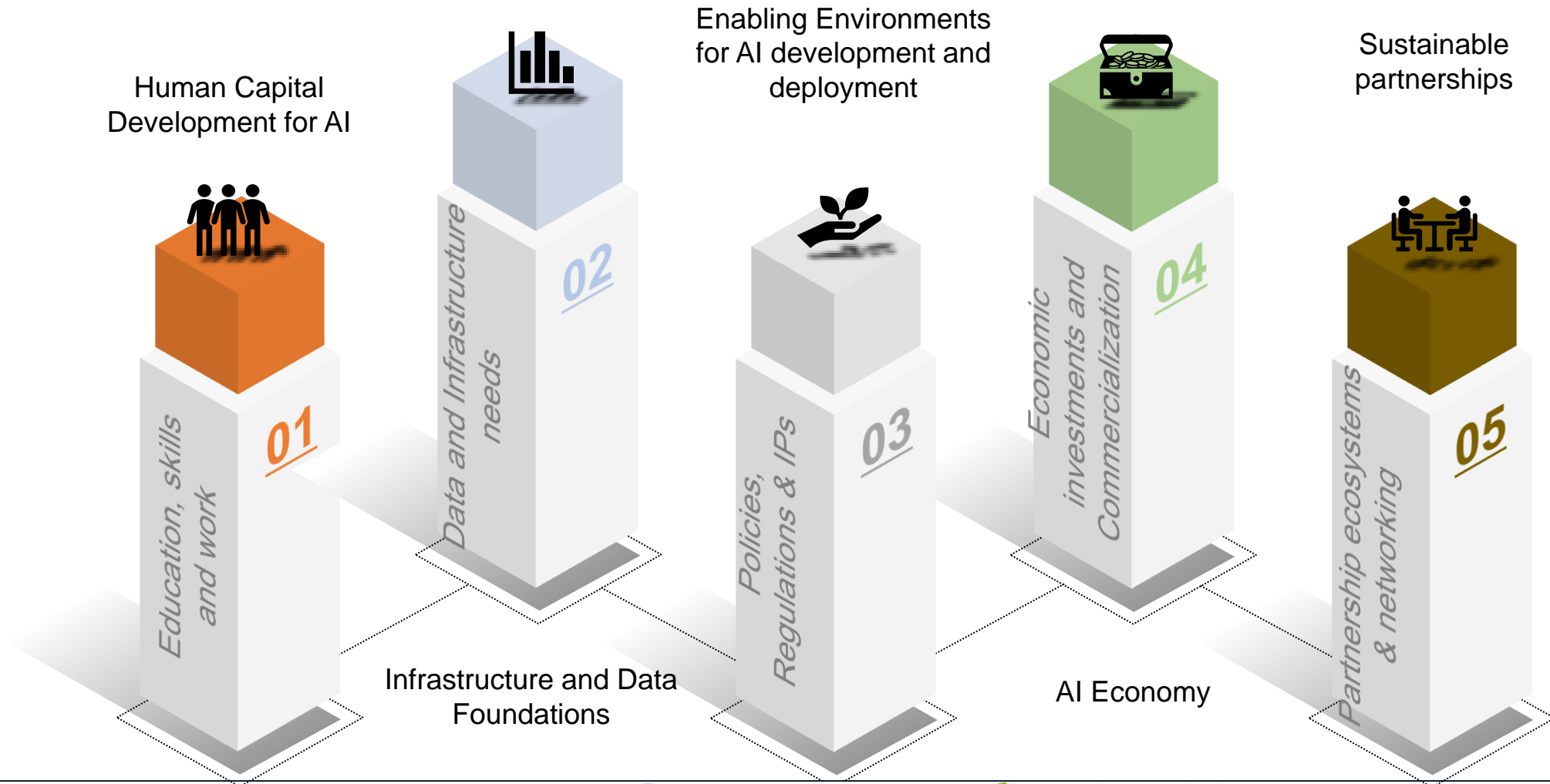
Dr. Semei Sekitene, a medical officer at Uganda Cancer Institute. Is a medical advisor

Scaling AI and Robotics Innovations in Africa

Low level of AI and Robotics Uptake in Africa

Human Capital Development for AI

Enabling Environments for AI development and deployment

Sustainable partnerships

01 Education, skills and work

02 Data and Infrastructure needs

03 Policies, Regulations & IPs

04 Economic investments and Commercialization

05 Partnership ecosystems & networking

Infrastructure and Data Foundations

AI Economy

AUDA-NEPAD White Paper: Regulation and Responsible Adoption of AI in Africa Towards Achievement of AU Agenda 2063

African Union

NEPAD TRANSFORMING AFRICA

APET — African Union Panel on Emerging Technologies

williamwasswa036@gmail.com

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WE ARE DEDICATED TO IMPROVING CANCER PATIENT OUTCOMES WITH RELIABLE AI-POWERED DIGITAL SOLUTIONS.

MORE ABOUT US