



The  
Pathology  
Network

Edition 1  
2025

# THE PATHOLOGY REPORT



In this very first edition, we invite you to see through the eyes of African pathologists and clinicians practicing across the continent. Dive inside to find exclusive sector news, industry player interviews, op-eds, and more...

# TABLE OF CONTENTS



<b>FOREWORD FROM THE CEO</b>	<b>2</b>
<b>INNOVATION MAKING PATHOLOGY ACCESSIBLE</b>	<b>4</b>
<b>TPN INNOVATION</b>	<b>6</b>
<b>PAN-AFRICAN COLLABORATION IN RADIOLOGY AND PATHOLOGY</b>	<b>7</b>
<b>TRANSFORMING CERVICAL CANCER AWARENESS IN KENYA</b>	<b>9</b>
<b>INSIDE TPN</b>	<b>11</b>
<b>INSIGHTS FROM THE FRONTLINE</b>	<b>12</b>
<b>TPN EVENTS</b>	<b>14</b>

# FOREWORD FROM THE CEO

---



Welcome to the first edition of *The Pathology Report*—a new platform for sharing the ideas, innovations, and people shaping the future of diagnostic medicine across Kenya, Africa and beyond.

This inaugural issue comes as The Pathology Network enters a major transition period. After seven impactful years of service, our legacy software platform, ALIS, is being phased out—a milestone we are celebrating with a special feature on its work at a longstanding partner hospital, Olive Hill Surgical Centre. ALIS laid the groundwork for Spes360, our new diagnostic coordination system.

Spes360 is more than a software upgrade — it is an infrastructure shift. It enables hospitals, clinicians, laboratories, and pathologists to work within a unified digital environment, coordinating diagnostics from end to end. Built for scale and flexibility, it creates space for innovation, supports accountability, and allows our clinical partners to scale or build services on a dependable platform. It brings structure and predictability to lab sample referrals, clarity to communication, and safety to the diagnostic process.

This issue highlights the momentum building around us. You will read about a digital pathology scanner developed by a Kenyan university, a national cervical cancer education campaign conducted by Alpha MD in conjunction with TPN and Innovate UK, and the TPN Medical Governance Council's credentialing process for pathologists. We also share moments from TPN community events and our recent engagement in Ghana. Together, these stories show how innovation and collaboration are reshaping diagnostics in real time.

With Spes360 rolling out to over 60 hospitals this quarter, we expect even more inspiring stories of healthcare transformation in the months ahead. Enjoy the read!

A handwritten signature in blue ink, appearing to read "Joshua Kibera".

**Dr Joshua Kibera**  
Founder/CEO

# HOME GROWN DIGITAL INNOVATION MAKING PATHOLOGY ACCESSIBLE

---

By Dr. Maureen Waithaka



**The landscape of medical diagnostics in Kenya and the wider continent of Africa has long been challenged by a scarcity of pathologists and geographical barriers, limiting patient access.**

However, a truly transformative initiative by researchers at Meru University of Science and Technology (MUST), and endorsed by the County Government of Meru, is beginning to rewrite this narrative. I had the distinct privilege of being involved in this pioneering work, and it is nothing short of revolutionary.

At the heart of the project is a remarkable achievement - the development of a low-cost microscope capable of capturing digital images from pathology glass slides. The subsequent phase of the project, which I contributed to, involved integrating artificial intelligence (AI) with the capabilities of this microscope.

The team embarked on the crucial task of training AI algorithms to read and evaluate digital slides. The initial focus was on one of the most fundamental tasks in surgical pathology - differentiating between benign and malignant tissues.

This is more than an academic exercise, it is the first step towards creating a powerful support tool that can augment the capabilities of pathologists and extend their reach.

Imagine the implications. A digital image of a biopsy taken in a remote clinic can be swiftly analysed by AI, providing an initial assessment that can then be reviewed and confirmed by a pathologist, hundreds of kilometres away.



**1:1mn**  
**Only 1 pathologist  
for 1 million Africans vs.  
1:50,000 in developed  
countries. African  
diagnostic innovation is  
critical.**

**VIEW  
INFOGRAPHIC**



# TPN INNOVATION

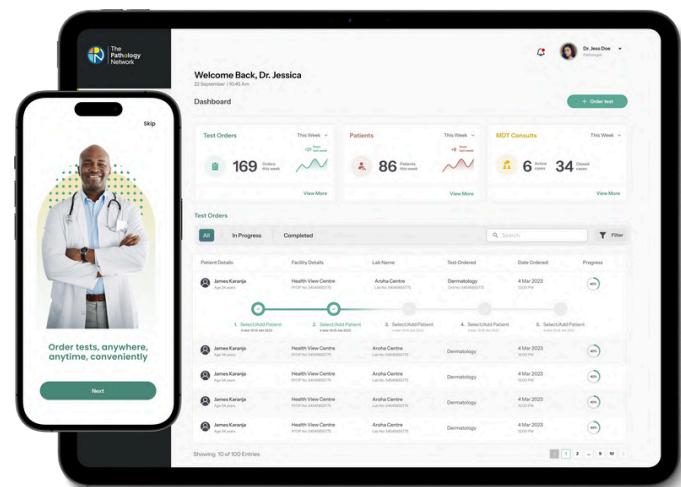
## 7 Years of ALIS: The Olive Hill Story



For over seven years, the ALIS platform has quietly enabled thousands of diagnoses across Kenya. As we transition to Spes360, we reflect on what ALIS taught us about innovation, reliability, and building trust with partners like Dr. Mbuthia. [\*\*Read the full story online →\*\*](#)

## Spes360 Rollout Begins in Kenya

Behind the scenes, we are rolling out Africa's smartest diagnostics platform. From AI-assisted imaging to compliance-ready workflows, discover what makes Spes360 a leap forward.



[\*\*Explore the platform vision →\*\*](#)

# IT IS TIME FOR PAN AFRICAN COLLABORATION IN RADIOLOGY AND PATHOLOGY

---

By Dr. Joshua Kibera

***The sharing economy could be the solution to the diagnostic challenges present in many African countries and in other emerging markets.***

Many cultures around the world have historically placed great emphasis on community and sharing. This is certainly true of many African cultures, where sharing was a way of life. I lived with the Maasai for two years, learning from them how they preserved communal grazing lands before social, political, and economic pressures began to erode their way of life. In the Maasai culture, land is viewed as a communal asset, open for grazing and living by any member of the community, and not as private property to be owned and controlled by individuals.

As a young doctor starting off in my career, these 'alternative' economic views on land ownership held by the Maasai were inspiring, particularly because they resonated

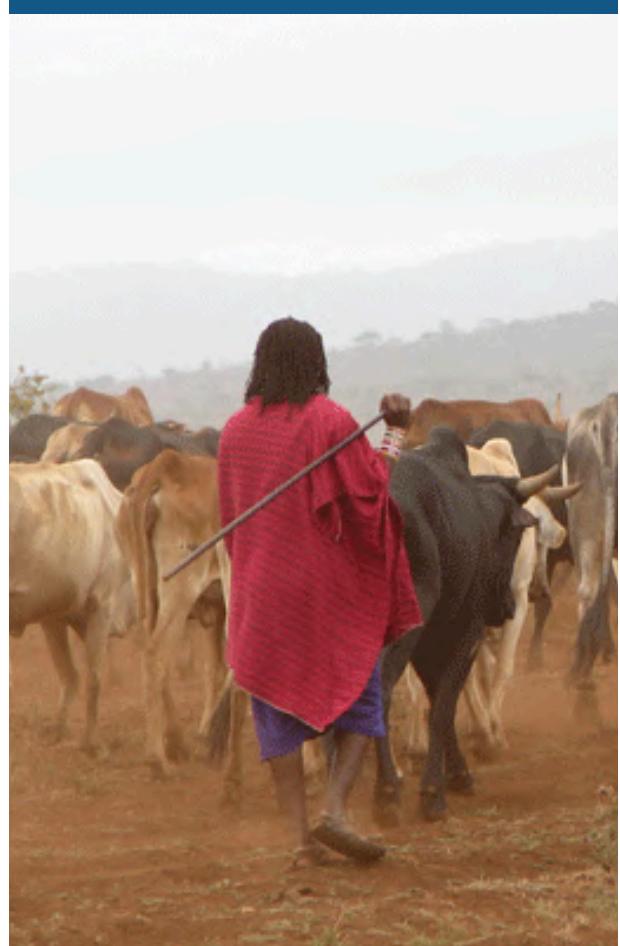
with my understanding that medical skills are also, fundamentally, public assets.

The idea that doctors have a public duty of care is as old as the practice of medicine itself. Whether as traditional healers of yore or modern physicians using the latest technology, practitioners of the healing arts are bound by a social contract to provide medical treatment to those in need and to advocate for the healthcare needs of their communities. The obligations that doctors have to their patients and the public were initially codified in the Hippocratic Oath and are, nowadays, greatly expounded in legal and ethical codes.

**CLICK HERE TO  
READ MORE**

**“Medical skills are also, fundamentally, public assets.”**

*Dr. Joshua Kibera*



# TRANSFORMING CERVICAL CANCER AWARENESS IN KENYA

---



## HOW AYANA AND LIBERATE PRO DELIVERED LIFE-SAVING EDUCATION

**In Kenya, an average of 10 women die each day from cervical cancer—a preventable, treatable and curable disease when detected early enough.**

Yet, stigma, myths, and low awareness often delay diagnosis and care. In early 2024, The Pathology Network (TPN), through its HPV-focused Ayana initiative, partnered with UK-based health-tech company Liberate Pro HealthCare and their parent company Alpha MD, based in Mumbai, India, to tackle this challenge.

Supported by Innovate UK, the project deployed the “LiberatePro” platform, an audiovisual education tool, into 10 hospitals and clinics across Kenya during Cervical Cancer Awareness Month.

## FROM CONFUSION TO CLARITY

LiberatePro, aligned with Kenya's National Cancer Screening Guidelines, enabled healthcare workers to deliver simple, clear, and personalised education—even in local languages.

**400+**  
Women educated

**200+**  
Clinicians trained

**98%**  
Women reported  
better  
understanding

**99%**  
Women confident  
managing their  
health

**95%**  
Women found the  
content useful

**"I got the HPV vaccine at 13 but didn't know the signs or prevention of cervical cancer. I'm really happy I got the knowledge at the moment."**  
— Patient, Emory Hospital

Clinicians praised the tool for improving consultation quality and enabling effective communication in native languages.

**"Now I can explain HPV easily in my native language."**  
— Nurse, PCEA Chogoria Hospital

READ THE  
FULL REPORT



# INSIDE TPN



## Banking on Sustainable Pathology

TPN Kenya is partnering with an eco-logistics provider to cut costs and carbon. Learn how this green move aligns with our strategy to create a cost-effective, climate-conscious diagnostics network. [\*\*Find out more →\*\*](#)

## The TPN Way: Why People Are Our Greatest Asset

At TPN, we believe technology alone does not transform healthcare—people do. In this behind-the-scenes piece, People & Culture Lead, Nancy Njoki, shares how TPN is building a values-led culture where curiosity, collaboration, and accountability thrive. Learn why hiring for mindset over skill is key

[\*\*Read the full article →\*\*](#)



# INSIGHTS FROM THE FRONTLINE

---

## PEER REVIEW OF PROSPECTIVE PATHOLOGISTS

By Dr. Maureen Waithaka



**FROM LEFT TO RIGHT:** NANCY NJOKI (PEOPLE & CULTURE LEAD), CAROLINE NYAGA (DIAGNOSTIC QUALITY TEAM LEAD & INTERNATIONAL SALES CONSULTANT), DR. MAUREEN WAITHAKA (ANATOMIC PATHOLOGIST & COMMUNICATIONS CONSULTANT), AND DR. LEAH OBOSY (PATHOLOGIST, DIAGNOSTIC STEWARDSHIP DEPT. LEAD & TMGC CHAIR).

**The success of any pioneering medical venture such as The Pathology Network rests fundamentally on the calibre and cohesion of its professional team—how well we as professionals connect and uphold each other's work.**

This was at the core of TPN's formation of the Medical Governance Council (TMGC), a body entrusted with, among others, the critical task of bringing new pathologists into our growing team.

As a member of the inaugural council, I embarked on my role with immense excitement and a profound sense of responsibility. When you are committed to upholding the highest standards among highly specialised colleagues like pathologists, it is so much more than just individual diligence. It is a deep dive into really grasping what makes a diagnostic service truly excel at every level.



Diagnostic skill, experience, and qualifications are paramount, but so are collaboration and commitment to quality. Beyond evaluating skills, our peer review process aims to create an environment where pathologists can genuinely learn, grow and contribute within the special ecosystem we are building here at TPN.

This is perhaps the most insightful part of the process—navigating the delicate balance between an individual's skills and their alignment with TPN's culture and core values.

**READ THE FULL  
REVIEW**



# TPN EVENTS

---

## Beyond Technology: Building Trust Through Community Partnerships

Digital platforms may power diagnostics—but trust powers adoption. Partnerships Lead Pascal Olulo shares how community outreach reflects TPN’s belief that healthcare transformation starts with presence, partnerships, and listening on the ground.



**[Read Pascal's Story →](#)**

## TPN Joins Ghana's Health Market Tour



Earlier this year, TPN joined the Ghana Health Market Tour, hosted by Yunik Global and the Healthcare Federation of Ghana. From lab visits to investment roundtables, the trip spotlighted real challenges—and real solutions.

**[Discover what we learned →](#)**

The Pathology Network is an innovative healthtech company building foundational software infrastructure to power diagnostic medicine across Africa.



Our Spes360 platform connects clinicians, hospitals, laboratories and pathologists through a trusted, seamless, end-to-end system for ordering advanced laboratory tests, managing inter-institutional workflow, and delivering diagnostic results of consistent quality. Our core technology is passionately designed by mission-driven African pathologists to be dependable, adaptable and robust in Africa's demanding diagnostic environment.



**LEARN MORE**



# TALK TO US



+254 713 033 844



[communications@tpn.africa](mailto:communications@tpn.africa)



Oxford, Nairobi, Nanyuki



[www.tpn.africa](http://www.tpn.africa)



The  
Pathology  
Network