

LEVERAGING E-LEARNING TOOLS TO STRENGTHEN HEALTH PROFESSIONALS



DECEMBER 14, 2023 - 5PM TO 6PM (GMT+1)



HYBRID EVENT WITH TRANSLATION FR/EN

JOIN US ON ZOOM AND AT THE ENABEL

CONFERENCE CENTER IN BRUSSELS (REGISTRATION MANDATORY)

(Followed by a meet, greet & network event)



Speaker
Steven Van Den Broucke
Infectious Diseases Specialist
@ITM Antwerp



Speaker
Informatics specialist and platform manager for online learning @the Africa Center of Excellence for the Prevention and Control of Transmissible Diseases



Speaker
Elie Khalil
Data System Configuration Lead
@Bluesquare



Moderator
Stefaan Van Bastelaere
Senior Health Expert @Enabel

INTRODUCTION

Stefaan Van Bastelaere
Senior Health Expert, Enabel

Today's conference

- Objective: explore with 3 examples the roles that digital can play in strengthening the capacity and capabilities of health professionals.

Today's speakers

- **Steven Van Den Broucke:** internist & specialist in infectious diseases at the Institute of Tropical Medicine Antwerp. Active member of the [WikiTropica](#) project, the Wikipedia on tropical diseases.
- **Jean Michel Kolie:** Informatics specialist and platform manager for online learning at the Africa Center of Excellence for the Prevention and Control of Transmissible Diseases (CEA-PCMT).
- **Elie Khalil:** Data System Configuration Lead at Bluesquare where he is responsible for developing the analytical capabilities of health data systems and driving the deployment and use of quality data systems based on existing and open-source technologies

WikiTropica

Leveraging E-Learning Tools to strengthen health professionals

Steven Van Den Broucke
14 December 2014



Tool 1: The Illustrated Lecture Notes

The screenshot shows the top navigation bar of the WikiTropica website. On the left is the logo for the Institute of Tropical Medicine Antwerp, featuring a stylized plant and the text 'INSTITUTE OF TROPICAL MEDICINE ANTWERP'. To its right is the 'WikiTropica' logo. Further right, a dark teal button contains the text 'The Illustrated Lecture Notes'. Below the navigation bar, the main heading 'The Illustrated Lecture Notes' is displayed in a large, bold, teal font. Underneath, a line of text states: 'Everything on this platform is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.' Below this is the instruction: 'Select a topic below or use the right navigation to browse to the desired topic.' A row of five yellow buttons follows, labeled 'PROTISTA', 'VIRUSES', 'BACTERIA', 'HELMINTHIASIS', and 'VARIOUS MEDICAL MYCOSES'. Below these is a single yellow button labeled 'VARIOUS SUBJECTS'. A large, rounded rectangular button with a dark border contains the text 'Download the Illustrated Lecture Notes of 2023' and a plus sign on the right. Below this is another rounded rectangular button with a light beige background, containing the text 'Do you want to have sections of these notes offline?' and a plus sign on the right. At the bottom of the main content area, the text 'LAST UPDATED BY ADMIN ON SEPTEMBER 1ST, 2023' is displayed.



Sant Joan de Deu
Barcelona - Hospital



Maastricht University
SHE Collaborates



Vall d'Hebron
Institut de Recerca



Belgium
partner in development

Tool 2: E-Cases

INSTITUTE OF TROPICAL MEDICINE WikiTropica

E-cases and Kabisa

E-CASES **EASERS**

E-cases

E-cases are particularly useful for students or health care professionals who are trying to keep up to date with recent developments or simply to continue their education in the field of tropical medicine. You can find several e-cases below.

Just click on the title and you will be redirected to the case.

HITHE e-cases with a focus on Indonesia

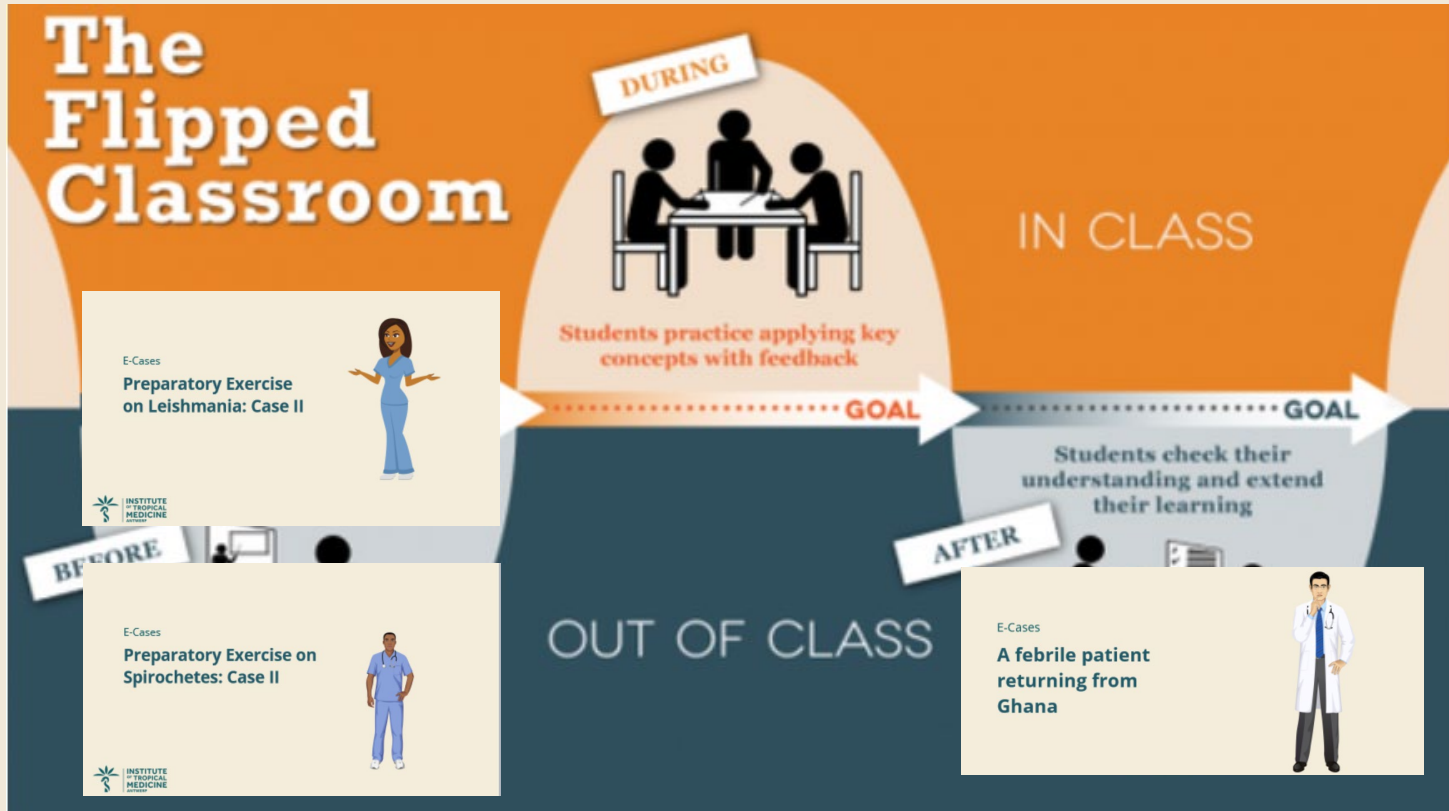
- A CRABBY CHILD
- A FEMALE PATIENT COMING FROM BANARAS IN INDIA
- MELTERRA, MARTINIQUE, GUYANA
- CAN'T STOP SCALDING
- FEMALE BOUTONNE
- FEVER IN RETURNING TRAVELLER
- FLUSSING FACE
- SOON BLEEDING
- OPTIMUM INVESTIGATION PART I
- OPTIMUM INVESTIGATION PART II
- PERILOUS CHANGING
- PHARMACEUTICAL COMMUNITY SETTING SCENARIO
- RAVIA SCALDING
- SLIM HEALING SCALD
- IMPROVED CASE REPORT
- WHEAT-LAMB FEVER

ITM e-cases

- A 55-YEAR OLD MAN WITH CHRONIC SORE LESIONS
- A FEMALE PATIENT RETURNING FROM GHANA
- A PALE BOY IN DENY
- BIG SMALL SCALD
- A WOMAN RETURNING FROM BANARAS TOWN WITH FEVER
- A SCALDED FARM IN CAMBODIA
- REARERAL, GONDOPOLLO AND INTIGALE IN AFRICA
- FEVER AND RASH AFTER A HOLIDAY IN GAMBOLLO
- TROPICAL INTERNAL PATHOLOGY
- MOULTTERRA, MARTINIQUE, GUYANA I
- LEISHMANIA CASE I
- LEISHMANIA CASE II
- LEISHMANIA CASE III
- LEISHMANIA CASE IV
- MOULTTERRA, MARTINIQUE, GUYANA II
- SPINDLE-TREE - EXERCISE I
- SPINDLE-TREE - EXERCISE II
- WEIGHT LOSS AND DIALYDIALYSIS



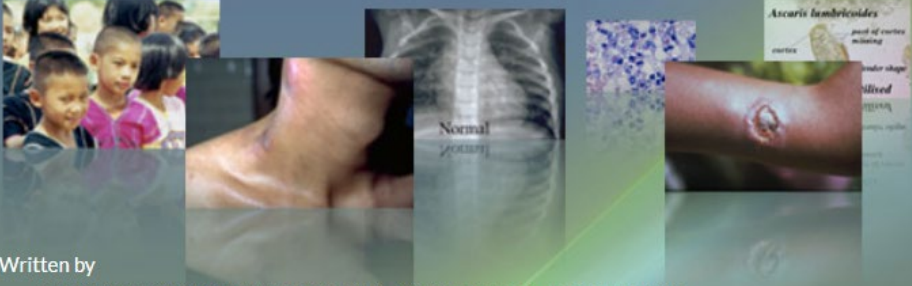
How can we use E-cases?



Tool 3: Kabisa

KABISA VII

Training programme for clinical practice in tropical and subtropical countries



Written by
Luc Kestens, PhD - Koenraad Blot, PhD - Stefano Laganà - Rik Van Hauwe
Every author has the copyright of the consecutive added value

Logic development by
Koenraad Blot, PhD - Zeno Bisoffi - Jef Van den Ende, MD

Images (@Copyright) brought by
Erwin Van den Enden, MD

General direction
Jef Van den Ende, MD

Financial support by
The Institute of Tropical Medicine, Antwerp
The Belgian General Adm. of Cooperation with developing countries



The authors are not responsible for any damage incurred by the incorrect use of Kabisa



Co-funded by the
Erasmus+ Programme
of the European Union



Sant Joan de Déu
Barcelona - Hospital



INSTITUTE
OF TROPICAL
MEDICINE

ISGlobal
Institute for
Global Health



Maastricht University
SHE Collaborates



Vall d'Hebron
Institut de Recerca



Vall d'Hebron



UNIVERSITAT
DE LEUVEN



Belgium
partner in development

MSF Telemedicine



Cases										
ID	Creation	Country	Project	Initial CCC	Last CCC	Primary Specialties	Last Message	Status	Accepted	
13354	01/09/2019, 16:31	South Sudan	OCBA-Ulang	Teresa Gadsden	Teresa Gadsden	Internal Medici...	13/09/2019, 21:22	Partially accepted	1/3	

Show 50 entries

Showing 1 to 1 of 1 entries

Previous 1 Next

Case from South-Sudan

- Male 40y
- Wasting
- Persistent fever
- Important **splenomegaly**



COUGH

SPLENOMEGALY

HEMATURIA

IMPAIRED CONSCIOUSNESS

UPPER ABDOMINAL PAIN

LOWER ABDOMINAL PAIN

HEADACHE

DIARRHEA

CONVULSIONS

ARTHRALGIA

BACK PAIN

CHEST PAIN

DYSPHAGIA

DYSPNEA

UNILATERAL SWOLLEN LEG

HEMATEMESIS

ICTERUS

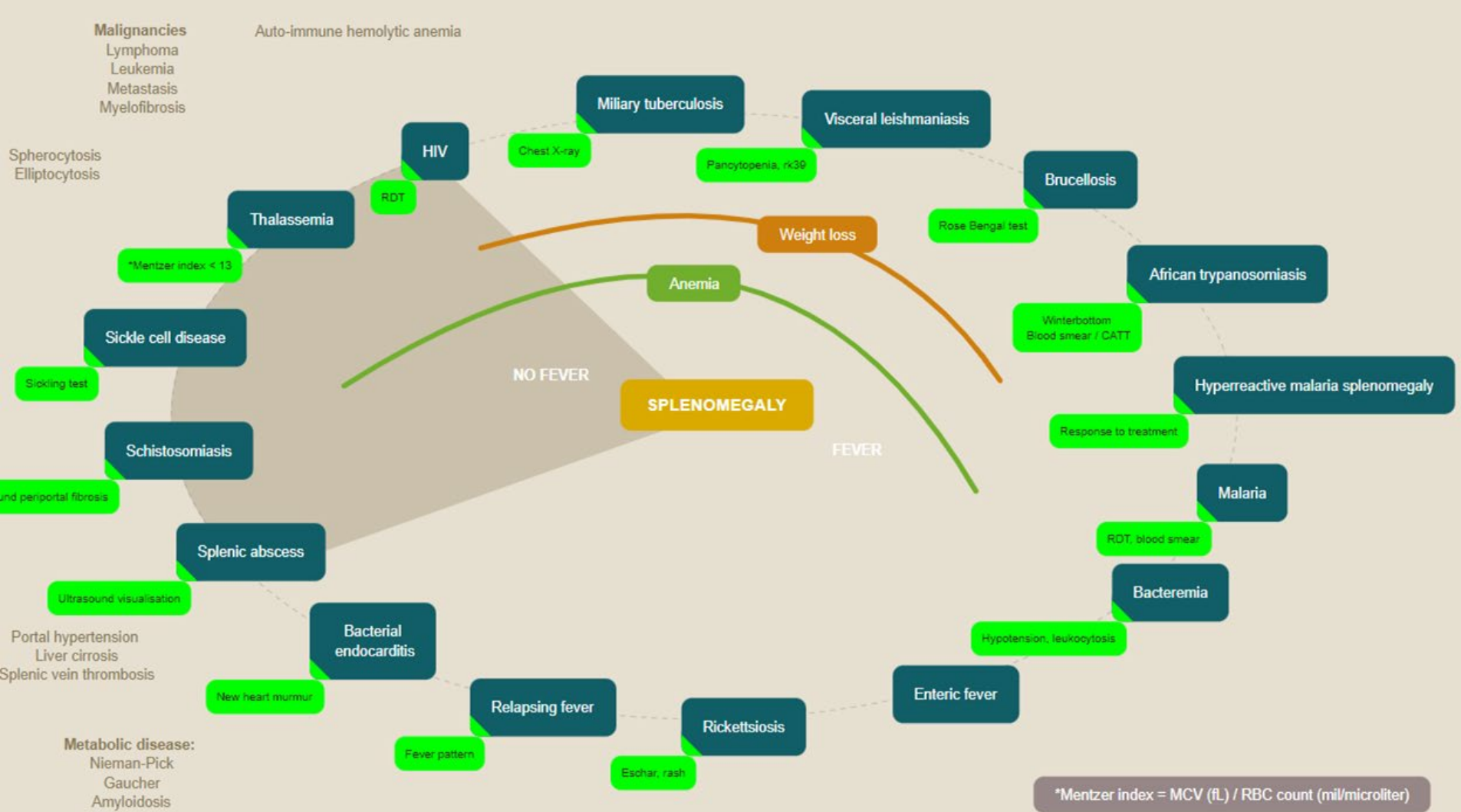
SCROTAL SWELLING

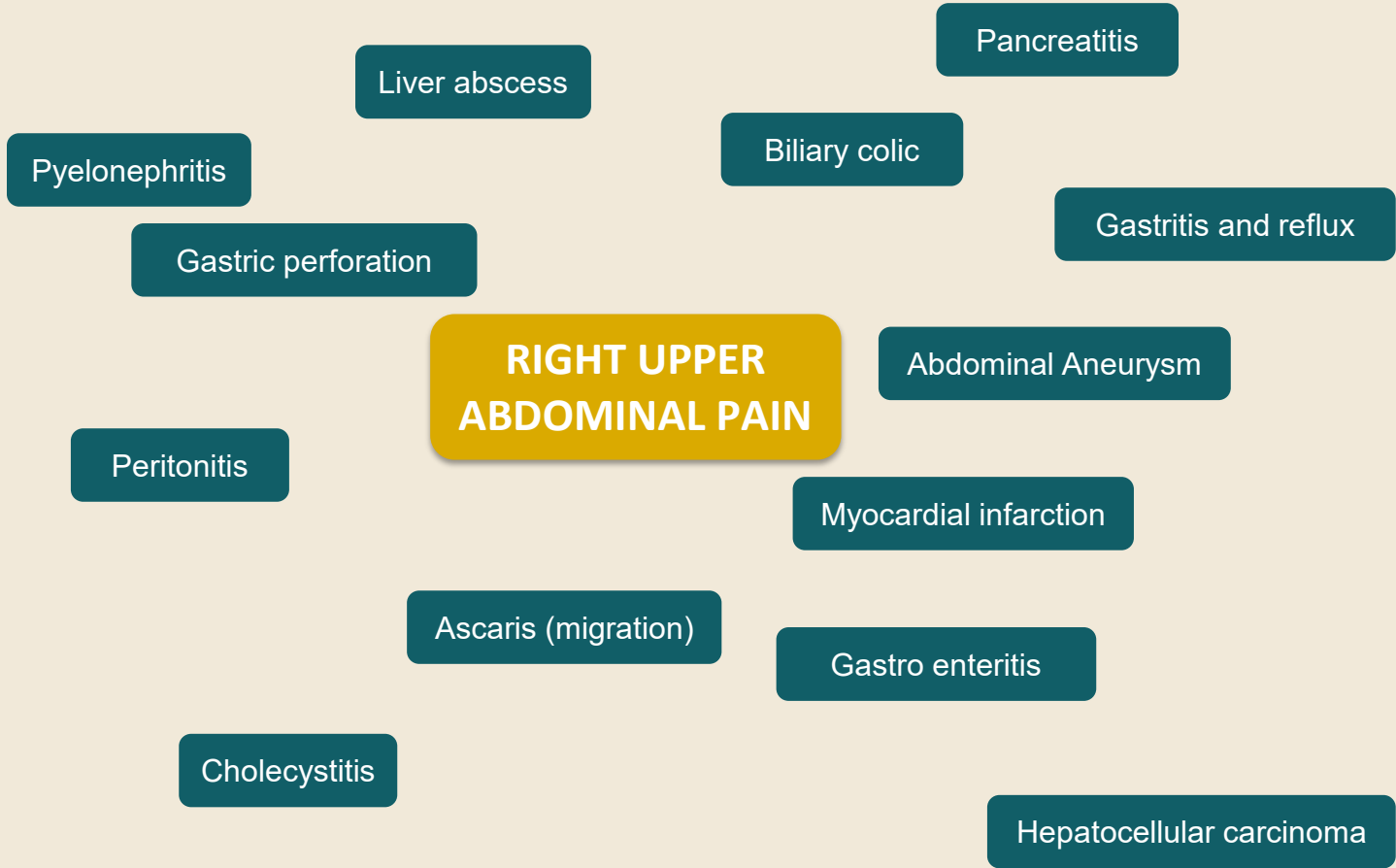
GENERALIZED LYMPHODENOPATHY

PETECHIAE

GENITAL ULCER







Pyelonephritis

Liver abscess

Gastric perforation

Peritonitis

Ascaris (migration)

Cholecystitis

RIGHT UPPER ABDOMINAL PAIN

Hepatocellular
carcinoma

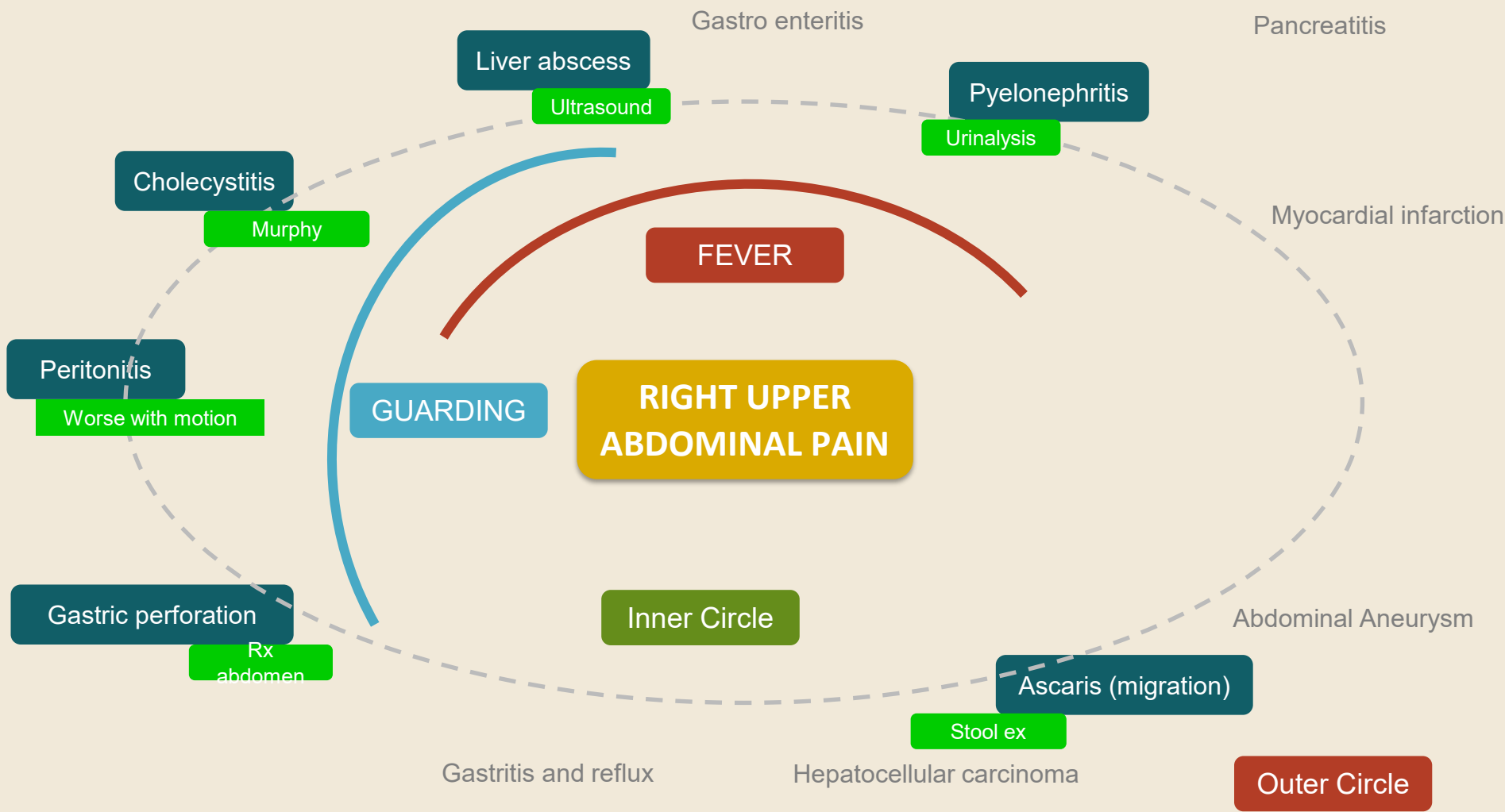
Pancreatitis

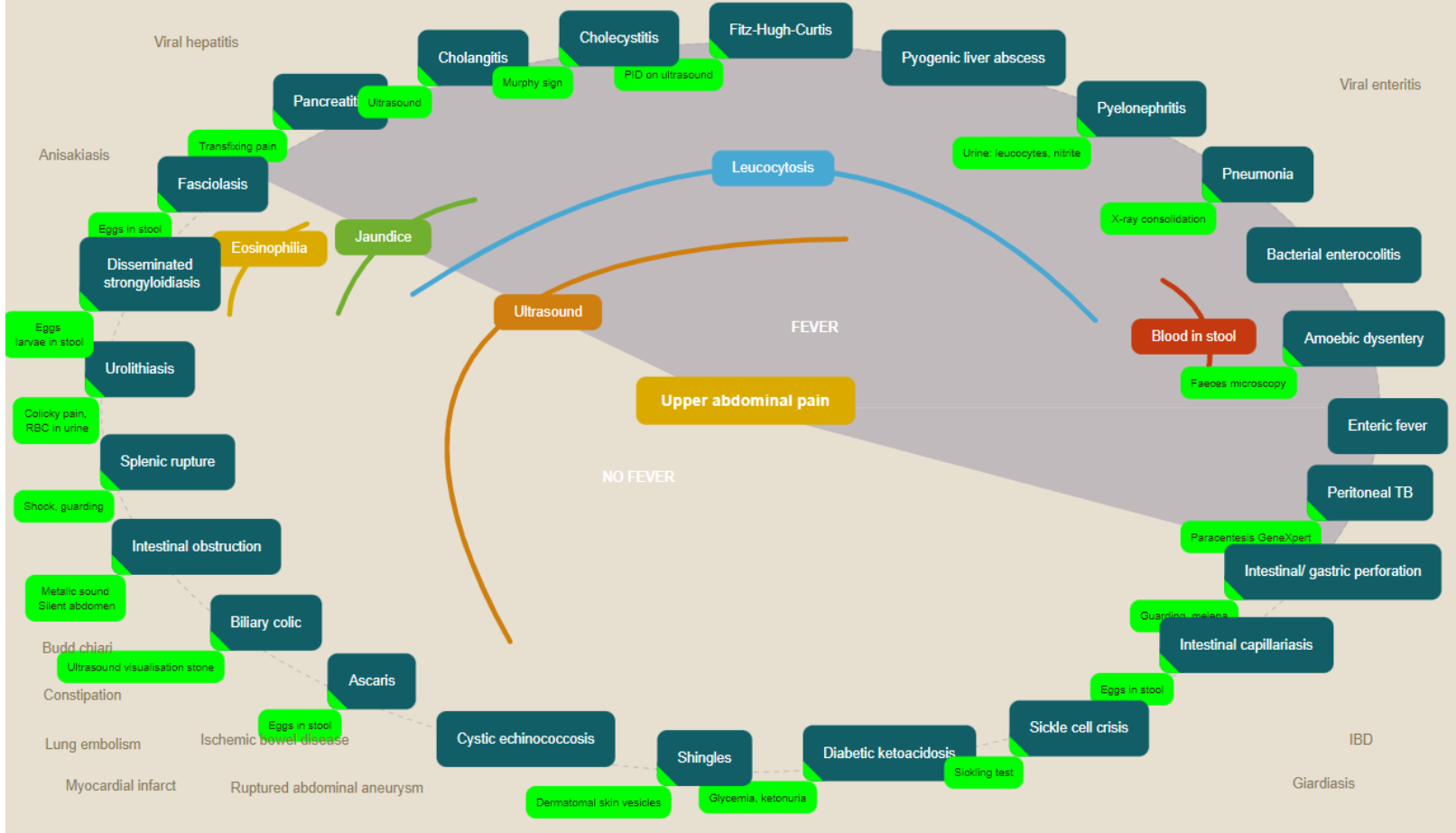
Gastritis and
reflux

Abdominal Aneurysm

Myocardial infarction

Gastro enteritis







Suggestions to improve the panoramas are more than welcome.

E-panoramas serve as a diagnostic aid and a pedagogical tool. As explained in detail under the section 'About this page', ITM cannot be held responsible for any damage incurred using e-panoramas. Below you can find a manual on how the use e-panoramas.

[Panorama explanation](#)

ARTHRALGIA

BACK PAIN

CHEST PAIN

CONVULSIONS

COUGH

DIARRHEA

DYSPHAGIA

DYSPNEA

GENERALIZED LYMPHODENOPATHY

GENITAL ULCER

HEADACHE

HEMATEMESIS

HEMATURIA

ICTERUS

IMPAIRED CONSCIOUSNESS

LOWER ABDOMINAL PAIN

PETECHIAE

SCROTAL SWELLING

SPLENOMEGALY

UNILATERAL SWOLLEN LEG

UPPER ABDOMINAL PAIN

Leveraging E-Learning Tools to strengthen health professionals

A concrete example

From patient ward to e-cases



- ▼ Real Patient Case in the Pediatric Ward
- ▼ Complete Medical Record of The Patient
- ▼ Learning Outcomes Decided on e-cases for WikiTropica.org
- ▼ Backward Learning Materials Designed (Including learning activities, quizzes, answer key, feedback)
- ▼ Transfer to Storyline (articulate.org) to be featured on the platform.



WikiTropica

[The Illustrated Lecture Notes](#)
[E-cases and Kabisia](#)
[E-panoramas](#)
[About this site](#)
[Contact](#)

E-cases are particularly useful as student or health care professional either aiming to keep up to date with recent developments or aiming to continue their education in the field of tropical medicine. You can find several e-cases below.

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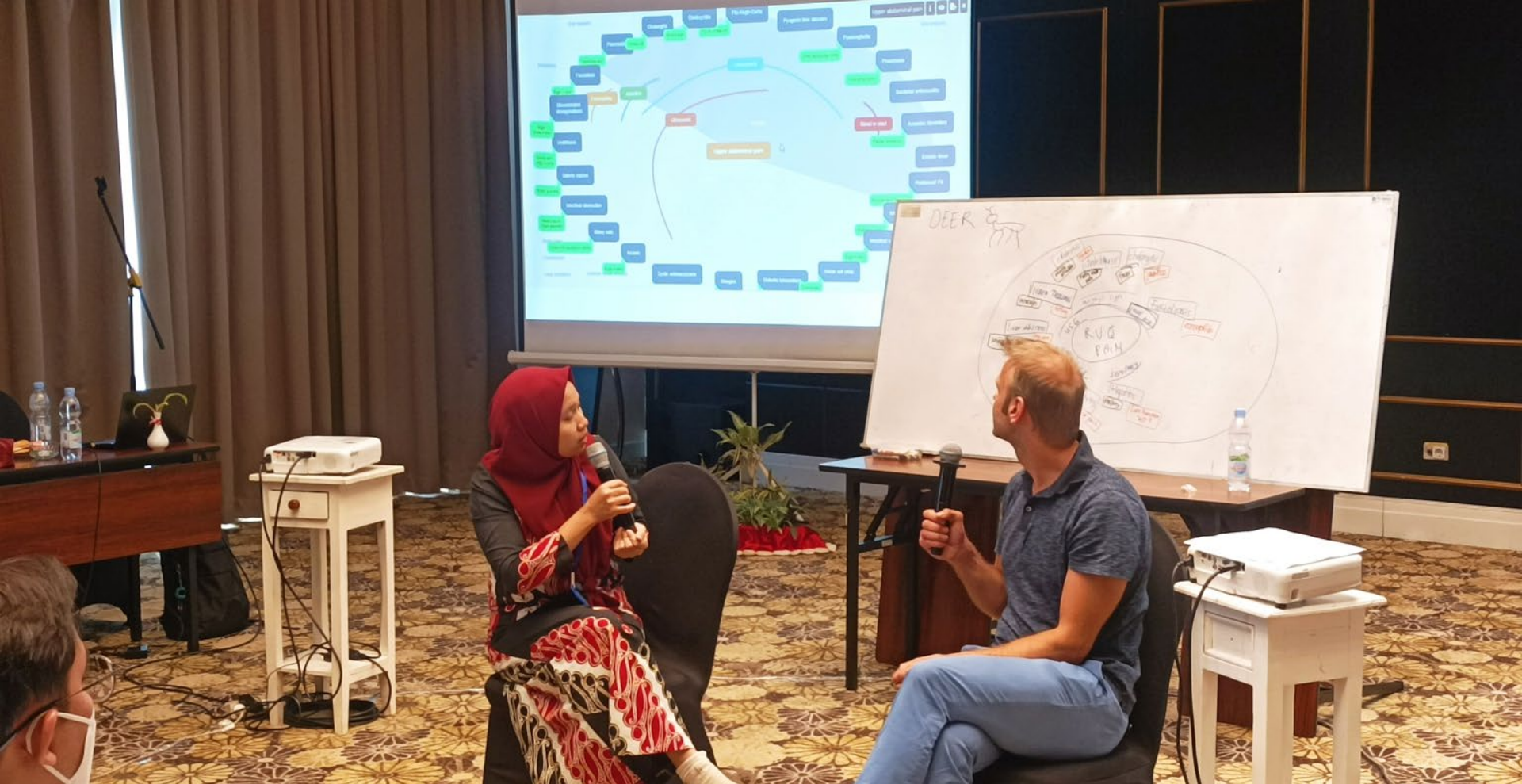
HITHE e-cases with a focus on Indonesia

A CRANKY CHILD
A FEBRILE PATIENT COMING FROM SEMARANG INDONESIA
BREATHLESS BUSSINESSMAN
CAN'T STOP SCRATCHING
FEBRILE SEIZURES
FEVER IN RETURNING TRAVELLER
FLUSHED FACE
GUM BLEEDING
OUTBREAK INVESTIGATION PART I
OUTBREAK INVESTIGATION PART II
PERSISTENT COUGHING
PHARMACIST COMMUNITY SETTING SCENARIO
RAPID BREATHING
SLOW HEALING ESCHAR
UNDERCOOKED MEAT
UNEXPLAINED FEVER

ITM e-cases

A MAN IN BRAZIL WITH CHRONIC SKIN LESIONS
A FEBRILE PATIENT RETURNING FROM GHANA
A PALE BOY IN KENYA
A BIG SMALL GAME
A WOMAN RETURNING FROM BURKINA FASO WITH FEVER





Leveraging E-Learning Tools to strengthen health professionals

A concrete example

From patient ward to e-cases



Real Patient Case in the Pediatric Ward

Complete Medical Record of The Patient

Learning Outcomes Decided on e-cases for WikiTropica.org

Backward Learning Materials Designed (Including learning activities, quizzes, answer key, feedback)

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LOCALLY ROOTED. GLOBALLY RESPECTED

ugm.ac.id



KEYNOTE SPEECH

Prof. Sri Suning is the Director of Education and Learning at the Ministry of Education, Culture, Research, and Technology, RI. attended the event and gave a talk on the importance of open-access platform for education.



LAUNCHING EVENT

WikiTropica.org officially launched on 7 September 2023 in Yogyakarta, Indonesia.



MEDIA EXPOSURE

The event was successful and gained recognition from various media and press locally, even internationally.



WIKITROPICA

WikiTropica ePoster pitch @ ECTMIH, 2023 - 23 November 2023 (12h15-13h15).

LOCALLY ROOTED. GLOBALLY RESPECTED

ugm.ac.id



Leveraging E-Learning Tools to strengthen health professionals

A concrete example

Evaluation of the “MSF Academy for Healthcare” Project
Section “outpatient department”



MSF ACADEMY FOR HEALTHCARE

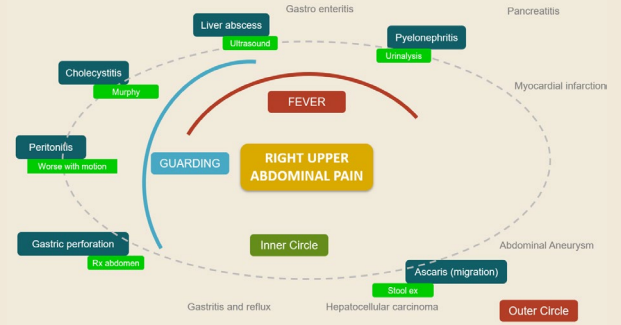
FORMATION



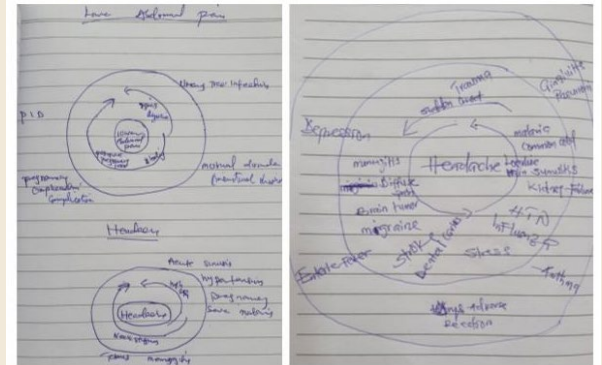
External evaluation carried out by



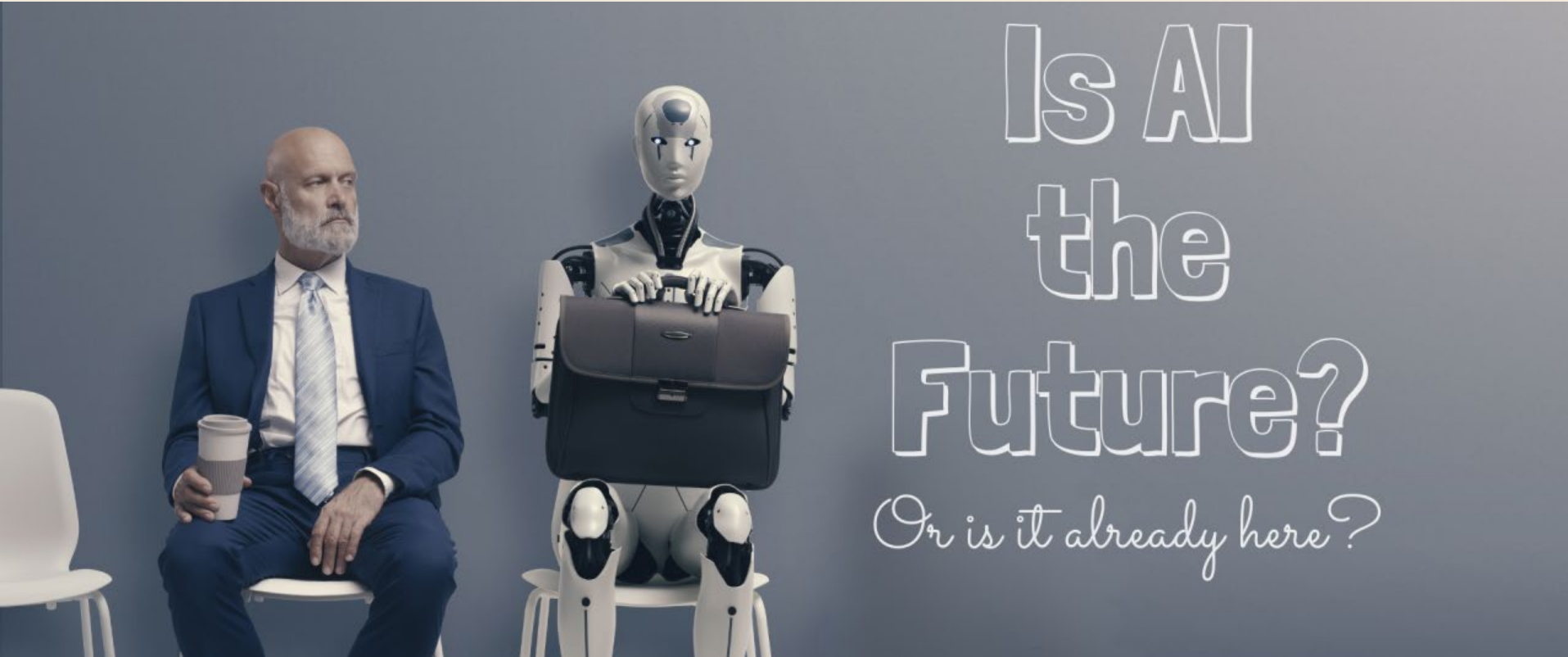
INSTITUTE OF TROPICAL MEDICINE ANTWERP



Panoramas created by the new mentors (former mentees)



Leveraging E-Learning Tools to strengthen health professionals



Is AI
the
Future?
Or is it already here?



Thank you!

Steven Van Den Broucke
svandenbroucke@itg.be

Institute of Tropical Medicine, Antwerp

www.wikitropica.org
www.hitihe.org



Expérience Cours en ligne en Guinée

KOLIE JEAN MICHEL,

Informaticien et responsable de la plateforme d'apprentissage en ligne au
Centre d'Excellence d'Afrique pour la Prévention et le Contrôle des
Maladies Transmissibles (CEA-PCMT)



Plan de Presentation

- Introduction
- Processus de développement des cours
- Deroulement des cohortes
- Méthodologie et approche de la formation
- Modules des cours
- Statistique
- Facteurs critiques de Succès/Défis

Introduction

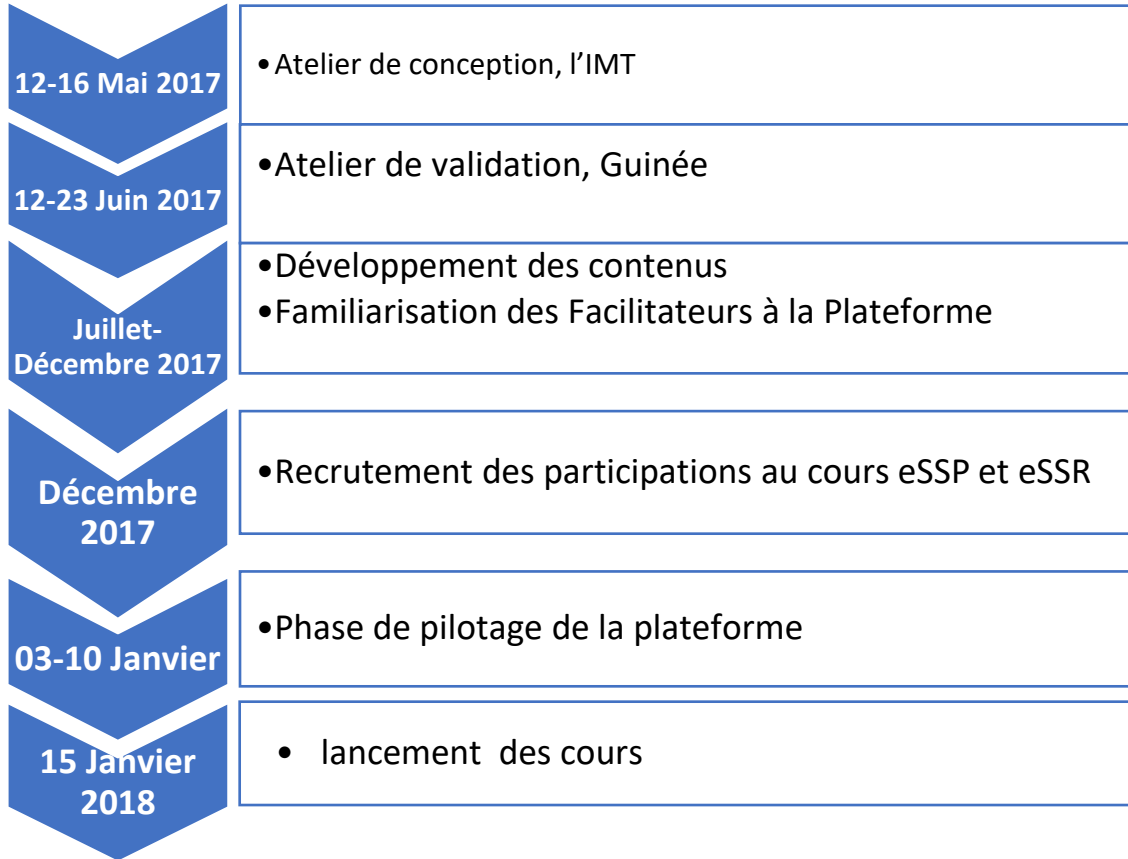
Centre National de Formation et de Recherche en Santé Rurale de Maferinyah (CNFRSR)

- Créé en 1985 par le Ministère de la Santé
- Mission:
 - i. Développer un environnement favorable pour l'offre de services et de soins de qualité à la population;
 - ii. Participer à la formation continue des RHS et la formation initiale et pratique des étudiants de la FTS et des écoles de santé;
 - iii. Entreprendre des recherches dans les domaines socio-économiques et sanitaires.

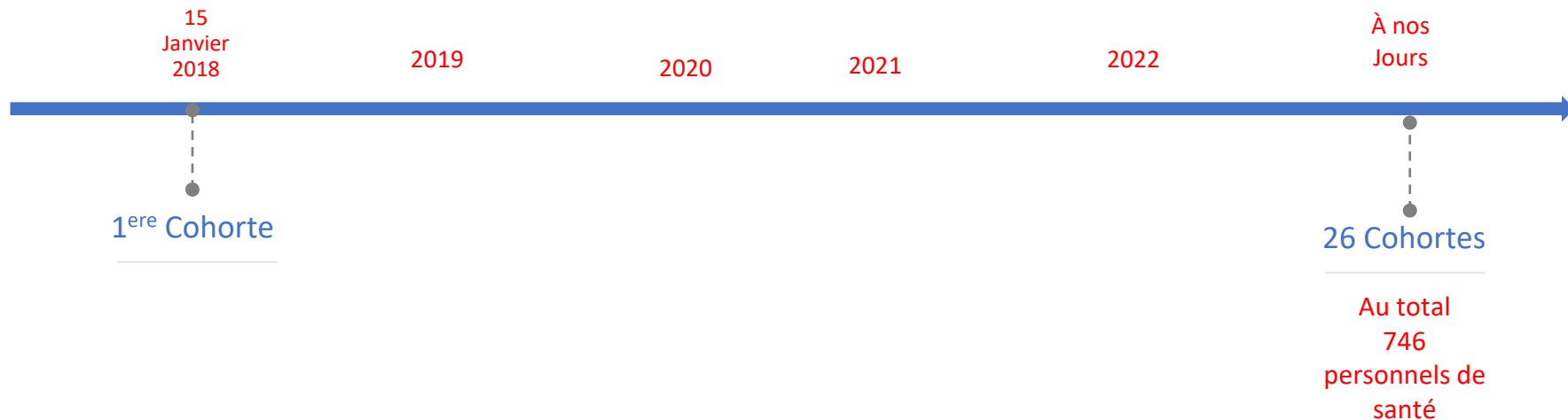
Centre d'excellence africain pour la prévention et le contrôle des maladies transmissibles (CEA-PCMT)

- Créé en 2018 par le Ministère de l'Enseignement Supérieur de la recherche Scientifique et de l'innovation
- Mission
 - i. La formation de professionnels de la santé et des scientifiques de haut niveau en épidémiologie et biostatistiques, contrôle des maladies, santé communautaire et biologie moléculaire au travers des formations courtes et des programmes de master et de doctorat ;
 - ii. Servir de référence pour les programmes et institutions en matière de surveillance épidémiologique, évaluation et recherche de mise en œuvre sur les maladies transmissibles ;
 - iii. créer un laboratoire de référence en biologie moléculaire pour appuyer l'enseignement, la recherche, la production et la diffusion de l'information basée sur l'évidence ;
 - iv. Renforcer la collaboration entre les secteurs de l'enseignement et de la recherche, le secteur de la santé et le secteur privé.

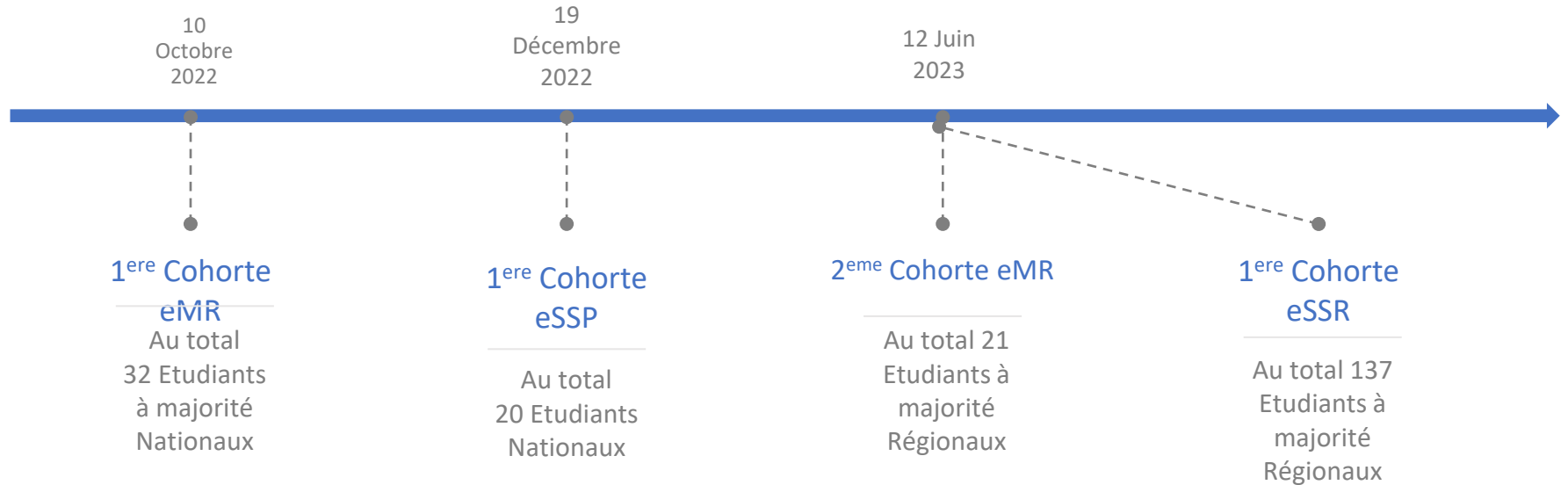
Processus de développement des cours



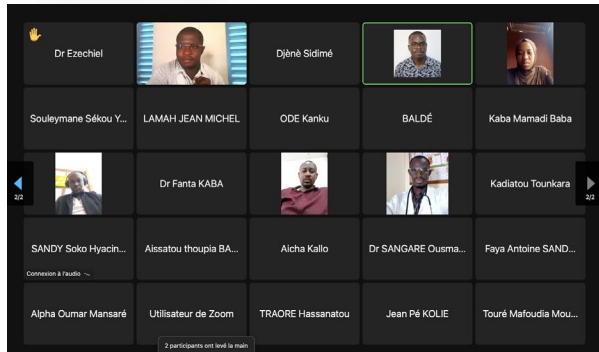
Deroulement des cohortes



Deroulement des cohortes



Méthodologie et approche de formation



Synthèse Zoom

INSTITUTE NATIONAL DE SANTÉ (SYLOS)

Enabel

Objectifs d'apprentissage

Objectifs

A la fin de ce module les participants seront capable de :

- Identifier les différents niveaux du système local de santé (SYLOS), les acteurs et leurs rôles ;
- Définir le Paquet Minimum d'Activités (PMA) et le Paquet Complémentaire d'Activités (PCA) ainsi que leur lien avec les besoins de la population ;
- Expliquer les notions de demande, offre et besoins en soins de santé ainsi que leurs interactions ;
- Appliquer les concepts et notions apprises à travers des exemples ou cas de figures concrets en vue d'une prise de décision.

Package Exe

CEA-PCMT, eSSR_2023
Ezekiel, FATOUMATA SANOGO, Hawa, Maman Tounkara Aissata, Nouzla...

~stevenfass04 +228 91 00 79 64
Bonjour à tous..

J'ai une question..

Pourquoi classe t'on le décès des jeunes filles d'avortement clandestins dans les décès maternels?

10:55

~Baba KALLE +224 628 62 98 22
Le terme Décès maternel concerne tous les décès des femmes de la conception de la grossesse jusqu'à 42 jours après l'accouchement.

Sauf dans les conditions où le décès est lié à autre cause en dehors de la grossesse tel que les AVP, royade...

Donc une fille qui meurt après un avortement est bien un cas de décès maternel.

Dr Baba KALLE. 11:03

~stevenfass04 +228 91 00 79 64

~Baba KALLE +224 628 62 98 22
Le terme Décès maternel concerne tous les décès des femmes de la conception de la grossesse jusqu'à 42 jours après l'accouchement.

11:05

Merci beaucoup 🙏🙏

~Albéric G +229 66 26 40 19

~stevenfass04 +228 91 00 79 64
Bonjour à tous..

Groupe WhatsApp

PEP_eSCART10 Test
Question 1 of 10... Point Value: 10

Which advice does NOT apply to a person who has been exposed to HIV until HIV serology is negative at 6 months after risk exposure?

- Practice protected sex (use condoms)
- Abstain from sex
- Take Cotrimoxazole prophylaxis
- Avoid to donate blood

Score so far: 0 points out of 0

Quizz ou devoir

Case1_VL
Question 1 of 10... Point Value: 10

A 25-year-old The woman was diagnosed HIV in 2002. WHO clinical stage 3 severe weight loss, no history of OI.

This patient was started on ART with ART2CSM9 (May 2015). There is a history of drug interruption for 2 months. Patient's own decision, Oct-Dec 2018, then ART treatment was re-started with the same regimen.

No more drug interruption since then. Adherence is correct as reported.

No history of ART drug side effects at the start of ART. Recently she reported a painless of itchy skin lesions. CD4 count remains, see RT figure.

Is this a case of ART? Correct

No
 Yes

According to the WHO guidelines this patient does not get back the underlying clinical of immunological failure. However, there is a history of treatment interruption (missing an ART) containing regimen without continuing ART for at least 7 days, 10 long period (missing appearing within an ART and adherence)

Score so far: 10 points out of 10

Auto-évaluation

Ajouter une discussion

Discussion	lancé par	Dernier message	Réponses
Questions	Tamba Leno 29 Jun 2023	Salaraga BANTAKPA 5 Dec 2023	9
Remerciements	Salaraga BANTAKPA 5 Dec 2023	Salaraga BANTAKPA 5 Dec 2023	0
Sujet	Aries Idriisa Issaka 5 Dec 2023	Aries Idriisa Issaka 5 Dec 2023	0
remerciem	Marie-Jeanne Niamy 5 Dec 2023	Marie-Jeanne Niamy 5 Dec 2023	0
remerciem	Mariamane Kanté 5 Dec 2023	Mariamane Kanté 5 Dec 2023	0
validation de FD	MHEZZA PASSAJI 13 Sep 2023	EZEKIEL ADAM 24 Nov 2023	1
Test module 1	FATOUMATA SANOGO 7 Jul 2023	Justine KOAGODO 21 Nov 2023	1
Remerciements	Salaraga BANTAKPA 19 Nov 2023	Salaraga BANTAKPA 19 Nov 2023	0
Remerciement	BALDE Halimatu 13 Nov 2023	BALDE Halimatu 13 Nov 2023	0
Module 1	Hilarion Laban Maw... 12 Oct 2023	Hilarion Laban Maw... 12 Oct 2023	0
Question - Reponse	JEAN MICHEL LAMA... 28 Jun 2023	Salaraga BANTAKPA 3 Sep 2023	6
Questions Réponses	Abia Gildas TENDU 28 Jun 2023	Salaraga BANTAKPA 3 Sep 2023	7

Forum de discussion

Modules des Cours

eMR

1. Introduction eMR
2. Revue de la littérature et gestion des références
3. Ethique de la Recherche
4. Protocole de recherche
5. Conduite de la

eSSR

1. Introduction SSP
2. Système Local de Santé
3. Gestion des données de Routine
4. Monitoring Amélioré
5. Qualité et intégration des soins
6. Approches communautaires en santé
7. Promotion de la santé
8. Promotion de la santé
9. Violences Basées sur le Genre et Stratégies de

eSSP

1. Introduction SSP
2. Système Local de Santé
3. Gestion des données de Routine
4. Monitoring Amélioré
5. Qualité et intégration des soins
6. Approches communautaires en santé
7. Promotion de la santé

Statistique C01 eMR/eSSP

eMR (32)



68%



32%



Profils des étudiants

eSSP (20)



74%



26%



Profils des étudiants

■ Medecin
■ Etudiants FC
■ Sociologue
■ Autre

■ Medecin
■ Etudiants FC
■ Autre

Statistique C01 eSSR/eMR

eSSR(137)



63%



37%

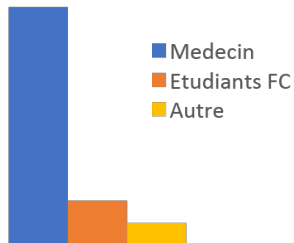
eMR(21)



71%



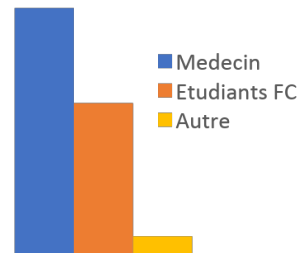
29%



Nationalité

27 Nationaux

110 Regionaux



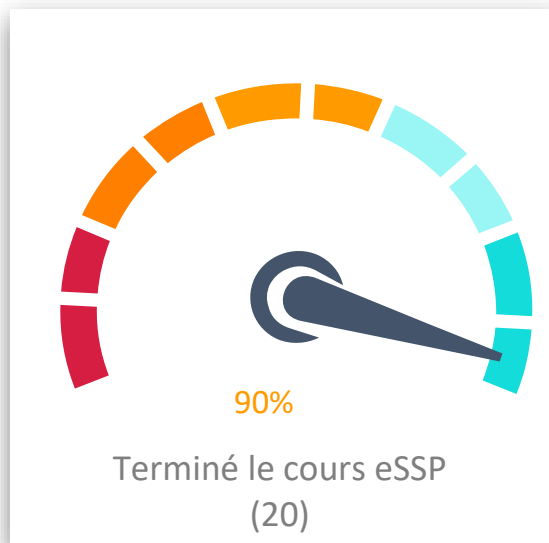
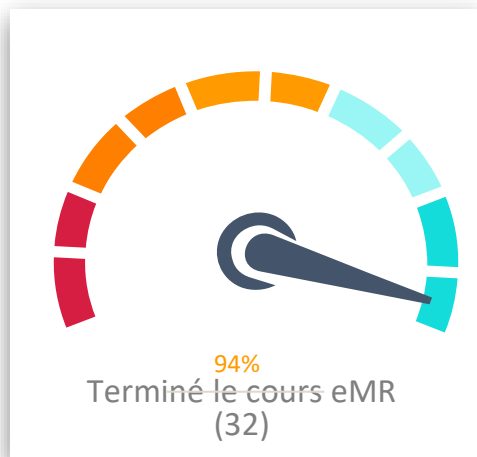
Nationalité

6 Nationaux

15 Regionaux



Statistique



Validé 16 (53,33%)



7 Femmes | 44%

9 Hommes | 56%

Pas validé 14 (46,66%)



3 Femmes | 21%

11 Hommes | 79%

Validé 11 (58%)



3 Femmes | 27%

8 Hommes | 73%

Pas validé 07 (42%)

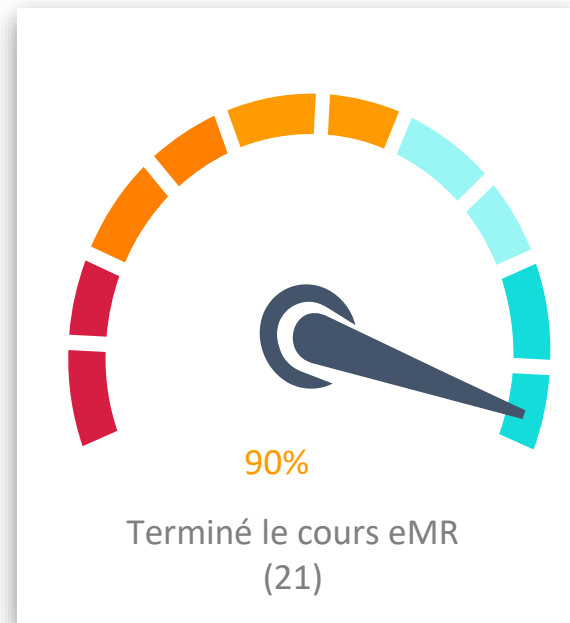


2 Femmes | 29%

5 Hommes | 71%



Statistique



Facteurs critiques de succès

- Plateforme éducative facilement accessible
- Supports techniques d'apprentissage (Synthèse zoom/enregistrement, supportExe, forum de discussion/groupe WhatsApp, exercices d'application clairs et compréhensibles)
- Liberté d'adapter la formation à son travail
- Professionnalisme pédagogique (qualité des réponses et des explications des animateurs et des administrateurs)
- Disponibilité de l'administrateur et du responsable informatique
- Possibilité d'accéder aux ressources sans internet

Défis

- Faibles connaissances en informatique
- Connexion pas toujours fiable
- Support technique intensif





BLUESQUARE

Integration of e-learning tools into the Health Information Systems

Élie Khalil, Data Systems Configuration at
Bluesquare Lead - 14/12/2023



Keys point to remember

1. Learning tools can't exist in a vacuum
2. Tools and platforms are meant to communicate
3. Enhancing e-learning platforms with data-driven analysis
4. Clinical Vignettes - From paper to integration into the National Health Management Information System of Côte d'Ivoire
5. Supervision and e-learning provides a unique vision on the health systems and its realities
6. Reducing fragmentation of tools, looking for leverage and data integration

A person wearing white gloves is holding a tablet computer. The background is a laboratory or office setting with various equipment and papers. The entire image has a blue tint.

Learning can't exist in a vacuum

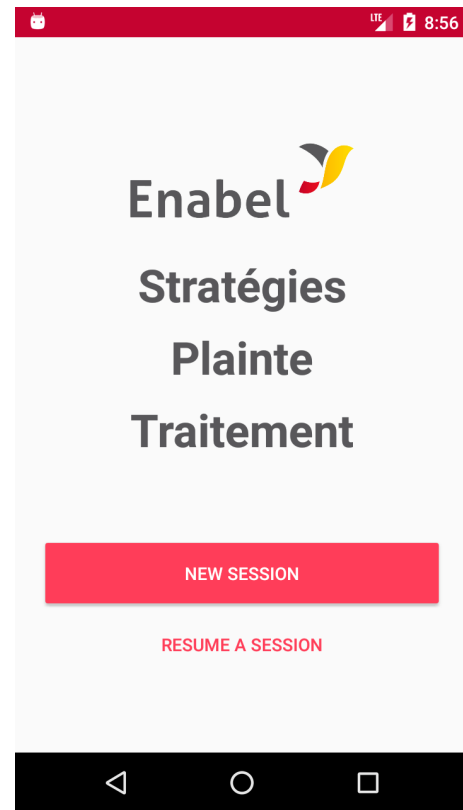
E-Learning tools and Information Systems

- Healthcare professionals are in need of continuous formations aligned with their reality and needs
- E-learning tools and programs can be data-driven and should integrate into the general Health Information System Ecosystems
- E-learning tools provide a unique view on the health systems and the inter-area/region specificities
- Crossing information provided from e-learning tools/supervision with logistic and epidemiologic data allows to provide a better understanding of the health systems
- Continuous formation and supervision have a proven positive impact on quality of care

Enabel SPT/Ikirezi Application

The SPT Application

- Strengthens and simplify diagnostic and triage in the hospitals in Burundi
- Targets nurses and doctors to support them in their responsibilities in the hospital environment
- Provides a diagnostic and therapeutic clinical decision support tool that allow to grow in their own roles
- Supports healthcare professionals in their practice



A person wearing white gloves is holding a tablet computer. The background shows a laboratory or office environment with various pieces of equipment and papers. The entire image has a blue tint.

Tools and Platforms

Tools and platforms

- Bluesquare has developed specific tools targeting specific needs like the SPT/Ikirezi applications and integrated others projects into more generalist tools as laso or DHIS2.
- We strongly believe data integration between tools and information systems is key to leverage a better understanding of the field reality and the nature of the data collected
- Depending on the nature of the e-learning goals and methodologies, it is possible to reuse tools and platforms already common either for the supervisor or the healthcare professionals: DHIS2, laso and Moodle for example.
- Platforms as Moodle allows to develop and concentrate resources and materials but are not enough in isolation to build up from the continuous training and personal development into a larger scale integration into HIS.

Building on existing platforms, projects and information systems

Enabel project in Rwanda to digitise ultrasound procedure during pregnancy follow-up visits:

- Health professionals are trained to use a common data collection tool : DHIS2
- Integration of the data into the National Health Information System Ecosystem
- Allows to cross reality with e-learning future tools to create continuous training aligned with the reality of health professionals
- E-learning opportunities will rise from the ongoing processes of digitalisation of the health information system
 - Understanding the reality based on factual and enhanced information.
 - Extending the coverage of domains by the HIS opens the door to designing data-driven learning/training program to support healthcare professionals on the field

A hand wearing a white latex glove holds a tablet computer. The background is a clinical setting with a desk, a printer, and a white cup. The entire image has a blue color overlay.

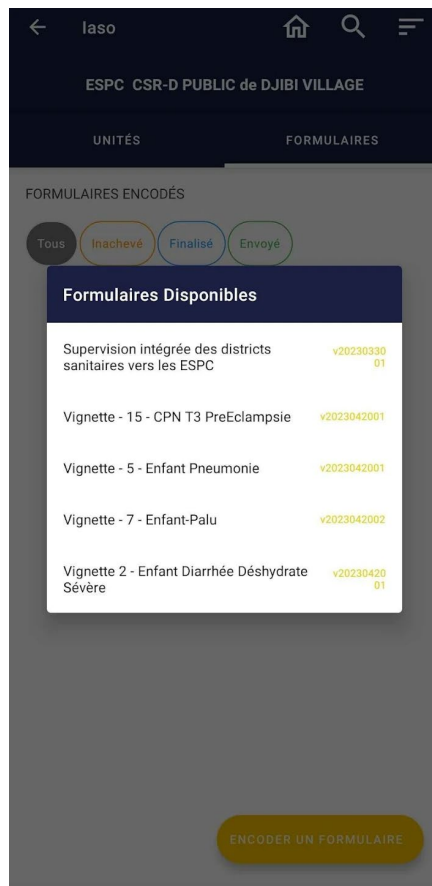
Vignettes Cliniques RCI

Clinical Vignettes - Côte d'Ivoire (BMGF/WB/DGS)

- Clinical vignettes are a special type of clinical teaching case used primarily to measure trainees' knowledge and clinical reasoning.
 - Primary Health Care Performance Initiative
- Targeting different subjects such as such as malnutrition, diarrhea, pneumonia, tuberculosis, malaria and pre-eclampsia
- Integration of the paper design into XLSForms through the laso platform : mobile app for data collection and web application for evaluation of process and synchronization into the national HMIS (based on DHIS2).
- Monitoring and evaluation dashboards available into the NHMIS
- Provide data-driven approach to enhance supervision and supervisors methodologies

Clinical Vignettes - Côte d'Ivoire

- In total 25 Clinical Vignettes scenarios were designed
- Strengthening of capacities to maintain and use the tools but also to add and modify futures clinical vignettes
- Tools and platforms are more than just their users, they need to be administered, maintained and hosted



A person wearing white gloves is holding a tablet computer. The background is a clinical setting with various medical equipment and supplies. The entire image has a blue tint.

Key points to remember

Keys point to remember

1. Learning tools can't exist in a vacuum
2. Tools and platforms are meant to communicate
3. Enhancing e-learning platforms with data-driven analysis
4. Clinical Vignettes - From paper to integration into the National Health Management Information System of Côte d'Ivoire
5. Supervision and e-learning provides a unique vision on the health systems and its realities
6. Reducing fragmentation of tools, looking for leverage and data integration
7. Thinking into larger frameworks to integrate e-learning into existing digital ecosystems already existing



BLUESQUARE

Helping global health
resources get where they
matter most.

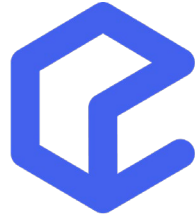
www.bluesquarehub.com

Resources and links

- [On SPT processes digitalization and impact in Burundi](#)
- [Play Store : SPT Application](#)
- [Play Store : Vignettes Cliniques - Côte d'Ivoire](#)
- [Primary Health Care Performance Initiative](#)
- [Peabody, John W et al. "Using vignettes to compare the quality of clinical care variation in economically divergent countries." Health services research vol. 39,6 Pt 2 \(2004\)](#)

Extra: Lifenet - MEAL vision

- Unified MEAL system integrating Iaso, DHIS2 and Moodle
- Logistic and Public Health oriented data collection (Iaso)
- Learning and continuous training (Moodle)
- Data integration and MEAL dashboards (DHIS2)
- Quality and data-driven approach to evaluate quality of care and resources of chosen Health Facilities
- Reducing fragmentation of tools and data
- Being able to share reports with government and health facilities
- Sharing feedbacks and results to enhance the quality of supervision



BLUESQUARE

Thank you!

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Q & A

RAISE YOUR HAND TO SPEAK !

THANK YOU FOR YOUR PARTICIPATION !

You would like to pursue the conversation ?

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