

Empowering Pediatric Oncology: The GFAOP Early Diagnosis MOOC

Dr Fatou Lama Dièye

Groupe Franco-Africain d'Oncologie Pédiatrique

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NOTHING TO DISCLOSE

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Overall GFAOP's strategy related to Early Diagnosis

- Childhood cancer survival in resource-limited countries is hindered by late-stage diagnoses
- 30% of patients registered in the GFAOP's database dont received curative treatment because of advanced stage.
- Since 2019 early diagnosis programs aligned with the World Health Organization's 2030 objectives were set up by the group
- First phase through pilote program developed in 8 countries supported by Foundation BMS (2019/2022)
- ~~Second phase with support of Foundation S in 6 countries (2022/2025)~~

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Main Objectives of the GFAOP's Early Diagnosis program ^{1/2}

Strategic Objective: Contribute to achieving the 2030 objectives through early diagnosis

Secondary Objectives:

1. Enhance the professional skills of health caregivers (doctors, nurses, prescribers) in French-speaking Africa on the early diagnosis of childhood cancers
2. Create a framework of collaboration with Ministries of Health for the implementation of country plans for the early diagnosis of childhood cancers, including the dissemination of tools
3. Raise public awareness about childhood cancers by developing effective communication tools, including new tools to maximize the number of people trained

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Main Objectives of the GFAOP's Early Diagnosis program _{2/2}

Expected Outcomes:

1. More than 1,200 persons trained throughout the first pilot program (2019-2022)
2. Implementation of the second program in 6 countries, started in 2022 in 2 countries.

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A MOOC:

a more adapted tool to increase global health impact in Africa 1/2

- The most important challenges for GFAOP were related to high training costs in local centers, which limited early diagnosis training capacity and sustainable deployment (average 240 Euros/157 430 FCFA trainee)
- The GFAOP/WHO-Afro partnership, signed in 2022, resulted in the creation of a new tool adapted to a global health objective
- The creation of a Massive Open Online Course (MOOC) was decided to complement the GFAOP strategy based on direct training.

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A MOOC

a more adapted tool to increase global health impact in Africa 2/2

- The MOOC aims to adapt our implementation strategy to the African context and to increase individual expertise through new technology.
- Officially launched in December 2023 via GFAOP's digital platforms & emails sent to pediatric oncologists members of the GFAOP network & via the LinkedIn professional network
- The MOOC was also presented to healthcare professionals at conferences and face-to-face training

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Process to create the MOOC _{1/2}

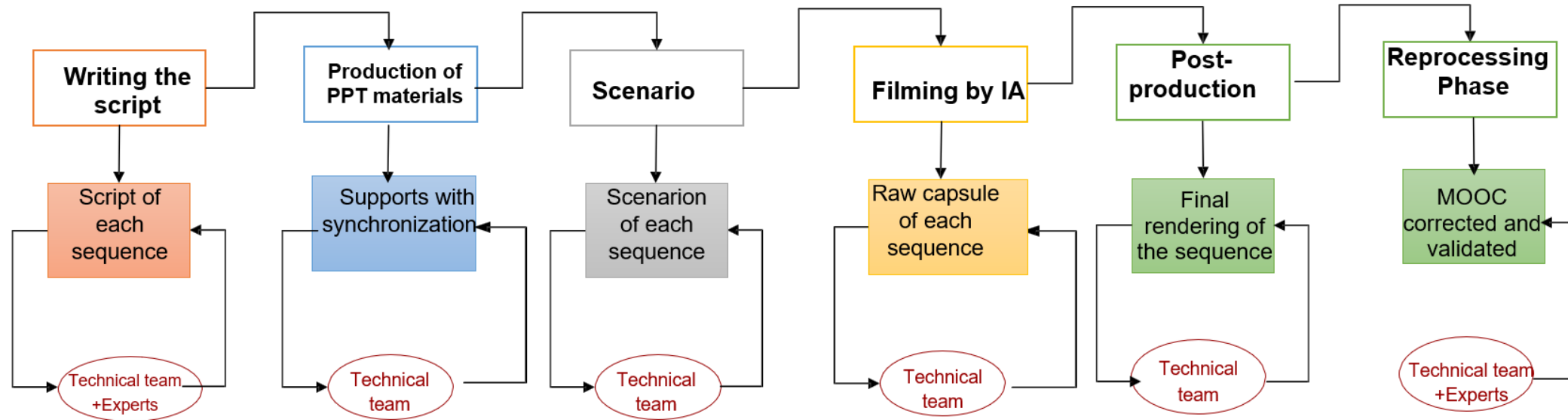
- Establishment of a steering committee: from resource-limited countries
 - ✓ Pediatric oncology
 - ✓ Pedagogical techniques
- MOOC adopted
 - ✓ A self-paced, tutor-less asynchronous learning format
 - ✓ Occasional synchronous adjustment sessions
- After considering a hybrid model with tutoring support, MOOC format was chosen due to uncertainties in local tutoring systems
- Get support from the **Foundation S**

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Process to create the MOOC _{2/2}



Development Process

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Content adapted to African contexte

- Instructional design phase focused on setting goals and objectives for Early Diagnosis considering
 - The African context
 - Available resources
 - Needs
- AI integration into the videos required an extensive preparation of pedagogical material, including Visual supports Oral scripts Pedagogical scenarios



Pictures 1: MOOC interface in e-gfaop platform

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Content

- The course comprises 4 units, 13 sequences covering
 - ✓ Childhood cancer basics
 - ✓ Early diagnosis significance
 - ✓ WHO's prioritized pathologies
 - ✓ Patient reference
 - ✓ The role of healthcare agents and local caregivers

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Conclusion

- The GFAOP's Early Diagnosis MOOC is pivotal for enhancing childhood cancer care in resource-limited countries
- MOOC is a significant milestone in offering accessible and quality education for healthcare professionals in pediatric oncology
- Integrating AI can facilitate the training of caregivers and thus contribute to achieving the WHO's global goal of 60% early diagnosis of childhood cancer by 2030

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Thanks to GFAOP ED steering committee

Laïla Hessissen, GFAOP president , Morocco

Fatou Lama Dièye, GFAOP project manager, Senegal

Gilles Bognon, pediatric oncologist UOP Porto Novo, Benin

Chantal Bouda, pediatric oncologist UOP Ouagadougou, Burkina Faso

Aimée Kissou, pediatric oncologist UOP Bobo Dioulasso, Burkina Faso

Mame Ndella Diouf, pediatric oncologist UOP Dakar, Senegal

Jean Jacques Atteby, pediatric oncologist UOP Bingerville, Ivory Coast

Line Couitchere, pediatric oncologist UOP Treichville, Ivory Coast

Aichatou Mouhamadou, pediatric oncologist UOP Niamey, Niger

Moustapha Diop, pediatric oncologist UOP Donka, Guinea Conakry

Jules Guédénon, pediatric oncologist UOP Lome, Togo

Ekhtel Bénina Zein, oncopédiatre UOP Nouakchott, Mauritania

Thanks to the
support of



My child
matters

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African children with cancer can and must be treated effectively in Africa, by trained African teams.

Thank you for your attention



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