

Dr Fréjuste Agboton

Nuclear physician & developer

Curriculum vitæ

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PROFILE

A Beninese physician trained at the Faculty of Health Sciences in Cotonou, completing the nuclear-medicine specialization in Algiers — scintigraphy, PET imaging, iodine-131 therapies. A self-taught product developer, co-founder of the Bet'up studio and creator of his own products (NucleAtlas, KoraKori, Invest-IA), designed, coded and run single-handed. Two master's degrees added to the specialty — biophysics and radiation protection; medical informatics and health information systems. One horizon: to practise in Benin, and to build there digital tools cut for African realities.

EDUCATION

State Doctorate in Medicine	2021
FSS, University of Abomey-Calavi, Cotonou. Thesis defended on 29 March 2021, with the highest distinction — Très Honorable and the jury's congratulations: a software tool for hospital accreditation, which became the AccredHospi-Bénin platform.	
Completing the nuclear-medicine specialization	2026
Hospital training in Algiers, in its final stretch.	
Master's in Biophysics–Radiation Protection	2026
University of Abomey-Calavi. Radiation protection of patients and staff, dosimetry.	
Master's in Medical Informatics and Health Information Systems	
INSSA, Nazi Boni University, Bobo-Dioulasso. Hospital information systems, interoperability, health data.	
Scientific Baccalaureate, series D	2011
Passed with honours (mention Bien).	

DISTINCTIONS — 2021

First prize — “Bénin Santé 2021” e-health hackathon
November 2021, with Digit-Ordino
First prize — MAIC 2021, international artificial-intelligence competition
Magister team, December 2021
Prix Afrique — IT6 firm and Mohammed V University (Morocco) e-health call for projects
July 2021, with Digit-Ordino

PUBLICATIONS & WORKS

Houndetoungan GD, Diakité R, Fachinan OH, Hounkponou MKE, Agboton Frejuste Babatoundé , et al. Comparaison des scores visuel et QPS en tomoscintigraphie myocardique : étude de 30 cas. <i>Journal Africain d'Imagerie Médicale</i> , 2026 ; 18(1):31-38.
Houndetoungan GD, Fachinan OH, Hounkponou MKE, Obey CA, Agboton BF , et al. Connaissances et perception de la médecine nucléaire par les médecins exerçant au Bénin en 2024. <i>Médecine Nucléaire</i> , 2025 ; vol. 49.
Agboton BF , et coll. Quantification de la dose d'exposition dans des services de radiologie à Porto-Novo avant l'ère du suivi dosimétrique au Bénin. <i>Le Bénin Médical</i> , 2025 ; n°073.
Houndetoungan GD, Fachinan OH, Hounkponou MK, Agboton BF , et al. Principales indications de la scintigraphie conventionnelle dans le guide béninois de bonnes pratiques en imagerie médicale. <i>Journal de Radiologie et de Médecine Nucléaire d'Afrique</i> , 2024 ; 3(1):14-22.
Houndetoungan GD, Fachinan OH, Abogbo G, Agboton BF , et al. État des lieux et perspectives de la médecine nucléaire au Bénin en 2022. <i>Journal de la Société de Biologie Clinique du Bénin</i> , 2022 ; 40:26-30.
Agboton BF . Perspective de développement d'un outil informatique pour l'accréditation hospitalière : cas de la mesure de la performance du management de deux hôpitaux universitaires béninois en 2020. <i>Thèse de doctorat en médecine, Faculté des Sciences de la Santé, Université d'Abomey-Calavi</i> , 2021.

CLINICAL EXPERIENCE

Clinical internship at CNHU-HKM in Cotonou (2019–2020) — emergency, paediatrics, neurology, obstetrics and gynaecology, trauma. Assistant general practitioner at La Compassion clinic, Cotonou (2020). COVID-19 response volunteer in Covê (2020–2021): screening, triage and care. Locum general practitioner in the hospitals of Cotonou and Sèmè (2021–2022). Professional placement in the radioimmunoassay department of the FSS (2022–2023): assays, quality control and radiation protection.

COMMUNICATIONS

Design and validation of a digital hospital-accreditation tool in Benin: assessing management in two university teaching hospitals

Hospital Scientific Days of Benin, August 2023

Current and future trends in digitalization

AEMC conference, April 2022 — panellist

SELECTED PROJECTS

NucleAtlas nucleatlas.org 2025

A nuclear-medicine encyclopedia — structured articles for professionals, students and the public.

KoraKori korakori.com 2025

A portfolio tracker for investors on the regional stock exchange (BRVM) — daily valuation, performance, dividends and alerts.

Invest-IA invest-ia.net 2025

Market analysis and investing education for the BRVM — free, to learn before you invest.

DIZONLI dizonli.com 2025

A community-minded walking app: count your steps, set challenges and make progress together.

IMENA-GEST imena-gest.net

Radioactive-waste and hospital management for a nuclear-medicine department.

RadCalc Pro 2026

A dosimetry calculator for nuclear medicine, usable offline (PWA).

AccredHospi-Bénin 2020

The hospital-accreditation platform born from the doctoral thesis, trialled in two teaching hospitals in Cotonou.

Bet'up 2021

Some fifteen platforms built for third parties through the Bet'up studio (Cotonou): learned societies, congresses, nonprofits, practices.

SKILLS

Medicine & imaging — nuclear medicine, scintigraphy / SPECT, radiation protection, dosimetry, thyroid oncology, clinical decision support

Development — Next.js, React / React Native, Supabase / Firebase, Python, product design

Data & AI — statistical analysis, scoring engines, LLM integration in production

LANGUAGES

French, Fon — native · English — intermediate