



DR. AHMED HAMDY MHSB, MD

Consultant Diagnostic & Interventional Radiologist

Lecturer of Radiology — Aswan University, School of Medicine |

Co-Founder & CEO, Elnokhba–Eterna Medical Group

PhD • EDiR • MSc • HMD–AUC • AI in Healthcare Diploma • MBA Candidate

PHONE

+20 102 159 6070

EMAIL

Ahmedmhsb87@gmail.com

LOCATION

Assiut, Egypt — Alzahra, Abdelatef St.

LINKEDIN

Ahmed Mhsb

SYNDICATE

Egy. Med. #101809

NATIONALITY

Egyptian

PROFESSIONAL SUMMARY

Consultant Diagnostic & Interventional Radiologist with **17+ years of clinical, academic, and entrepreneurial experience** across Egyptian university hospitals and private medical institutes. Holder of an Egyptian PhD (Aswan University), the European Diploma of Radiology (EDiR), and a Hospital Management Diploma from the American University in Cairo, currently pursuing an MBA at AUC. Recognized expertise in **urology imaging, kidney transplant evaluation, and prostate MRI (PI-RADS v2.1)**, with a track record of peer-reviewed publications, international conference presentations, and supervision of postgraduate theses. **Co-Founder and CEO of an integrated radiology and medical-services group** in Upper Egypt and Cairo.

PERSONAL INFORMATION

Date of Birth: 10-02-1987 • **Married** — 2 daughters & 1 son • **Military Service:** Exempted
• **Nationality:** Egyptian

CORE CLINICAL EXPERTISE

- Prostate MRI & PI-RADS v2.1 Reporting
- Multiparametric MRI & DWI/ADC Analysis
- Ultrasound, Doppler & TRUS
- Hepatobiliary & GIT Triphasic CT
- Renal Transplant Imaging
- CT / MRI of All Body Regions
- AI Integration in Radiology Workflows
- Healthcare Management & Operations

KEY PROJECTS & STRATEGIC INITIATIVES

Healthcare Entrepreneurship & Business Development

- Founded and scaled an **integrated multiple center radiology & medical-services group** (Elnokhba–Eterna) across Upper Egypt and Cairo, from a single imaging center (2015) to a multi-site group spanning radiology, laboratory, polyclinic and neuro-investigation services
- Led the **progressive modality expansion**: established CT services (2017, upgraded 2019), MRI unit (2020), and integrated laboratory & EEG services (2024) — building a full diagnostic hub serving the Al-Qusiya.
- Structured the legal and governance framework of the group — including a limited-partnership company, multi-partner physician agreements, and formal partner entry/exit (withdrawal) arrangements.

Financial Planning, Feasibility & Operational Strategy

- Authored **multi-scenario financial feasibility studies and 5-year financial models** (Big-4 standard) for new radiology and diagnostic ventures — including a 1.5T MRI center, a multi-modality CT/X-ray/ultrasound center, and a 15-branch medical-laboratory chain (Hub-and-Spoke model).
- Built detailed **capital, cash-flow, and liquidity-risk analyses** to support financing decisions, including bank-initiative funding applications and identification of working-capital gaps.
- Designed **financial dashboards and cost / net-worth tracking models** for ongoing oversight of clinical and operational performance across the group.

Clinical Innovation & Sub-Specialty Protocols

- Standardized **prostate MRI reporting on PI-RADS v2.1** and renal-transplant imaging protocols, translating fellowship-level sub-specialty expertise into routine center practice.
- Introduced advanced uro-radiology and multiparametric MRI services to a previously under-served Upper-Egypt region.

Education, Training & Quality

- Coordinated teaching programs managing a residency cohort of **~219 residents**; taught and examined **~450 post-graduate radiographers** under the Ministry of Health.
- Contributed to **quality assurance and accreditation** initiatives (Quality Control Unit, CIQAP residency logbook / credit-point system) at Aswan and Assiut University Hospitals.
- Led **brand and marketing strategy** for the flagship center, building an engaged community presence of ~19K followers and structured patient-acquisition campaigns.

AI INTEGRATION & DIGITAL INNOVATION

Active integration of artificial-intelligence tools across both clinical reporting and healthcare-business operations, grounded in a formal AI in Healthcare Diploma (AUC).

Clinical & Radiological Applications

- **AI-assisted reporting workflows** — incorporating AI tools to support detection, prioritization, and structured reporting in CT and MRI practice.
- Use of **large language models (LLMs)** for structured radiology reporting, clinical documentation, differential-diagnosis support, and rapid literature synthesis.
- Application of AI to **standardized reporting templates** (e.g., PI-RADS structured reports) to improve consistency and turnaround.

Business, Financial & Operational Applications

- **AI-driven financial modeling** — building feasibility studies, 5-year projections, and scenario analyses with AI-assisted spreadsheet and document generation.
- AI-supported drafting of **legal, governance, and operational documents** (partnership agreements, withdrawal agreements, policy manuals) in bilingual Arabic/English formats.
- **AI-augmented marketing & content** — campaign planning, video scripting, and patient-education material for the group's digital presence.
- Proficient across **leading LLM and generative-AI platforms**, integrating them into daily managerial and decision-support workflows.

Foundation & Forward Strategy

- Formal training: **Diploma in AI in Healthcare — AUC, Onsi Sawiris School of Business (2026)**.
- Strategic goal: institutionalize AI across the Elnokhba–Eterna group as a model for AI-enabled private radiology in Egypt.

EDUCATION & CERTIFICATIONS

2026 – Present **Master of Business Administration (MBA) — In Progress**

American University in Cairo (AUC), School of Business

2026 **Diploma in AI in Healthcare**

AUC, Onsi Sawiris School of Business

2020 **Doctorate of Medicine in Diagnostic Radiology (MD / PhD)**

Aswan University, School of Medicine — Thesis: Interobserver Agreement of PI-RADS v2 in Prostate MRI

2019 **European Diploma of Radiology (EDiR)**

European Society of Radiology — Cert. E000013-2019

2014 **Master Degree of Diagnostic Radiology (MSc)**

Assiut University, School of Medicine

2012 **Professional Hospital Management Diploma (HMD)**

American University in Cairo (AUC) — Participant #600100889

2009 **Bachelor of Medicine & Surgery (MBChB)**

Assiut University, School of Medicine

ACADEMIC CAREER & TEACHING ROLES

2020 – Present **Lecturer of Radiology**

Aswan University, School of Medicine (6 years)

- Delivers undergraduate and postgraduate radiology lectures and clinical teaching.
- Supervises master's and doctorate theses in diagnostic radiology.
- Member of departmental academic and examination committees.

2014 – 2020 **Assistant Lecturer of Radiology**

Aswan University (5 years)

- Conducted diagnostic imaging teaching for residents and undergraduates.
- Contributed to curriculum development and departmental strategy.

2018 – 2022 Teacher & Examiner of Radiographers

Aswan Institute of Technicians & Radiographers — Ministry of Health

- Taught and examined ~350 post-graduate radiographers.

2016 – 2019 Radiology Specialist (Part-time)

Aswan Oncology Center · Magdy Yacoub Heart Foundation (observer/researcher)

2011 – 2013 Resident of Diagnostic Radiology → Internship / House Officer (2010–2011)

Assiut University Hospitals

CLINICAL & CONSULTANT POSITIONS

2020 – Present Consultant of Radiology

Egyptian Medical Syndicate (6 years)

2023 – Present Consultant of Radiology

Health Insurance Hospitals (3 years)

2025 – Present Consultant of Radiology

Police Hospitals (1 year)

2021 – 2023 Radiology Consultant & Head of CT/MRI Unit

Aswan El-Sadaka Hospital, Aswan

- Led the CT/MRI unit operations, protocols, and reporting quality.

ENTREPRENEURIAL LEADERSHIP — OWNED MEDICAL INSTITUTES

Founder and operator of an integrated radiology and diagnostic-services group in Upper Egypt and Cairo, combining clinical excellence with strategic business development, financing, and operational management.

2026 Co-Founder & CEO — Eterna Radiology Centre

Cairo — 5th District

- Six-physician-partner radiology center; co-led founding, governance structure, and exit-valuation framework.
- Group's first Cairo-based expansion, extending the model beyond Upper Egypt.

2024 Founder & COO — Elnokhba Laboratory, Polyclinic & Neuro-Investigation Centre

Al-Qusiya, Assiut

- Added laboratory, polyclinic and neuro-investigation (EEG) services to build a full diagnostic hub.

2023 Founder & CEO — Agyal Radiology Centre

Dairout, Assiut

- Second-city radiology center expanding the group's geographic reach in Assiut governorate.

2018 Co-Founder & CEO — Elnokhba Company for Medical Services (LP)

Limited-partnership holding company

- Holding vehicle consolidating ownership and governance across the group's centers.

2015 Co-Founder & CEO — Elnokhba Radiology Centre

Al-Qusiya, Assiut — Flagship center

- The group's founding center; progressively expanded with CT (2017/2019), MRI (2020), and lab/EEG (2024).

MANAGERIAL & ADMINISTRATIVE EXPERIENCE

2015 – 2018 Deputy Director

Aswan University Hospital

2014 – 2016 Deputy Director — Radiology Department

Aswan University

2018 – Present Member — Quality Control Unit

Aswan University Hospitals

2013 – 2014 Administrator of Radiology

Aswan University

Since 2011 Coordination, Quality & Accreditation Roles

Assiut & Aswan University Hospitals

- Coordinator of teaching programs for undergraduates, house officers and residents — managed a residency program for ~209 residents.
- Coordinator of pre-employment orientation course for junior residents — Assiut University Hospital (2011–2012).
- Formal member of the Quality Assurance team — Assiut University Hospitals (2011–2012).
- Contributor to the residency “Logbook” for the master-degree credit-point system within the CIQAP accreditation project — Aswan Faculty of Medicine (since 2015).

CLINICAL FELLOWSHIPS

Urology & Nephrology Center (UNC), Mansoura University — Full-time Clinical Fellow & Researcher (24 months · 2016–2018)

- Renal graft evaluation and follow-up — donors and recipients — via enhanced CT, MRI and angiographic studies.
- Prostate imaging including TRUS and multiparametric MRI according to PI-RADS v2.1 (subject of PhD thesis).
- Hands-on observation of unique uro-radiological interventions performed exclusively at UNC.
- Male infertility imaging — TRUS and dedicated MRI of prostate, seminal vesicles, vas deferens, and testes.

Gastrointestinal Surgery Center (GISC), Mansoura University — Fellow Doctor (Part-time · 2018)

- High-quality barium studies including barium defecography.
- Hepatobiliary and GIT triphasic MSCT for congenital, traumatic, and neoplastic lesions.
- Liver donor and recipient evaluation — US, PV/HA Doppler, CTA, and volumetric reconstruction.
- Liver graft evaluation — Portal Vein Doppler, CTA, MRA.

Magdy Yacoub Heart Foundation, Aswan — Clinical Observer & Researcher (Part-time · 2016–2019)

- Hands-on observation of advanced cardiac CT and cardiac MRI studies in a tertiary cardiac center.

PEER-REVIEWED PUBLICATIONS

1. Ahmed AH, Hamdy AH, Ebeed AE, et al. **"Interobserver agreement of Prostate Imaging–Reporting and Data System (PI-RADS v2)."** Egyptian Journal of Radiology and Nuclear Medicine, 52, 5 (2021). <https://doi.org/10.1186/s43055-020-00378-w>
2. Ahmed AH, et al. "Role of Multi-parametric MRI in loco-regional staging of prostatic cancer." Medical Journal of Cairo University.
3. Ahmed AH, et al. "MRI Role in early detection and discrimination of Prostate cancer." Medical Journal of Cairo University.
4. Co-author. "Frequency of rifampicin-resistant Mycobacterium tuberculosis by GeneXpert MTB/RIF." Indian Journal of Tuberculosis, Vol. 70, Issue 3, July 2023.
5. Co-author. "Clinical, physiological, and radiological different phenotypes of COPD patients." The Egyptian Journal of Bronchology (2023) 17:59. <https://doi.org/10.1186/s43168-023-00232-3>
6. Galal et al. "Is There a Correlation Between Pulmonary Inflammation Index With COVID-19 Disease Severity and Outcome?" SVU-IJMS, 5(2):35-50, 2022.
7. Mahmoud HA, Mostafa RG, El-Ebidi AM, Ahmed AH, Saadi MG. "Fibroblast Growth Factor 23 and Risk of Vascular Calcification in Hemodialysis Patients." International Journal of Chemical and Biochemical Sciences (ISSN 2226-9614).

THESIS SUPERVISION

- Master Thesis: The Role of Computed Tomography in Phenotyping of COPD — Aswan School of Medicine.
- Doctorate Thesis: Fibroblast Growth Factor 23 and Risk of Vascular Calcification in Hemodialysis Patients — Aswan School of Medicine.
- Master Thesis: Role of Cardiac CT in Calcium Score — Aswan School of Medicine.

TEACHING COURSES DELIVERED

- | | |
|--|---|
| • Training course in Neuroradiology — Aswan, Egypt (2014). | • Vascular Radiology — Mansoura University (2019). |
| • Training course in Chest CT — Aswan, Egypt (2016). | • Chest Ultrasound — Chest Dept., Assiut University (2019). |
| • Obstetric & Gynecologic Ultrasound — Assiut University (2018). | • Pulsatile Tinnitus — ENT Dept., Assiut University (2019). |

SCIENTIFIC PRESENTATIONS

- Barium and MRI Defecography Made Easy — Radiology Symposium, Aswan University (2019).
- ADC as a Prognostic Factor in Evaluation of Prostate Cancer — Aswan University (2019).
- Petrous Anatomy for Residents — Radiology Symposium, Aswan University (2018).
- Renal Graft Imaging — Aswan University (2017).
- Radiology of Pulsatile Tinnitus — Radiology Symposium, Assiut University (2013).
- DWI & ADC Quantitative Evaluation of HCC Post-Ablation — Assiut University (2012).

MEMBERSHIPS, CONFERENCES & WORKSHOPS

Memberships & Affiliations

Egyptian Society of Radiology & Nuclear Medicine (ESNMR) • European Society of Radiology (ESR) • African Society of Radiology (ASR)

Conferences & Workshops

- MEET Symposium — 2018, 2019, 2020.
- African Society of Radiology Congress — 2018, 2019, 2022, 2023.
- Egyptian Society of Radiology & Nuclear Medicine (ESNMR) — 2019, 2021, 2022, 2023, 2024.
- Medical Research Conference “Develop your Research Potentials” — Mansoura University, July 2016.
- International Training Course in Scientific Writing & Publications — Aswan, August 2018.

SKILLS, LANGUAGES & TECHNICAL COMPETENCIES

Radiological & Operational Skills

- Reporting all CT and MRI examinations.
- Performing & reporting US and Doppler.
- Teaching residents and specialists.
- Managing radiology departments and personnel.
- AI-assisted reporting workflows.
- Healthcare business development & financial planning.

Languages & IT

Arabic — Native • English — Excellent (TOEFL iBT 90) • ICDL Certified (2010) • GE Centricity RIS • PACS • MS Office • SPSS • AI tools

CHARITY & COMMUNITY SERVICE

- Hundreds of free sonographic examinations through community medical campaigns.
- Participated in non-profit medical campaigns covering Abu Simbel and Kom Ombo (2016–2020).
- Public lectures on breast cancer screening and the role of radiology in early diagnosis — Assiut Governorate.
- Public awareness lectures on prostate cancer screening for men.

FUTURE CAREER PLANS

- Integrate AI-driven solutions into daily clinical and managerial workflows in radiology.
- Expand the Elnokhba and Eterna group of medical institutes as a model for high-quality private radiology in Egypt.

PROFESSIONAL REFERENCES

Prof. Dr. Tarek El-Diasty

Mentor — Founder, UNC Radiology Dept.; Chief, ESNMR — Mansoura University
+20 122 227 1525 · Teldiasty@hotmail.com

Prof. Dr. Mohamed Abo Elghar

Vice-Director, Urology & Nephrology Center — Mansoura University
+20 122 283 2362 · maboelghar@mans.edu.eg

Prof. Dr. Mostafa Hashem Othman

Mentor & Examiner — President of Radiology Dept., Assiut University Hospital

Dr. Wael Mohamed Wagdy

Consultant & Head of Radiology Dept. — Saudi German

+20 100 068 4012

Hospital, KSA
+20 102 386 7322 · waelmwagdy@yahoo.com