

DR. MARAWAN A. ARAFAT

General Manager | Director of Medical AI | Healthcare
Executive
Nephrology Consultant
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Pennsylvania, USA | MENA Region



Professional Summary

Healthcare executive and Medical AI leader with over 10 years of experience driving clinical excellence, digital transformation, and AI-powered diagnostics across international healthcare systems. Proven track record in leading hospital operations, developing innovative medical technologies, and optimizing healthcare services at both institutional and regional levels.

Currently serving in senior leadership roles as General Manager and Director of Medical AI, with a focus on advancing AI-driven diagnostics, improving healthcare performance, and integrating technology into modern clinical environments. Brings deep expertise in nephrology and transplantation, combined with strong capabilities in medical research, academic supervision, and healthcare system development.

Core Expertise & Leadership Capabilities

AI & Digital Health Leadership

Leading the development and implementation of AI-driven solutions to enhance clinical diagnostics, workflows, and healthcare decision-making.

Digital Transformation

Driving the modernization of healthcare systems through the integration of digital technologies, data analytics, and AI to improve efficiency, patient outcomes, and operational performance.

Healthcare Strategy & Operations

Designing and executing strategic initiatives to improve hospital performance, operational efficiency, and patient care outcomes.

Medical Innovation & Patents

Developing advanced medical technologies, including patented AI systems for diagnostic analysis and disease management.

Hospital Governance & Policy

Establishing clinical policies, regulatory frameworks, and quality standards to ensure compliance and excellence in healthcare delivery.

Nephrology & Transplantation

Providing specialized expertise in renal medicine, dialysis services, and kidney transplantation with a focus on patient-centered care.

Performance & Quality Improvement

Implementing data-driven performance indicators and quality improvement programs to enhance healthcare service delivery and outcomes.

Professional Experience

Director of Medical AI | Myriad USA

2023 – Present

- Leading the development of AI-driven medical and technological solutions to enhance diagnostic accuracy and clinical decision-making.
- Driving innovation in digital health systems and integrating advanced analytics into healthcare workflows.

General Manager | AuraLine Solution, Cyprus

2023 – Present

- Leading overall business operations and technology strategy within a healthcare-focused technology company.
- Driving digital solutions development and aligning innovation with market and client needs.

General Manager | InventionLand MENA, Turkey

2022 – Present

- Directing innovation strategies across medical and multidisciplinary sectors within the MENA region.
- Leading the development and commercialization of innovative solutions, including AI-driven healthcare technologies.

Director of Healthcare Services & Medical Development | Hafar Al-Batin, Saudi Arabia

2022 – 2023

- Directed healthcare development strategies and implemented service improvement programs across the region.
- Enhanced healthcare quality and operational performance through structured medical initiatives.

Head of Nephrology Departments | Hafar Al-Batin, Saudi Arabia

2016 – 2023

- Supervised nephrology departments across multiple hospitals, ensuring excellence in renal care and dialysis services.
- Led clinical teams and improved performance standards across nephrology units.

Medical Director | King Khaled Hospital, Saudi Arabia

2020 – 2022

- Directed hospital-wide medical operations, ensuring high standards of patient care, safety, and clinical governance.
- Implemented digital health solutions to improve operational efficiency and service delivery.

Deputy Medical Director | King Khaled Hospital, Saudi Arabia

2017 – 2020

- Supported executive leadership in clinical governance and hospital management.

Performance Indicators Lead | King Khaled Hospital, Saudi Arabia

2016 – 2020

- Developed and implemented performance measurement systems to enhance clinical and operational outcomes.

Associate Professor | Al-Azhar University, Gaza

2012 – Present

- Supervising Master's theses and contributing to the advancement and accreditation of medical scientific research.
- Delivering academic instruction and mentoring medical students and professionals.

Head of Nephrology & Head of Services | Al-Shifa University Hospital, Gaza

2012 – 2016

- Led nephrology services and supervised clinical operations across dialysis and renal care units.
- Managed multidisciplinary medical teams and ensured adherence to clinical standards and patient care protocols.

Director of Development of Medical Services | Ministry of Health, Gaza

2012 – 2016

- Directed healthcare development initiatives aimed at improving medical service delivery and system efficiency.
- Implemented strategic programs to enhance clinical performance and expand access to essential healthcare services.

Consultant in Nephrology & General Director | Podu Iloaiei Hospital, Iași County, Romania

2007 – 2012

- Provided specialized nephrology consultation and led hospital operations at both clinical and administrative levels.
- Oversaw healthcare delivery, staff management, and implementation of quality improvement initiatives.

Education

PhD in Medicine

Grigore T. Popa University of Medicine and Pharmacy, Romania – 2012

Management of Mental Health Integrated Services Certificate

National School for Public Health, Bucharest, Romania – 2010

Board Certification in Nephrology (Specialist) – 2006

Diploma in Public Administration & Health Management

World Health Organization – 2004

Doctor of Medicine (MD)

Grigore T. Popa University of Medicine and Pharmacy, Romania - 2001

Boards & Memberships

Boards

- European Board of Nephrology
- Romanian Board of Nephrology
- Palestinian Board of Nephrology

Professional Memberships

- European Renal Association (ERA)
- European Dialysis and Transplant Association (EDTA)
- Saudi Society of Nephrology and Transplantation
- Romanian College of Physicians

Research, Publications & Patents

Patents

- **Artificial Intelligence System for Diagnostic Analysis in Metabolic Diseases**
(Granted / Filed, 2022-2023)

Publications

- **Effects of Immune-Suppressive Medication on Cardiac Anatomy After Successful Kidney Transplantation**
Published in Romanian Journal of Functional and Clinical Anatomy
- **Arterial Stiffness and Endothelial Vasomotor Function**
Published in Romanian Journal of Functional and Clinical Anatomy

Additional research contributions and ongoing publications in nephrology and medical innovation.