

Study Questionnaire

Dear Participant,

Subject: Research Questionnaire Invitation

Greetings,

I am pleased to invite you to participate in this survey for a scientific study titled: "**Impact of Outcome-Based Education Achievement on Medical Graduates' Professional Performance: A Structural Equation Modeling Analysis under NARS Framework**" This research is being conducted as part of the requirements for obtaining a Master's degree in Healthcare Administration.

The study primarily aims to examine the extent to which medical education learning outcomes are achieved and their subsequent impact on enhancing graduates' professional performance in the healthcare labor market.

Given your expertise and commitment to advancing scientific research, we kindly request you to complete the attached questionnaire. The data collected will be pivotal to the success of this study. Therefore, we highly appreciate your accuracy and objectivity in responding to the items listed in the following sections.

Please be assured that participation in this survey is entirely voluntary. All collected data will be treated with strict confidentiality and used exclusively for academic research purposes.

Thank you outmost for your valuable time and cooperation.

Sincerely,

Investigator

Radfan Abdu Mised Al-Gumaiee

Part I: Demographic Characteristics

1. Gender:

- ☐ Male
- ☐ Female

2. Educational Qualification:

- ☐ Diploma
- ☐ Bachelor's Degree (MBChB / MBBS)
- ☐ Medical Board
- ☐ Master's Degree
- ☐ Ph.D. / Doctorate

3. Professional Experience in the Healthcare Sector:

- ☐ Less than 1 year
- ☐ 1 to 5 years
- ☐ 6 to 10 years
- ☐ More than 10 years

4. Professional Specialty:

- ☐ Physician / Medical Doctor
- ☐ Nurse
- ☐ Medical Technician
- ☐ Healthcare Administrator
- ☐ Other (Please specify): _____

5. Type of Hospital of Current Employment:

- ☐ Public / Government Hospital
- ☐ Private Hospital

Part II: Study Variable Dimensions

Please indicate your level of agreement with the following statements regarding the medical graduate's performance by checking the appropriate box using a 5-point Likert scale:

- **SD** = Strongly Disagree | **D** = Disagree | **N** = Neutral | **A** = Agree | **SA** = Strongly Agree

#	Dimension / Item	SD	D	N	A	SA
Knowledge and Understanding						
1	The graduate explains general and basic medical sciences related to the structure and functions of the human body across various developmental stages, focusing on normal and pathological conditions.					
2	The graduate possesses comprehensive knowledge of indications for surgical and non-surgical interventions, as well as the role of therapeutics in wound healing and disease resolution.					
3	The graduate demonstrates adequate knowledge and understanding of local and international guidelines, ethics, disease management, prevention strategies, and risk factors affecting community health.					
4	The graduate continuously updates their knowledge with the latest advancements and updates in the medical fields.					
5	The graduate possesses the sound foundational knowledge necessary for medical problem-solving.					
Intellectual Skills						
6	The graduate identifies appropriate and necessary medical investigations/tests for accurate patient diagnosis.					
7	The graduate effectively diagnoses pathological cases by analyzing and interpreting the results of medical investigations/tests.					
8	The graduate utilizes medical tools and equipment efficiently during clinical practices.					
9	The graduate strictly follows recommended clinical protocols during diagnosis and the formulation of patient treatment plans.					
10	The graduate interacts appropriately and manages complex medical cases effectively.					
Practical Skills						
11	The graduate handles medical instruments and apparatuses with high professionalism during clinical procedures.					
12	The graduate executes medical interventions and prescribes medications in accordance with					

#	Dimension / Item	SD	D	N	A	SA
	approved medical protocols and professional standards.					
13	The graduate continuously develops their practical and clinical skills through professional training.					
14	The graduate performs medical procedures with a high level of precision and accuracy.					
15	The graduate strictly adheres to occupational health and safety practices during work.					
General / Transferable Skills						
16	The graduate respects patient privacy and handles clinical information with utmost confidentiality.					
17	The graduate adheres to ethical principles in medical practice.					
18	The graduate interacts professionally with both colleagues and patients.					
19	The graduate demonstrates empathy and respect when communicating with patients.					
20	The graduate exhibits proper professional conduct and decorum at all times.					
Teamwork Ability						
21	The graduate collaborates effectively with members of the multidisciplinary medical team.					
22	The graduate communicates clearly and concisely with colleagues during work shifts.					
23	The graduate contributes constructively to collective group solutions for clinical dilemmas.					
24	The graduate proactively shares knowledge and clinical expertise with peers in the workplace.					
Patient Interaction						
25	The graduate listens actively and effectively to patients' feelings, concerns, and anxieties.					
26	The graduate explains treatment details to patients in a clear, accessible, and comprehensive manner.					
27	The graduate understands patients' diverse needs and works diligently to address them.					
28	The graduate provides consistent emotional support to patients throughout their treatment periods.					
29	The graduate ensures patient comprehension by verifying and confirming information during consultations.					
Continuous Professional Development (CPD)						
30	The graduate actively pursues the latest advancements, innovations, and breakthroughs in the medical field.					
31	The graduate regularly participates in training courses, seminars, and clinical workshops.					
32	The graduate continuously conducts self-assessment of their performance to identify areas for improvement.					

#	Dimension / Item	SD	D	N	A	SA
33	The graduate reads scientific research and peer-reviewed journals regularly to enhance their knowledge base.					
34	The graduate engages and networks with senior medical professionals to enrich their clinical expertise.					
Clinical Outcomes						
35	The graduate's clinical practices consistently achieve positive health outcomes for the patients under their care.					
36	The graduate significantly contributes to enhancing the overall quality of healthcare delivered to patients.					
37	Patients achieve satisfactory health outcomes and recovery due to the graduate's therapeutic and management approaches.					
38	Patient satisfaction rates significantly improve in light of the graduate's professional conduct and clinical competence.					
Performance Evaluation						
39	The graduate receives highly positive performance appraisals from the healthcare administration.					
40	The graduate consistently meets the predefined organizational objectives within their scope of work.					
41	The graduate demonstrates their clinical skills and capabilities effectively within the workplace environment.					
42	The graduate demonstrates strong dedication to improving job performance and contributing to patient care services.					
43	The graduate receives official recognition and appreciation for their contributions from both the healthcare administration and team members.					

Qualitative Section: Open-Ended Question

What recommendations or suggestions do you propose to enhance the intended learning outcomes (ILOs) of academic medical programs and improve the quality of graduates' professional performance?

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