

مقارنة ما يقدمه البرنامج من نتائج تعليمية مستهدفة مع المعايير المرجعية لبرنامج
الدكتوراة في الروماتيزم والتأهيل

أ - المعرفة والفهم:

المقررات التي تحقق المعايير الأكاديمية للبرامج	Intended Learning Outcomes ILOs مخرجات التعلم المستهدفة	(ARS) Benchmark المعايير الأكاديمية لجامعة Pennsylvania school of medicine; Rheumatology division	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الدكتوراة في الروماتيزم والتأهيل)
Rheumatology, Rehab and Physical Medicine Clinical immunology	A ^{١٧} A ^٣	To provide the best possible patient care, offering a wide variety of clinical services and programs of excellence for rheumatic diseases. To provide a wide spectrum of inpatient and outpatient clinical services that work to improve the quality of life and foster independence of patients living with all types of disabilities	١- Recent advances and areas under research in the field of rheumatology and rehabilitation
Rheumatology, Rehab and Physical Medicine Rheum & Immunology Advanced Clinical Immunology	A ^{١٩} A ^{١٦} B ^٢	To ensure the latest clinical, translational and basic science research to advance the treatment for all types of rheumatic diseases To conduct research in the field of physical medicine and rehabilitation that promotes independent living for patients with all types of disabilities.	٢- Scientific research ethics, research methodology & research design. Curriculum must advance knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care.
Rheumatology & Physical Medicine Sport injuries	A ^{١٨} A ^{١٣}	Reports important legal and health information for patients and families. Consider principles and laws regarding ethical issues and confidentiality surrounding patient care, within the framework established by this organization	٣- Legal and medicolegal aspects in practice of rheumatology and rehabilitation as well as medical ethics.
Rheumatology & Physical Medicine Physical Med & Rehab	A ^٦ , A ^٨ , A ^٩	Our team is committed to providing the best clinical care for patients, offering clinical specialties which are consistently ranked among the nations best. In addition, we have several of the region's "Top Docs" in rheumatology.	٤- Principles and basic concepts of quality in professional practice including planning, improvement of performance and control of practicing outcomes.
Applied Anatomy Applied Physiology PM & R	A ^١ , B ^١ B ^٩ , B ^{١٨}	Outlines the conditions required to maintain a safe working environment Traces the conditions required to keep up a protected workplace	٥- Knowledge related to environmental development, patient safety, safe occupational practice, serving communities and research results in improving public health outcomes.

ب - القدرات الذهنية :

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Rheumatology & Rehab Rheumatology & Immunology PM & R Geriatric Rehab Sport injuries	B٢١ B٢, B٣, B٤, B٥ B١٠ B١ B١	To make the ideal utilization of current best evidence in settling on choices about the care of patients To build up the capacity to develop evidence-based guidelines and protocols in connection to medicinal practice	٦- Medical data analysis, interpretation and proper therapy choice.
Rheumatology & Rehab Rheumatology & Immunology	B١٧, B٦	To make the ideal utilization of current best evidence in settling on choices about the care of patients To build up the capacity to develop evidence-based guidelines and protocols in connection to medicinal practice	٧- Medical problem solving and Evidence-based medicine.
Rheumatology & Rehab Advanced Clinical Immunology	B٢٠ B٢, B٥	Delivers the highest quality patient care, providing exceptional training to future rheumatologists and conduct innovative research.	٨- Participation in research development and innovation.
Rheumatology & Rehab Sport injuries	B١٨ B٦	Provides opportunity to participate in clinical trials for new therapies and other studies aiming to improve rheumatic disorders Describes the toxicities of systemic therapies and safe handling of antirheumatic drugs Describes the principles of protection of disabled patients, including statutory frameworks and local rules	٩- Risk assessment in medical practice.

Rheumatology, Rehab & Physical Medicine	B [^] , B ⁹	Offers fellowship training programs that provide a professionally fulfilling foundation and diverse clinical and research experiences in the field of rheumatology.	10- Planning for improvement of professional performance in the field of rheumatology and rehabilitation. Residents are expected to develop skills and habits to be able to meet the following goals: (1) identify strengths, deficiencies, and limits in one's knowledge and expertise; (2) set learning and improvement goals; (3) identify and perform appropriate learning activities; (4) systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement; (5) Incorporate formative evaluation feedback into daily practice; (6) locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems; (7) use information technology to optimize learning; and participate in the education of patients, families, students, residents and other health professionals.
Rheumatology & Immunology PM & R	B ⁴ , B ⁰ B ⁰		
Rheumatology & Rehab	B ¹⁶	To develop the ability to formulate, prioritize and communicate appropriately a diagnostic and therapeutic plan for a patient according to the clinical information available	11- Decision making skill.
Immunology Rheumatology & Immunology PM & R	B ² B ^v B ²³	Provides excellent patient care today and to perform the breakthrough research necessary to discover the treatments of tomorrow.	12- Development, innovation and medical breakthrough.
Rheumatology & Rehab PM & R Geriatric rehab	B ¹⁸ B ¹ B ⁴	Medical professionals are focused on continuously monitoring and improving the quality of care and safety for patients and loved ones while sharing best practices with regional and national health care providers.	13- Safety culture of medical practice.

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Rheumatology & Rehab	C ¹ , C ² , C ³	The Rheumatology team is nationally and internationally recognized for their clinical expertise in treating the full spectrum of rheumatic diseases including systemic autoimmune diseases, arthritis and a variety of conditions of the musculoskeletal system.	١٤- Professionalism and up to date practice, providing patient care that is compassionate, appropriate, & effective for the treatment of health problems and the promotion of health. In this context; Residents must demonstrate a commitment to carrying out professional responsibilities & an adherence to ethical principles. Residents are expected to demonstrate: (١) compassion, integrity, and respect for others; (٢) responsiveness to patient needs that supersedes self-interest; (٣) respect for patient privacy and autonomy; (٤) accountability to patients, society and the profession; and, (٥) sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.
Rheumatology & Rehab	C ^٩		١٥- Medical report writing and evaluation/appropriateness of patient medical report.
Rheumatology & Rehab	C ^٤ , C ^٥ , C ^٦	Medical professionals are recognized as leader in diagnostic techniques and the latest treatments for rheumatic diseases	١٦- Ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning.
Rheumatology & Rehab	C ^٩	In a future healthcare paradigm where every clinician practices precision medicine, all medical decisions, diagnoses, and treatment plans will be focused like a laser on the specific medical needs of each individual patient. This signifies nothing less than a revolutionary step in the practice of medicine, as up until now physicians would rely heavily on previously established group norms for treating each medical condition.	١٧- Effective use of IT and healthcare information system in medical practice and patient medical records to optimize learning; and participate in the education of patients, families, students, residents and other health professionals

Rheumatology & Rehab	C ¹ – C ⁸	<p>The expert physicians and highly skilled staff are known for their outstanding achievement in the field of rheumatology including delivering high-quality, comprehensive patient care, providing exceptional training to future rheumatologists, and pioneering new treatments through innovative research</p> <p>Emphasizes the recruitment and training of the next generation of academic physician leaders in the field of rehabilitation medicine.</p>	<p>١٨- Planning for improvement of professional performance in the field of rheumatology and rehabilitation. Residents are expected to develop skills and habits to be able to meet the following goals:</p> <p>(١) identify strengths, deficiencies, and limits in one's knowledge and expertise; (٢) set learning and improvement goals; (٣) identify and perform appropriate learning activities; (٤) systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement; (٥) incorporate formative evaluation feedback into daily practice; (٦) locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems; (٧) use information technology to optimize learning; and participate in the education of patients, families, students, residents and other health professionals</p>
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د- مهارات الاتصال:

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Rheumatology & Rehab	D ^٦ , D ^{١٠} , D ^{١١}	<p>Rheumatologists provide diagnosis, treatment and management for patients with a variety of rheumatic diseases using a multidisciplinary approach.</p> <p>Rehabilitation team communicates clearly, accurately, promptly and comprehensively in a timely manner</p>	١٩- Interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals
Rheumatology & Rehab	D ^٥ ,	Program for Mindfulness offers a variety of training courses for those who wish to pursue teaching mindfulness-based practices to others.	٢٠- Teaching and evaluation skills as senior staff.
Rheumatology & Rehab	D ^١ , D ^{١٣} , D ^{١٦}	To be able to take responsibility for personal learning and continuing professional development.	٢١- Self-appraisal and life-long learning.

Rheumatology & Rehab	D ³ , D ⁴		22- Accessibility to specialty-specific and other appropriate reference material in print or electronic format. Electronic medical literature databases with search capabilities .
Rheumatology & Rehab	D ⁵		23- Teamwork/leadership.
Rheumatology & Rehab	D ⁶		24- Time management and meeting organization