

NARS for Master degree chest medicine

أ - المعرفة والفهم:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا
Physiology related to chest medicine/CHEST503 Pharmacology related to chest medicine/CHEST506 Pathology related to chest medicine/CHEST505 Microbiology related to chest medicine/CHEST507 Anatomy related to medicine /CHEST501 Histology related to chest medicine/CHEST502 Infection control in diseases/ CHEST511IC	A1-A15,A28	Access available information to assist in the management of pulmonary inpatients Identify strengths, deficiencies and limits in one's knowledge and expertise	1) Theories, concepts and specialized knowledge of the learning area and also sciences appropriate to the professional practice.
Chest medicine respiratory critical care/ CHEST511	A21	Demonstrate cultural competence in the hospital setting	2) Mutual influence between professional practice and its impacts on the environment.
Interventional radiology chest medicine/ CHEST 511IR	A27	They should participate in all quality improvement initiatives	3) Scientific developments in the field of specialization
Advanced course Respiratory ICU/ CHEST511RICU	A25	Demonstrate awareness of the ethical, economic, and legal aspects of pulmonary illness.	4) Moral and legal ethics of the professional practice in the area of specialization.

Interventional radiology chest medicine/ CHEST 511IR Advanced course Respiratory ICU/ CHEST511RICU	A23,A24	All fellows are expected to: Gaining competency in the performance of procedures necessary for the practice of clinical pulmonary medicine.	5) The concepts and principles of quality of the professional practice in the area of specialization.
Thesis	A30	fellows are expected to: Awareness of study design, influence of chance, bias, and confounders.	6) The basics and ethics of scientific research.

ب - القدرات الذهنية :

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Pharmacology related to chest medicine/CHEST506 Chest medicine respiratory critical care/ CHEST511 Internal medicine/CHEST510 Interventional endoscopies in chest medicine/ CHEST511IE	B1,B2,B3,B10,B11,B15	They should formulate comprehensive diagnostic and therapeutic approaches to inpatients with respiratory disorders. Senior fellows must demonstrate the ability to reliably generate an extensive differential diagnosis, and generate a patient care plan. Senior fellows are also expected to supervise and teach (with attending supervision and assistance) procedures to the junior house staff	1) Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems.
Chest medicine respiratory critical care/ CHEST511 Advanced course Respiratory ICU/	B11-B15	Senior fellows are expected to anticipate and pro-actively address potential problems with regards to patient care	2) Solve specific problems on the basis of limited and contradictory information.

CHEST511RICU			
Chest medicine respiratory critical care/ CHEST511 Advanced course Respiratory ICU/ CHEST511RICU	B11-B15	Senior fellows are expected to anticipate and pro-actively address potential problems with regards to patient care	3) Demonstrate a high level of competence in the coordination of different sources of knowledge to solve professional problems..
thesis	B17	Senior fellows may elect to conduct a CQI or research project in the field of pulmonary inpatient medicine.	4) Carry out a research study and / or writing a scientific methodology study on research problem.
Infection control in diseases/ CHEST511IC	B14	Review adverse outcomes in a critical fashion in order to improve future practice patterns	5) Assess and analyze risks of the professional practice in the field of specialization.
Internal medicine/CHEST510 Interventional radiology chest medicine/ CHEST 511IR Advanced course Respiratory ICU/ CHEST511RICU Infection control in diseases/ CHEST511IC	B10-B14	All fellows are expected to: Gaining competency in the performance of procedures necessary for the practice of clinical pulmonary medicine.	6) Plan to improve performance in the field of specialization
Interventional endoscopies in chest medicine/ CHEST511IE Advanced course in a and immunologic diseases/ CHEST511AI	B15,B16	Fellows should demonstrate an understanding or a patient's perspective and share relevant information to patients, medical decision makers, and other key health care providers.	7) Make career decisions in different professional aspects

ج - المهارات العملية:

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Internal medicine/CHEST510 Chest medicine respiratory critical care/ CHEST511	C1-C3	They should formulate comprehensive diagnostic and therapeutic approaches to inpatients with respiratory disorders. Senior fellows must demonstrate the ability to reliably generate an extensive differential diagnosis, and generate a patient care plan. Senior fellows are also expected to supervise and teach (with attending supervision and assistance) procedures to the junior house staff	1) Apply modern and principle professional skills in the area of specialization.
Internal medicine/CHEST510 Chest medicine respiratory critical care/ CHEST511	C1-C3	recognition and differential diagnosis of common sleep symptoms, the effect of sleep on pulmonary diseases and treatments, the utility and interpretation of cardiopulmonary monitoring, critical review of polysomnographic reports, and management of sleep-disordered breathing	2) Write and evaluate technical reports.
Internal medicine/CHEST510	C1-C3	They should gain familiarity with the diagnostic and	3) Adopt assessment methods and tools existing

Chest medicine respiratory critical care/ CHEST511		therapeutic approaches to patients on the inpatient pulmonary service and implement national practice guidelines. They should also develop skills in radiographic interpretation	in the area of specialization
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د- مهارات الاتصال:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا
Chest medicine respiratory critical care/ CHEST511	D1-D7	Communicate appropriately and professionally with patients and families	1) Communicate effectively in different aspects.
Thesis	D8	Use information technology to optimize learning	2) Demonstrate efficient IT capabilities in such a way that serves in the development of the professional practice.
Thesis	D9	Senior fellows should demonstrate effective self directed learning to faculty members. Use direct communication with the teaching Attending physician, RT and RN staff to expand their knowledge base,	3) Adopt self-assessment and specify his needs of personal learning.
Thesis	D10	Demonstrate diligence and proficiency in the use of available written resources (printed, intranet, internet) to assist in the management their patients	4) Use different resources for information and knowledge.

Thesis	D11	fellows should incorporate formative feedback into daily practice and seek feedback from faculty members on performance	5) Establish rules and indicators for assessing the performance of others.
Thesis	D12	All Fellows are expected to: Work as an effective member of the Pulmonary Inpatient Consultative Medicine team in all interdisciplinary activities (rounds, primary care, consultations, and procedures) within his/her assigned patient care responsibilities Organize and work effectively as a member of a multidisciplinary team, coordinating the consult service with the nursing services and other hospital ancillary services (PT, OT, RT, Nutrition Service, etc) They should function as an effective team leader and coordinate team communication to optimize patient care	6) Collaborate effectively within multidisciplinary team and lead teams in different professional contexts.
Chest medicine respiratory critical care/ CHEST511	D3	To demonstrate effective communication skills through writing scholarly abstracts or articles or by presenting posters at professional meetings.	7) Demonstrate a high level of competence in the time management.

Interventional endoscopies in chest medicine/ CHEST511IE	D4	<p>Senior fellows should demonstrate effective self directed learning to faculty members.</p> <p>Use direct communication with the teaching Attending physician, RT and RNstaff to expand their knowledge base,</p>	8) Continuous self-education.
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