Academic standards (NARS) - course ILOs matrix (master degree, phoniatrics)

Program ILOs are enlisted in the first row of the table (by their code nimber: A1, A2,………), then the academic standards are enlisted in first column, and an x mark is inserted where the respective standard contributes to achievement of the program ILOs in question.

Standards from 1-5 cover knowledge & understanding ILOs.

Standards from 6-14 cover intellectual skills ILOs.

Standards from 15-19 cover professional/practical skills ILOs.

Academic standards	Program ILOs																																																			
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21
1–Principles and basic concepts in the field of Phoniatrics.	x	x	x	x	x																					x																									
2– Systems-based Practice Candidates must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care. Residents are expected to: (1) work effectively in various health care delivery settings & systems relevant to their clinical specialty; (2) coordinate patient care within the health care system relevant to their clinical specialty; (3) incorporate considerations									x	x	x	x	x	x			x	x	x	x	x	x	x	x	x		x	x	x	x																					

of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate; (4) advocate for quality patient care and optimal patient care systems; (5) work in inter-professional teams to enhance patient safety and improve patient care quality; and, (6) participate in identifying system errors and implementing potential systems solutions.																																				
3-Recent advances in the field of phoniatrics.			x	x	x	x																														
4-Legal and medico legal aspects in practice of phoniatric disorders as well as medical ethics.									x																											
5- Principles and basic concepts of quality in professional practice including planning, improvement of performance and control of practicing outcomes.							x																													
6-Ethics in research									x																											
7- Data interpretation and proper diagnosis of language, speech, voice and swallowing disorders. In this domain residents must demonstrate knowledge of established and evolving biomedical, clinical,																				x	x	x		x											

epidemiological and social behavioral sciences, as well as the application of this knowledge to patient care.																																	
8- Medical problem solving.																			x														
9- Evidence-based medicine.																					x	x	x	x	x				x	x	x	x	x
10-Principles of conducting scientific research, writing research design and formulation of research hypothesis.																										x							
11- Risk assessment in medical practice.																			x															
12- Planning for improvement of professional performance in the field of phoniatrics 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																					x					x	x	x	x				

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																																	
13- Decision making skills																				X													
14- Professionalism and up to date practice. Residents provide patient care that is compassionate, appropriate, and 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 and an adherence to ethical principles. Residents are expected to demonstrate: (1) compassion, integrity, and respect for others; (2) responsiveness to patient needs that supersedes self-interest; (3) respect for patient privacy and autonomy; (4) accountability to patients, society and the profession;																																	

and,(5) sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.																																	
15- Medical report writing and evaluation/appropriateness of patient medical report.																																	
16- 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.																																	
17- Interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals																																	
18- 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 &other health professionals																																	

19- Self-appraisal and needs assessment.																																				
20- Accessibility to specialty-specific and other appropriate reference material in print or electronic format. Electronic medical literature databases with search capabilities.																																				
21- Incorporate formative evaluation feedback into daily practice.																																				
22-Team work/leadership.																																				
23- Time management.																																				
24- Self-learning ability and continuous medical education programme participation.																																				

Academic standards	Programme ILOs																							
	c1	c2	c3	c4	c5	c6	c7	c8	c9	c10	c11	c12	c13	c14	c15	c16	c17	d1	d2b3	d3	d4	d5	d6	d7
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15- Medical report writing and evaluation/appropriateness of patient medical report.			X	X																				X
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17- Interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals																X	X	X	X				X
18- 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 &other health professionals																X						X	X
19- Self-appraisal and needs assessment.																			X				
20- Accessibility to specialty-specific and other appropriate reference material in print or electronic format. Electronic medical literature databases with search capabilities.																	X	X		X			
21- Incorporate formative evaluation feedback into daily practice.																	X	X	X	X			
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