AS	Student Learning Outcomes &																					
НА	Benchmarks	Clinic	401	451	509	510	511	520	521	522	523	524	526	530	531	532	533	540	541	542	536	538
IV-A	Standard IV-A. Foundations of Practic																					
A1	Embryology and development of the auditory and vestibular systems, anatomy and physioloty, neuroanatomy and neurophysiology, and pathophysiology				х					x		x										х
A2	Genetics and associated syndromes related to hearing and balance											X										
	Normal aspects of auditory physiology and behavior over the life span				х	х											Х				X	
A4	Normal development of speech and language										х					Х						
<b>A</b> 5	Language and speech characteristics and their development across the life span															X						
A6	Phonologic, morphologic, syntactic, and pragmatic aspects of human communication associated with hearing impairment															X						
А7	Effects of hearing loss on communication and educational, vocational, social and psychological functioning															Х	x				х	
A8	Effects of pharmacologic and teratogenic agents on the auditory and vestibular systems											X							X			

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НА	Benchmarks	Clinic	401	451	509	510	511	520	521	522	523	524	526	530	531	532	533	540	541	542	536	538
А9	Patient characteristics and how they relate to clinical services							Х			х											Х
	Pathologies related to hearing and balance and their medical diagnosis and treatement								х			Х										Α
A11	Principles, methods, and applications of psychometrics																					
1 4 1 7	Principles, methods, and applications of psychoacoustics					Х								Х								
I A 1 3	Instrumentation and bioelectrical hazards						Х							Х	Х				X			
	Physical characteristics and measurement of electric and other nonacoustic stimuli					X	х			х				X	х							
A15	Assistive technology														Χ	Χ						
	Effects of cultural diversity and family systems on professional practice																	х				
A17	American Sign Language and other visual communication systems															Х						
A18	Principles and practices of research, including experimental design, statistical ethics, and application to clinical applications																					
A19	Legal and ethical practices							Χ								Χ		Х	Χ	Χ		
I A20	Health care and educational delivery systems								Х							Т						
Ι Δ 7 1	Universal precautions and infectious/contagious diseases							Х												Х		

AS	Student Learning Outcomes &																					
НА		Clinic										524	<b>526</b>	530	531	532	533	540	541	542	536	538
IV-A	Standard IV-A. Foundations of Practic	<mark>e. The</mark>	applic	<mark>cant n</mark>	<mark>nust h</mark>	ave k	<mark>nowle</mark>	edge a	nd sk	<mark>ills in</mark>	:											
A22	Oral and written forms of communication	х																				
Δ23	Principles, methods, and applications of acoustics as applicable to: occupational and industrial env,, community noise, classroom and other educational env., workplace env.															X			x			
A24	The use of instumentation according to manufacturer's specifications and recommendations	x					X							x	X				x		X	
A25	Determining whether instrumentation is in calibration according to accepted standards	Х					X							Х	X				Х			
<b>A</b> 26	Principles and applications of counseling	х		Х							Х						X					
A27	Use of interpreters and translators for both spoken and visual communication														Х	Х		Х				
A28	Management and business practices, including but not limted to cost analysis, budgeting, coding and reimbursement, and patient management																			X		
A29	Consultation with professionals in related and/or allied service areas							X			X							x			X	

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B1	Implement activities that prevent and identify dysfunction in hearing and communication, balance, and other auditory-related systems								Х		Х						X		Х			
В2	Promote hearing wellness, as well as the prevention of hearing loss and protection of hearing function by designing, implementing, and coordinating universal newborn hearing screening, school screening, community hearing, and occupational conservation and identification programs										х					X			X			
В3	Screen individuals for hearing impairment and disability/handicap using clinically appropriate, culturally sensitive, and age- and sitespecific screening measures	х									х						Х		х			
В4	Screen individuals for speech and language impairments and other factors affecting communication function using clinically appropriate, culturally sensitive, and age- and sitespecific screening measures	x									Х											
В5	Educate individuals on potential causes and effects of vestibular loss	х																				х

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НА	Benchmarks	Clinic	401	451	509	510	511	520	521	522	523	524	526	530	531	532	533	540	541	542	536	538
B6	Identify individuals at risk for balance problems and falls who require further vestibular assessment and/or treatment or referral for other professional services	х																				х
IV-C	Standard IV-C. Assessment. The appli	icant n	nust h	ave th	e kno	wled	ge of:															
	Measuring and interpreting sensory and motor evoked potentials, electromyography, and other electrodiagnostic tests for purposes of neurophysiologic intraoperative monitoring and cranial nerve assessment	х					Х		х	Х												
IV-C	Standard IV-C. Assessment. The appli	icant n	nust h	ave kr	nowle	dge a	nd sk	ills in:														
C2	Assessing individuals with suspected disorders of hearing, communication, balance, and related systems	х																				
СЗ	Evaluating information from appropriate sources and obtaining a case history to facilitate assessment planning	х																				

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НА	Benchmarks	Clinic	401	451	509	510	511	520	521	522	523	524	526	530	531	532	533	540	541	542	536	538
<b>C4</b>	Performing otoscopy for appropriate audiological assessment/management decisions, determining the need for cerumen removal, and providing a basis for medical referral	x																				
	Conducting and interpreting behavioral and/or electrophysiologic methods to assess hearing thresholds and auditory neural function	Х																				
C6	Conducting and interpreting behavioral and/or electrophysiologic methods to assess balance and related systems	х																				
С7	Conducting and interpreting otoacoustic emissions and acoustic immitance (reflexes)	х																				
С8	Evaluating auditory-related processing disorders	Х											Х									
С9	Evaluating functional use of hearing	Х																				
C10	Preparing a report, including interpreting data, summarizing findings, generating recommendations, and developing an audiologic treatment/management plan	х																				

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HA	Benchmarks	Clinic	401	451	509	510	511	520	521	522	523	524	526	530	531	532	533	540	541	542	536	538
C11	Referring to other professions, agencies, and/or consumer organizations	Х																				
IV-D	Standard IV-D. Intervention (Treatme	nt). Th	e app	licant	must	have	know	ledge	and	skills i	in:											
D-1	The provision of intervention services (treatment) to individuals with hearing loss, balance disorders, and other auditory dysfunction that compromises receptive and expressive communication	х											Х				х				х	
	Development of a culturally appropriate, audiologic rehabilitative management plan that includes, when appropriate, the following:																					
а	Evaluation, selection, verification, validation, and dispensing of hearing aids, sensory aids, hearing assistive devices, alerting systems, and captioning devices, and educating the consumer and family/caregivers in the use of and adjustment to such technology	Х													х						Х	

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НА	Benchmarks	Clinic	401	451	509	510	511	520	521	522	523	524	526	530	531	532	533	540	541	542	536	538
b	Determination of candidacy of persons with hearing loss for cochlear implants and other implantable sensory devices and provision of fitting, mapping, and audiologic rehabilitation to optimize device use																				х	
	Counseling relating to psychosocial aspects of hearing loss and other auditory dysfunction, and processes to enhance communication competence	х															Х					
d	Provision of comprehensive audiologic treatment for persons with hearing loss or other auditory dysfunction, including but not exclusive to communication strategies, auditory training, speech reading, and visual communication systems	×															X					
D-3	Determination of candidacy for vestibular and balance rehabilitation therapy to persons with vestibular and balance impairments	х																				х
D-4	Treatment and audiologic management of tinnitus	х													Х		Х					

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D-5	Provision of treatment services for infants and children with hearing loss; collaboration/consultation with early interventionists, school based professionals, and other service providers regarding development of intervention plans (i.e., individualized education programs and/or individualized family service plans)	X														X					X	
D-6	Management of the selection, purchase, installation, and evaluation of large-area amplification systems															x	x					
	Evaluation of the efficacy of intervention (treatment) services	х													х							
IV-E	Standard IV-E. Advocacy/Consultation	n. The a	applic	ant m	ust ha	ive kr	owle	dge a	nd ski	lls in:												
E-1	Educating and advocating for communication needs of all individuals that may include advocating for the programmatic needs, rights, and funding of services for those with hearing loss, other auditory dysfunction, or vestibular disorders															X		Х				
E-2	Consulting about accessibility for persons with hearing loss and other auditory dysfunction in public and private buildings, programs, and services																Х	х				

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	Identifying underserved populations and promoting access to care										х											
	Standard IV-F. Education/Research/A	dminis	tratio	n. The	e appi	icant	must	have	know	ledge	and	<mark>SKIIIS</mark>	ın:		Γ							
F1	Measuring functional outcomes, consumer satisfaction, efficacy, effectiveness, and efficiency of practices and programs to maintain and improve the quality of audiologic services															X		x		x		
F2	Applying research findings in the provision of patient care (evidence-based practice)																					
F3	Critically evaluating and appropriately implementing new techniques and technologies supported by research-based evidence		X												X							
	Administering clinical programs and providing supervision of professionals as well as support personnel																	х				
F5	Identifying internal programmatic needs and developing new programs																					
F6	Maintaining or establishing links with external programs, including but not limited to education programs, government programs, and philanthropic agencies																	X				

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НА	Benchmarks	Clinic	401	451	509	510	511	520	521	522	523	524	<b>526</b>	530	531	532	533	540	541	542	536	538
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