

31373- Paediatric Audiology

Status	Optional (A)
No of Hours	45 hours
No of Credits	3
Learning Outcomes	<ul style="list-style-type: none"> • Describe development of auditory structures and auditory behavior • Describe the need for early identification • Outline techniques of screening and diagnosing hearing impairment in paediatric population • Design screening protocols for identifying hearing impairment paediatric population • Outline speech audiometry techniques in paediatric population
Methods of Teaching and Learning	Lectures, case studies, problem-based learning, lab-based learning
Module content	<p>Unit 1: Development</p> <ul style="list-style-type: none"> • Development of the human auditory system • Development of auditory behavior <ul style="list-style-type: none"> -Prenatal hearing -Newborn hearing -Auditory development from 0-6 years <p>Unit 2: Early Identification</p> <ul style="list-style-type: none"> • Importance of early identification of hearing loss • Universal Newborn Hearing Screening (JCIH guidelines for EHDI) • High Risk registers • AAA childhood hearing screening guidelines <p>Unit 3: Hearing screening in neonates, infants and children</p> <ul style="list-style-type: none"> • Principles of screening • Behavioral methods • Objective methods (Immittance, OAE, ABR) <p>Unit 4: Hearing testing in neonates, infants and children</p> <ul style="list-style-type: none"> • Behavioral methods (BOA, VRA, TROCA, VROCA, CPA, pure-tone audiometry) • Physiological methods (Immittance, OAE, ABR, ASSR) • Modifications required while testing children with special needs <p>Unit 5: Speech audiometry in children</p>

	<ul style="list-style-type: none">• Modification required while carrying out speech audiometry in children• Speech detection threshold• Speech recognition threshold• Speech recognition scores – PBK, WIPI, NU CHIP, ESPT, Ling’s six sound test, Auditory number test• BC speech audiometry
Assessment	MCQ 50% (1 hr), SEQ 50% (2 hrs)