

32473- Implantable Devices

Status	Optional (A)
No of Hours	45 hours
No of Credits	3
Learning Outcomes	<ul style="list-style-type: none"> • Describe the different types of implantable devices. • Demonstrate the selection, care and maintenance of implantable devices.
Methods of Teaching and Learning	Lectures Non-assessed practical of mapping, trouble shooting, and surgery observation
Module content	<p>Unit 1: Bone conduction devices</p> <ul style="list-style-type: none"> • History and overview of basic components • Candidacy • Types • Benefit <p>Unit 2: Middle ear implants</p> <ul style="list-style-type: none"> • History and overview of basic components used in implantable devices • VSB & BB • Candidacy • Types • Benefit • EAS • Candidacy • Types • Benefit <p>Unit 3: Cochlear implants</p> <ul style="list-style-type: none"> • History, terminology and overview of basic components • Team members and their roles • Candidacy, contraindication, risks/complications • Pre-operative evaluations • Imaging and vaccinations • Surgical procedure • Types of Electrodes and its need • Intraoperative measures • Speech coding strategies • Mapping • Benefits • Counseling and orienting the user • Trouble shooting <p>Unit 4: Brain stem implants and auditory midbrain implants</p>

	<ul style="list-style-type: none">• History, terminology and overview of basic components• Types of Electrodes• Candidacy• Benefit <p>Unit 5: Wireless connectivity with implantable devices</p> <ul style="list-style-type: none">• Types• Benefits
Assessment	SEQ 100% (3 hours)