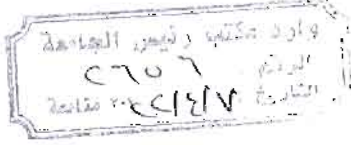




السيد الأستاذ الدكتور/ أشرف محمد عبد الباسط
رئيس جامعة المنصورة



تحية طيبة وبعد ،،

أتشرف بأن أرسل لسيادتكم رفق هذا صورة من القرار الوزاري رقم (1108) بتاريخ 2022/3/28 بشأن تعديل اللائحة الداخلية (مرحلة الدراسات العليا) بنظام الساعات المعتمدة بكلية الطب البشري بالجامعة.

رجاء التفضل بالنظر والتكرم بالتهيئة بما تزونه سيادتكم مناسبا في هذا الشأن .

وتفضلوا بقبول فائق الاحترام والتحية،،

أمين المجلس الأعلى للجامعات

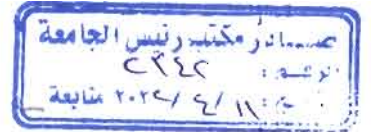
(أ.د/ محمد مصطفى لطيف)

شور

صورة مبلغة إلي

أ.د/ عميد كلية الطب بالجامعة

٢٠٢٢/٣/٢٨



السيد د. أشرف حانظا نائب رئيس الجامعة للدراسات العليا
السيد د. أشرف مروة عميد كلية الطب
رئاسة كلية الجامعة

٢٠٢٢/٣/٢٨

صورة مكتبية (التاسيم)



جمهورية مصر العربية

وزارة التعليم العالي

الوزير

قرار وزاري
رقم (١١٠٨) بتاريخ ١٤٨/٣/٢٠٢٢
بشأن تعديل اللائحة الداخلية لكلية الطب جامعة المنصورة
(مرحلة الدراسات العليا) بنظام الساعات المعتمدة

وزير التعليم العالي والبحث العلمي ورئيس المجلس الأعلى للجامعات

* بعد الاطلاع على القانون رقم ٤٩ لسنة ١٩٧٢ في شأن تنظيم الجامعات والقوانين المعدلة له.
* وعلى قرار رئيس الجمهورية رقم ٨٠٩ لسنة ١٩٧٥ بإصدار اللائحة التنفيذية لقانون تنظيم الجامعات والقرارات المعدلة له.

* وعلى القرار الوزاري (٧٣٥) بتاريخ ٢٠٢٢/٣/٢ بشأن إصدار اللائحة الداخلية لكلية الطب جامعة المنصورة (مرحلة الدراسات العليا) بنظام الساعات المعتمدة.

* وعلى موافقة مجلس جامعة المنصورة بجلسته بتاريخ ٢٠٢١/٨/٢

* وعلى موافقة لجنة قطاع الدراسات الطبية بجلستها بتاريخ ٢٠٢٢/٢/٢٢ بالتفويض

* وعلى موافقة المجلس الأعلى للجامعات بجلسته بتاريخ ٢٠٢٢/٣/١٩

قرر

(المادة الأولى)

يضاف بند جديدة تحت رقم (٨) للمادة (٢ مكرر) باللائحة الداخلية لكلية الطب جامعة المنصورة مرحلة الدراسات العليا (بنظام الساعات المعتمدة) الصادرة بالقرار الوزاري رقم (٧٣٥) بتاريخ ٢٠٢٢/٣/٢ على النحو التالي:

مادة (٣ مكرر) الدبلومات المهنية

تنح جامعة المنصورة بناء على طلب كلية الطب البشري الدبلومات المهنية الآتية:-

١-

٢-

٨- جراحة زراعة القوقعة

(المادة الثانية)

يلحق باللائحة الداخلية المشار إليها بعالية الخطة الدراسية والإمتحانية المرفقة والخاصة بالدبلوم المهنية في جراحة زراعة القوقعة بقسم الأذن والأنف والحنجرة.

(المادة الثالثة)

على جميع الجهات المختصة تنفيذ هذا القرار.

وزير التعليم العالي والبحث العلمي
ورئيس المجلس الأعلى للجامعات

فان
(أ.د/ خالد عبد الغفار)



سرم

**Professional Diploma In
Cochlear Implantation Surgery
(CI SURG)
Faculty of Medicine - Mansoura University**

2021



Professional Diploma In Cochlear Implantation Surgery (CI SURG) Faculty of Medicine- Mansoura University

Cochlear implant surgery is a complex surgical procedure. An ENT surgeon must obtain specific education and develop certain skills to perform cochlear implantation in an efficient effective manner thus promoting CI surgical standards. The proposed Professional Diploma will be designed to help an ENT surgeon to gain expert knowledge, skills, and experience in the area of cochlear implants. It will aim at adding in-depth knowledge, training and experience in cochlear implant surgery such as hearing preservation, surgery in ossified cochlea or surgery in inner ear malformation. Additionally, non-surgical but closely related topics to cochlear implantation will be introduced as Candidacy and Rehabilitation.

Why should an ENT surgeon obtain?

- Gaining professional experience in the field of CI surgery
- Gaining expertise in CI surgery from CI surgeons who are experienced in this field
- Achieving better CI surgery outcomes
- Fostering evidence-based knowledge in CI surgery

Administrative Information

Eligibility for applying to the Professional Diploma In Cochlear Implantation Surgery:

The diploma applicant needs to fulfill the following criteria:

- I. Master degree of otorhinolaryngology or equivalent (diploma, Board of Otorhinolaryngology, etc).
- II. attend at least one temporal bone dissection course.
- III. The candidate should submit a written letter from an approved CI center to accept him as a trainee and or observer.

Professional Information

Program	Postgraduate Professional Diploma program of cochlear implant surgery & rehabilitation
Department offering the program	Otorhinolaryngology Department Faculty of Medicine, Mansoura University
Department responsible for teaching the course and examination	Otorhinolaryngology Department, Phoniatics Unit and Audiology Unit., Faculty of medicine, Mansoura University in collaboration with Egyptian Society of Cochlear Implantation.
Date of approval by the Department`s council	10/8/2020
Date of last approval of specification by Faculty council	18/1//2021
Date of last approval of specification by university council	2/8/2021
Course title	Basic science course for cochlear implant surgery and rehabilitation.
Course code	CI SURG
Total teaching hours	180 hours
Total Credit hours	40 hours.
Chairmen of the Course :	<ul style="list-style-type: none"> ▪ <u>Prof. Mohammed Rashad Ghoneim</u> President of CI group Mansoura Faculty of Medicine. ▪ <u>Prof. Fatthi Abdelbaki</u> President of Egyptian Society of Cochlear Implantation ▪ <u>Prof. Youssef Kamel Shabana</u> Vice President of CI group Mansoura Faculty of Medicine
Program coordinator:	<ul style="list-style-type: none"> ▪ <u>Dr. Mohammed Abdelbadie.</u>

Program director:	<u>Prof. Mohammed Rashad Ghoneim</u>
Course Content:	The course is comprised of 3 modules : <u>Module 1:</u> Basic Cochlear Implant Surgery. <u>Module 2:</u> Advanced Cochlear implant surgery <u>Module 3:</u> <ul style="list-style-type: none"> - Audiology for Cochlear Implant Surgeon - Phoniatics for Cochlear Implant Surgeon

(1) Aims of the Professional Diploma in CI

Cochlear implantation is a national program that is carried out by the Egyptian Ministry of Health and Population through Health Insurance Authority, but yet there is no accredited training program to provide otorhinolaryngologists with the **required scientific basis and surgical skills** in cochlear implant surgery. The main aim of the diploma is to lay out clinical and educational training program provide students with the **required scientific basis and surgical skills in cochlear implant surgery.**

(2) Intended Learning Outcomes (ILOs):

On successful completion of the course, the candidate will be able to:

Aim 1: Cochlear implant surgery

Aim 2: Anatomy of the ear, particularly the inner ear.

Aim 3: Physiology of hearing including cochlea functions, place theory, etc.

Aim 4: Candidacy selection from surgery, audiology as well as phoniatics point of view, taking into consideration other importantly related general medical conditions and health status for the candidate to be selected.

Aim 5: Important audiological tests related to cochlear implantation during the pre-operative stage as well as during mapping and programming process.

Aim 6: Speech sounds perception and production; Suprasegmental aspects of speech & Typical language development.

Aim 7: Rehabilitation and follow-up.

Aim 8: Academic challenges commonly faced by CI students.

Aim 9: Importance of team work; on both clinical as well as research levels.

A- Knowledge and Understanding:

A1 The diploma postgraduate candidate will recognize surgical steps crucial to CI:

- A1.1 Posterior Tympanotomy
- A1.2 Dissection of important adjacent structures; facial nerve, carotid artery and jugular bulb.
- A1.3 Cochleostomy Different Types.
- A1.4 Insertion of Electrode; trajectory of scala tympani and Insertion speed and force analysis.
- A1.5 Hearing preservation.
- A1.6 Difficult situations: ossified Cochlea; Inner ear malformations, meningitis and auditory neuropathy
- A1.7 Fixation of internal cochlear stimulator.
- A 1.8 Subtotal petrosectomy for CI

- A2.** Describe important criteria related to cochlear implantation candidacy selection.
- A3.** Recall the physiology of normal hearing and describe the importance of listening in background noise, auditory closure and bilateral hearing, etc. and their relation to cochlear implants.
- A4.** Recall the physiology of speech sounds (consonants and vowels) perception; the normal stages of typical language development in peers devoid of any hearing difficulty and outline different suprasegmental aspects of speech rate, speech and intonation (melody).
- A5.** List the steps and stages needed for efficient audiological follow-up including mapping visits and programming procedures.
- A6.** Recognize the important role of phoniatic rehabilitation in CI success.
- A7.** Recognize the importance of safety measures and postoperative follow-up related to cochlear implants use.
- A8.** Recognize and understand academic challenges faced by CI students and ways to help them overcome the learning obstacles they might face.
- A9.** Identify important information related to CI in otitis media and auditory neuropathy
- A 10.** Understand the differences between cochlear implants, brain implants, as well as other ear implants
- A 11.** Identify important information related to CI in otitis media and auditory neuropathy
- A.12** Understand the differences between cochlear implants, brain implants, as well as other ear implants.

B- Intellectual skills:

- B1.** Integrate the knowledge of normal physiology of hearing and hearing using a cochlear implant.
- B2.** Estimate level of progress and degree of success of the rehabilitation process.
- B3.** Complete and present problem solving skills for progress plateauing and/or insufficient benefit from the cochlear implant as expected.
- B4.** Differentiate between different auditory skills and use this knowledge to formulate and design an adequate rehabilitation plan graded in difficulty; a step-wise manner.

C- Practical Skills:

By the end of this diploma, the candidate will be able to:

- C1.** Choose appropriate candidates for CI implantation.
- C2.** Order list of pre-operative investigations required for patients to be selected.
- C3.** Perform CI surgery
- C4.** Write a medical report or referral letter when required.
- C5.** Choose appropriate procedures that can limit the possibilities for any postoperative complication.
- C6.** List important steps needs for regular follow-up postoperatively
- C7.** Deal with the most common postoperative complications that might follow CI surgery.

D- Communication & Transferrable Skills:

- D1.** Define and illustrate efficient communication, consultation and counselling skills.
- D2.** Value partnership between doctor and patient.
- D3.** Discuss the role of interdisciplinary teamwork and how to work collaboratively and efficiently with other team members involved in the cochlear implantation process.
- D4.** Value self-audit and positive criticism.
- D5.** Explain how information technology can be used as a tool for audit & quality control.
- D6.** Define his own strengths, weakness and learning needs and be prepared to continuous medical education and lifelong learning.
- D7.** Tell how to manage time and workload effectively.
- D8.** Explain how future research can help in improving CI surgery
- D9.** Understand how to manage difficult challenging cases as a part of CI interdisciplinary team.

Course Content:

The course is comprised of **3 modules**:

Module 1: Basic Cochlear Implant Surgery. (**CISURG 426-ENT**)

Module 2: Advanced Cochlear implant surgery (**CISURG 426-ENT**)

Module 3:

- Audiology for Cochlear Implant Surgery (**CISURG 426-AUD**)
- Phoniatrics for Cochlear Implant Surgery (**CISURG 426-PHON**)

Module 1: Basic Cochlear Implant Surgery

This module discusses the fundamentals related to basic cochlear implant surgical procedures. This module consists of a series of online and /or in person lectures that covers the following topics:

Basic cochlear implant Surgery

- History and basic principles.
- CI candidacy selection from surgery perspective
- Micro-anatomy cochlea
- Imaging: CT; MRI and CBCT
- Basic surgical anatomy: Incision, periosteal pocket techniques; Mastoidectomy; facial recess; Adaptive cochleostomy & electrode insertion.
- Internal Parts of CI
- Hearing Preservation Surgery

Intended Learning Outcomes of Module 1:

Knowledge and Understanding:

A1 The diploma postgraduate candidate will recognize surgical steps crucial to CI:

A1.1 Posterior Tympanotomy

A1.2 Dissection of important adjacent structures; facial nerve, carotid artery and jugular bulb.

A1.3 Cochleostomy Different Types.

A1.4 Insertion of Electrode; trajectory of scala tympani and Insertion speed and force analysis.

A1.5 Hearing preservation.

A1.6 Fixation of internal cochlear stimulator

A1.7 wound closure.

A.2 Describe important criteria related to cochlear implantation candidacy selection.

Practical Skills: By the end of this module, the candidate will be able to:

- C1. Choose appropriate candidates for CI implantation
- C2. Order list of pre-operative investigations required for patients to be selected
- C3. Perform CI surgery and follow-up postoperatively the surgery
- C4. Write a medical report or referral letter when required

Communication & Transferrable Skills:

- D2. **Create** partnership between doctor and patient
- D3. Discuss the role of interdisciplinary teamwork and how to work collaboratively and efficiently with other team members involved in the cochlear implantation process
- D4. **Judge** self-audit and positive criticism
- D5. Explain how information technology can be used as a tool for audit & quality control
- D6. Define his own strengths, weakness and learning needs and be prepared to continuous medical education and lifelong learning
- D7. Tell how to manage time and workload effectively.

Module 2: Advanced Cochlear Implant Surgery

This module discusses the fundamentals related to Advanced cochlear implant surgical procedures. This module consists of a series of online and /or in person lectures that covers the following topics:

- Subtotal Petrossectomy for CI.
- Difficult cases: CI in Meningitis.
- Difficult cases: CI in Inner Ear Malformations.
- Special Cases: CI in Otitis Media.
- Special cases: CI in Auditory Neuropathy.
- Postoperative Complications
- Brain Stem and other Ear Implants
- Future of CI

A- Knowledge and Understanding:

A1 The diploma postgraduate candidate will recognize surgical steps crucial to CI:

- A1.6 Difficult situations: ossified Cochlea; Inner ear malformations, meningitis and auditory neuropathy
- A 1.8 Subtotal petrossectomy for CI

A7. Recognize the importance of safety measures and postoperative follow-up related to cochlear implants use.

A9. Identify important information related to CI in otitis media and auditory neuropathy

- A 10. Understand the differences between cochlear implants, brain implants, as well as other ear implants
- A 11. Identify important information related to CI in otitis media and auditory neuropathy
- A.12 Understand the differences between cochlear implants, brain implants, as well as other ear implants

C- Practical Skills:

By the end of this diploma, the candidate will be able to:

- C5. Choose appropriate procedures that can limit the possibilities for any postoperative complication.
- C6. List important steps needs for regular follow-up postoperatively
- C7. Deal with the most common postoperative complications that might follow CI surgery

D- Communication & Transferrable Skills:

- D8. Explain how future research can help in improving CI surgery
- D9. Understand how to manage difficult challenging cases as a part of CI interdisciplinary team.

Module 3: Audiology and Phoniatic rehabilitation in CI

A). Audiology for Cochlear Implant Surgeon

This module involves an introduction to audiological cochlear implant-related issues; programming principles/speech coding, device operation, and some troubleshooting techniques. This module consists of a series of online and/or in person lectures that covers the following topics:

- Physiology of hearing & auditory pathway.
- Central auditory processing skills.
- CI candidacy selection from audiology perspective
- Cochlear implant audiology.
- Sensorineural hearing loss, auditory neuropathy; Deficient cochlear nerve.
- EchoG monitoring.

Intended Learning Outcomes:

Knowledge and Understanding

- A.2 Describe important criteria related to cochlear implantation candidacy selection

A3. Recall the physiology of normal hearing and describe the importance of listening in background noise, auditory closure and bilateral hearing, etc. and their relation to cochlear implants

A5. List the steps and stages needed for efficient audiological follow-up including mapping visits and programming procedures

Intellectual skills:

B1. Integrate the knowledge of normal physiology of hearing and hearing using a cochlear implant

B3. Complete and present problem solving skills for progress plateauing and/or insufficient benefit from the cochlear implant as expected

B4. Differentiate between different auditory skills and use this knowledge to formulate and design an adequate rehabilitation plan graded in difficulty; a step-wise manner

Practical Skills:

By the end of this diploma, the candidate will be able to:

C1. Choose appropriate candidates for CI implantation

C4. Write a medical report or referral letter when required

Communication & Transferrable Skills:

D2. Value partnership between doctor and patient

D3. Discuss the role of interdisciplinary teamwork and how to work collaboratively and efficiently with other team members involved in the cochlear implantation process

D4. Value self-audit and positive criticism

D5. Explain how information technology can be used as a tool for audit & quality control

D6. Define his own strengths, weakness and learning needs and be prepared to continuous medical education and lifelong learning

D7. Tell how to manage time and workload effectively

B). Phoniatrics Rehabilitation for Cochlear Implant Surgeon:

This module involves an introduction to phoniatriac role in CI & its re/habilitation. This module consists of a series of online and / or in person lectures that covers the following topics:

- Typical pattern of language development & CI candidacy selection from phoniatrics perspective.
- Communication evaluation & CI phoniatriac rehabilitation.
- Therapeutic plan (language skills, speech clarity. auditory training) & parent counseling. Measuring outcomes & monitoring progress.

- Special considerations: educational concerns, bilingualism and special considerations in comorbid conditions and challenging cases.

Intended Learning Outcomes:

Knowledge and Understanding:

A.2 Describe important criteria related to cochlear implantation candidacy selection.

A4. Recall the physiology of speech sounds (consonants and vowels) perception; the normal stages of typical language development in peers devoid of any hearing difficulty and outline different suprasegmental aspects of speech rate, speech and intonation (melody).

A6. Recognize the important role of phoniatric rehabilitation in CI success.

A7. Recognize the importance of safety measures related to cochlear implants use.

A8. Recognize and understand academic challenges faced by CI students and ways to help them overcome the learning obstacles they might face.

Intellectual skills:

B2. Estimate level of progress and degree of success of the rehabilitation process

B3. Complete and present problem solving skills for progress plateauing and/or insufficient benefit from the cochlear implant as expected.

B4. Differentiate between different auditory skills and use this knowledge to formulate and design an adequate rehabilitation plan graded in difficulty; a step-wise manner

Practical Skills:

By the end of this diploma, the candidate will be able to:

C1. Choose appropriate candidates for CI implantation.

C4. Write a medical report or referral letter when required.

Communication & Transferrable Skills:

D1. Define and illustrate efficient communication, consultation and counselling skills
D2. Value partnership between doctor and patient

D3. Discuss the role of interdisciplinary teamwork and how to work collaboratively and efficiently with other team members involved in the cochlear implantation process

D4. Value self-audit and positive criticism.

D5. Explain how information technology can be used as a tool for audit & quality control.

D6. Define his own strengths, weakness and learning needs and be prepared to continuous medical education and lifelong learning.

D7. Tell how to manage time and workload effectively

(4) Academic Standards:

Academic Reference Standards for the diploma were compiled according to the National Academic Reference Standards (NARS) provided by the national authority for quality assurance and accreditation of education (NAQAAE) for postgraduate programs (published on February 2009). This program ARS were approved by the faculty council on 18 / 1 /2021.

(5) Regulations for progression and Program completion

- Each candidate must complete minimum of 75% of credit hours in order to obtain the diploma degree, which include the courses and activities of the log book.
- The hours are distributed as shown in the table on the following page.
- This logbook will contain all the activity that will be done through the program and the activities which will be conducted through the courses. The candidate will not be allowed to apply to the exam of the diploma unless completing 75% of log book activity.

Subjects		Number of weeks / diploma	Teaching/Clinical Hours (per week)	Code	Total Teaching/ Clinical hours	Total credit hours
Module 1: Basic Surgery for Cochlear Implant		15 weeks	8 for 15 weeks	CISURG 426-ENT	120 hours	8
Module 2: Advanced Surgery for Cochlear Implant		15 weeks	8 for 15 weeks	CISURG 426-ENT	120 hours	8
Module 3 Audiology and Phoniatic rehabilitation in CI	Audiology for CI Surgeon	15 weeks	2 for 7 weeks	CISURG 426-AUD	14 hours	4
	Phoniatic for CI Surgeon		2 for 7 weeks	CISURG 426-PHON	14 hours	

Clinical training and workshop	Clinical surgery	15 week	12 X 3 X 15 weeks		540 clinical hours	12
	Clinical audiology		4X 3 X 15 weeks		180 clinical hours	4
	Clinical phoniatic		4 X 3 X 15 weeks		180 clinical hours	4

(6) Teaching methods: (online / or in person attendance)

- Interactive Lectures with case studies
- Lectures
- Case scenarios and group discussion
- Presentations & seminars.

(7) Assessment methods:

- I- To sit for the exam in the Professional Diploma in Cochlear Implantation Surgery, the candidate must fulfill the following criteria:
- I. A letter of recommendation from the approved CI center that the Candidate is ready for getting the exam needed for the professional CI Diploma.
 - II. A logbook signed by approved CI Center (s) to show that the candidate has observed at least 20 CI surgeries.
 - III. A Certificate of attendance of at least one acknowledged CI Cadaveric Course.
- II- After fulfilling the previous criteria, the candidate must pass the exams as shown in the following table:

<u>Module</u>	<u>Exam</u>	<u>Marks</u>		<u>Total marks</u>
		<u>MCQ</u>	<u>Short questions</u>	
Module 1:				
Basic Surgery for Cochlear Implant	written paper (90 min)	20	80	100
Module 2:				
Advanced Surgery for Cochlear Implant	written paper (90 min)	20	80	100
Module 3:				
Audiology for CI Surgeon	written paper (60 min)	10	30	80
Phoniatric for CI Surgeon		10	30	

To pass this exam the candidate must have 60% or more in the exam. If the candidate fails, he must repeat the exam. If he succeeds, he will move to the final stage.

- III- The Candidate who will pass the written exams will be submitted to a cadaveric dissection exam with an oral exam of 300 marks. Only those who will pass this exam will have the Professional Diploma.

(8) References of the course:

- Lecture notes Internet based resources (websites e.g. PubMed, journals)
- Pediatric Cochlear Implantation: Learning and the Brain: Nancy M. Young • Karen Iler Kirk. ISBN 978-1-4939-2787-6 ISBN 978-1-4939-2788-3 (eBook) DOI 10.1007/978-1-4939-2788-3 Library of Congress Control Number: 2016944807 © Springer Science+Business Media LLC 2016
- Cochlear Implants Third Edition Susan B. Waltzman, PhD J. Thomas Roland Jr., MD Thieme Medical Publishers, Inc 333 Seventh Ave New York, NY 1 0001
- Cochlear Implants: fundamentals and applications Graeme Clark Department of Otolaryngology and The Bionic Ear Institute The University of Melbourne 348-388 Albert Street East Melbourne, Victoria 3002 Australia g.clark@unimelb.edu.au

(9) Facilities and resources mandatory for course completion:

Candidates and their learning are supported in a number of ways: Presence of data show and computer facilities.

ILOs Matrices

We certify that all information required to deliver this program is contained in the above specification and will be implemented. All course specification for this program are in place.

Program Modules - ILOs Matrix

- Program ILOs are enlisted in the first row of the table (by their code number: A1, A2.....etc.
- The module titles or codes are enlisted in first column.
- An "x" mark is inserted where the respective course contributes to the achievement of the program ILOs in question.

Modules	Program ILOs																																						
	A1								A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	B 1	B 2	B 3	B 4	C 1	C 2	C 3	C 4	C 5	C 6	C 7	D 1	D 2	D 3	D 4	D 5	D 6	D 7	D 8	D 9
	A 1.1	A 1.2	A 1.3	A 1.4	A 1.5	A 1.6	A 1.7	A 1.8																															
Module 1: Surgery for Cochlear Implants	x	x	x	x	x	x	x		x					x						x			x	x	x	x				x	x	x	x	x	x				
Module 2: Advanced Cochlear implant surgery						x		x					x		x	x	x	x									x	x	x									x	x
Module 3 A: Audiology & Phoniatrics for CI Surgeon									x														x	x		x			x	x	x	x	x	x	x				
Module 3B: Phoniatric for CI Surgeon									x	x		x							x	x	x	x	x	x		x			x	x	x	x	x	x	x				

ProgramAims - ILOs Matrix

- Program ILOs are enlisted in the first row of the table (by their code number: A1, A 2.....etc)
- The program aims are enlisted in the first column as Aim1, Aim2, Aim3, etc.
- An "x" mark is inserted where the respective course contributes to the achievement of the programme ILOs in question.

Aims	Program ILOs																																										
	A1								A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	B 1	B 2	B 3	B 4	C 1	C 2	C 3	C 4	C 5	C 6	C 7	D 1	D 2	D 3	D 4	D 5	D 6	D 7	D 8	D 9				
	A 1.1	A 1.2	A 1.3	A 1.4	A 1.5	A 1.6	A 1.7	A 1.8																																			
Aim 1	X	X	X	X	X	X	X	X						X		X	X	X	X						X		X	X	X														
Aim 2	X	X	X	X	X	X	X	X																X																			
Aim 3										X									X																								
Aim 4									X														X	X	X	X																	
Aim 5												X						X																									
Aim 6											X																																
Aim 7												X	X							X	X	X																					
Aim 8													X																														
Aim 9																																			X	X	X	X	X	X	X	X	X

Graduate Attributes	Program ILOs																																														
	Module 1	Module 1	Module 1	Module 1	Module 1	Module 1, 2	Module 1	Module 1, 2	Module 1-3A-3B	Module 3A	Module 3B	Module 3A	Module 3B	Module 2,3B	Module 3B	Module 2	Module 2	Module 2	Module 2	Module 3A	Module 3B	Modules 3A,3B	Modules 3A,3B	Module 1-3A-3B	Module 1	Module 1	Module 1-3A-3B	Module 2	Module 2	Module 2	Module 3 B	Module 1-3A-3B	Modules 3A-3B	Module 1-3A-3B	Modules 1,3B	Module 1-3A-3B	Module 1-3A-3B	Module 2	Module 2								
	A1								A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	B 1	B 2	B 3	B 4	C 1	C 2	C 3	C 4	C 5	C 6	C 7	D 1	D 2	D 3	D 4	D 5	D 6	D 7	D 8	D 9								
	A 1.1	A 1.2	A 1.3	A 1.4	A 1.5	A 1.6	A 1.7	A 1.8																																							
Make decisions according to information available								x								x	x	x	x					x	x		x	x	x									x	x								
Employ resources efficiently										x	x									x			x																				x	x			
Participate community development and biological diversity conservation												x	x	x																																	
Reflect commitment to integrity, credibility and profession rules accepting accountability																																															
Realize the need for self-development and continuous learning																																															

Chairman of the Course :

- Prof. Mohammed Rashad Ghoneim President of CI group Mansoura Faculty of Medicine.
- Prof. Fatthi Abdelbaki: President of Egyptian Society of Cochlear Implantation
- Prof. Youssef Kamel Shabana Vice President of CI group Mansoura Faculty of Medicine
- The Head of ENT department of Mansoura Faculty of Medicine.

Course coordinators: Dr. Mohammed Abdelbadie

We certify that all information required to deliver this program is contained in the above specification and will be implemented. All course specification for this program are in place.	
Program director: <u>Prof. Mohammed Rashad Ghoneim</u>	
Program coordinator: Name: Dr. Mohammed Abdelbadie:	
Chairmen of the Course : <ul style="list-style-type: none">▪ <u>Prof. Mohammed Rashad Ghoneim</u> President of CI group Mansoura Faculty of Medicine.▪ <u>Prof. Fatthi Abdelbaki</u> President of Egyptian Society of Cochlear Implantation▪ <u>Prof. Youssef Kamel Shabana</u> Professor of otorhinolaryngology - Mansoura Faculty of Medicine	
▪ <u>Head of ENT department:</u> Name:	
Dean: Name:	
Executive director of the quality assurance unit: Name:	

لائحة الدبلومة المهنية في تخصص جراحة زراعة القوقعة السمعية

Professional Diploma In Cochlear Implantation Surgery (CISURG)

القسم المانح للدرجة: جراحة الاذن والانف والحنجرة- كلية الطب – جامعة المنصورة:

Otorhinolaryngology Department- Faculty of Medicine – Mansoura University

الساعات المعتمدة		الكود	Course	المقرر	
الاجمالي	المقرر				
٨	٨	CISURG 426-ENT	Basic Cochlear Implant Surgery	أساسيات جراحة زراعة القوقعة	الفصل الدراسي الأول
٨	٨	CISURG 426-ENT	Advanced Cochlear implant surgery	جراحة زراعة القوقعة المتقدمة	الفصل الدراسي الثاني
٤	٢	CISURG 426-AUD	Audiology for Cochlear Implant Surgeon	علم السمعيات في مجال زراعة القوقعة	الفصل الدراسي الثالث
	٢	CISURG 426-PHON	Phoniatrics for Cochlear Implant Surgeon	علم التخاطب في مجال زراعة القوقعة:	
٢٠	١٢	CISURG 426-ENT	Clinical surgery	أنشطة علمية متعلقة بزراعة القوقعة المختلفة تشمل	كراسة الانشطة
	٤	CISURG 426-AUD	Clinical audiology	التدريب الإكلينيكي	
	٤	CISURG 426-PHON	Clinical phoniatic	ورش العمل	
٤٠	إجمالي الساعات المعتمدة				

نظام الامتحان وتوزيع الدرجات:

الاجمالي	الدرجة		الاختبار	المقرر
	تحريري أسئلة قصيرة	MCQ		
١٠٠	٨٠	٢٠	امتحان تحريري مدته ساعة ونصف	أساسيات جراحة زراعة القوقعة
١٠٠	٨٠	٢٠	امتحان تحريري مدته ساعة ونصف	جراحة زراعة القوقعة المتقدمة
٨٠	٣٠	١٠	امتحان تحريري مدته ساعة	علم السمعيات في مجال زراعة القوقعة.
	٣٠	١٠		علم التخاطب في مجال زراعة القوقعة:
٣٠٠	٣٠٠		شفوي واكينيكي تشريح العظام الصخرية	
شروط دخول الامتحان الشفوي والاكينيكي: ان يتجاوز المتدرب جميع الامتحانات النظرية في الفصول الدراسية				

شروط القيد :

هذا البرنامج هو دبلومة مهنية في تخصص دقيق في مجال جراحات الانف والأذن والحنجرة و هو زراعة القوقعة السمعية ولذا يجب توافر الشروط التالية على من يود الالتحاق بالدبلومة المهنية لزراعة القوقعة السمعية

١. ان يكون حاصل على درجة الماجستير في الأنف والأذن والحنجرة أو ما يعادلها (دبلومة او زمالة)

٢. ان يكون قد حضر دورة واحدة على الاقل في مجال تشريح للعظام الصخرية.

٣. ان يرفق المتقدم موافقة من احد مراكز زراعة القوقعة المعتمدة على تدريبيه وتشمل هذه المراكز جميع مراكز زراعة القوقعة التابعة للمستشفيات الجامعية ووزارة الصحة والسكان و المستشفيات العسكرية.

٤. يحدد عدد المقبولين حسب الاحتياج سنويا في المراكز المعتمدة لزراعة القوقعة بما يضمن حصول المتدرب على اقصى استفادة علمية مع التدريب المثالي تحت الملاحظة من قبل استشاري زراعة القوقعة .

وقد تبني البرنامج المعايير القومية الاسترشادية التي اصدرتها الهيئة القومية لضمان جودة التعليم والاعتماد
للدراستات العليا والتي اصدرتها في ٢٠٠٩

Program director: <u>Prof. Mohammed Rashad Ghoneim</u>	
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