



جمهورية مصر العربية

وزارة التعليم العالي
الوزيرة

قرار وزاري

رقم (٧٤٧) بتاريخ ٢٠٢٢/٣/١٤

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 (٦٩٤) بتاريخ ٢٠١١/٤/٣ بشأن إصدار اللائحة الداخلية لكلية الطب جامعة المنصورة (مرحلة الدراسات العليا) بنظام الساعات المعتمدة، والقرارات المعدلة له.

* وعلى موافقة مجلس جامعة المنصورة بجلسته بتاريخ ٢٠٢٠/٧/٢٧، ٢٠٢١/٨/٢٠

* وعلى موافقة لجنة قطاع الدراسات الطبية بجلستها بتاريخ ٢٠٢١/١١/٨، ٢٠٢١/١٢/٢٧

* وعلى موافقة المجلس الأعلى للجامعات بجلسته بتاريخ ٢٠٢٢/٢/١٧

قرر
(المادة الأولى)

يضاف مادة جديدة تحت رقم (٣ مكرر) إلى اللائحة الداخلية لكلية الطب جامعة المنصورة مرحلة الدراسات العليا (نظام الساعات المعتمدة) الصادرة بالقرار الوزاري رقم (٦٩٤) بتاريخ ٢٠١١/٤/٣ على النحو التالي:

مادة (٣ مكرر) الدبلومات المهنية
تمنح جامعة المنصورة بناء على طلب كلية الطب البشري الدبلومات المهنية الآتية:-

- ١-
- ٢-
- ٣- مكافحة العدوي
- ٤- أمراض الأوعية الدموية المخية والسكتة الدماغية
- ٥- التغذية الإكلينيكية
- ٦- زراعة نخاع العظام
- ٧- مجال طب الشبكية

(المادة الثانية)

يلحق باللائحة الداخلية المشار إليها بعالية الخطة الدراسية والإمتحانية المرفقة والخاصة بالدبلومات المهنية الآتية (مكافحة العدوي - أمراض الأوعية الدموية المخية والسكتة الدماغية - التغذية الإكلينيكية - زراعة نخاع العظام - مجال طب الشبكية)

(المادة الثالثة)

على جميع الجهات المختصة تنفيذ هذا القرار.

وزير التعليم العالي والبحث العلمي
ورئيس المجلس الأعلى للجامعات

(أ.د/ خالد عبد الغفار)



محرر



PROFESSIONAL DIPLOMA IN STROKE AND VASCULAR
NEUROLOGY SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Department offering the program	Neurology department
(2) Department responsible for teaching the course.	Neurology department
(3) Duration of the program.	1 year
(4) Date of approval by the Department's council	
(5) Date of last approval of program specification by Faculty council	
(6) Course title.	STROKE AND VASCULAR NEUROLOGY
(7) Course code.	(CVSD413)
(8) Total teaching hours.	24 Credit hours

Tamer Abadssal





(B) Professional information

(1) Course Aims.

The broad aims of the course are as follows:

- 1-To provide specialized training in the clinical and scientific basis of a wide range of cerebrovascular disorders.
- 2- Equip students with a deep understanding of disorders of the cerebrovascular system and which will be of benefit to their future careers.
- 3- Provide Skills necessary for proper diagnosis and management of patients in the field of cerebrovascular diseases including diagnostic, problem solving and decision making.
- 4- To facilitate active learning of the various diseases affecting the cerebrovascular system regarding the possible pathophysiology, pathogenesis, clinical presentation, differential diagnosis & investigations.
- 5- To produce graduates able to acquire the competency and experience to provide a high standard patient care that is compassionate and effective for the management of patients with different neurologic diseases with practices that are safe, scientifically based, effective, efficient, timely, and cost effective as well as evidence-based.
- 6-To produce graduates who are better prepared to understand, reflect and meet the needs of our local community and respond appropriately to cultural and medical needs.
- 8- To provide continuous self-development and transfer of knowledge and skills to others.
- 9- To act with integrity, honesty and respecting medical ethics.

Turner Abadhsad





2) Intended Learning Outcomes (ILOs).

A- Knowledge and Understanding

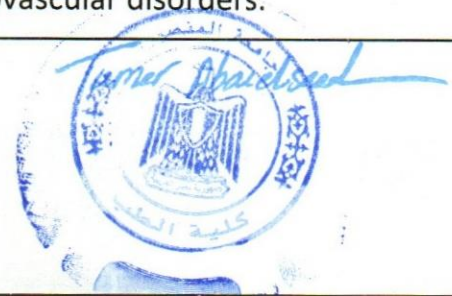
On successful completion of the diploma, the candidate will be able to:

- A1 Recognize the core content of cerebrovascular pathologies at a level sufficient to practice the common problems, which have a major impact on health in Egypt.
- A2 Identify pathophysiology, stages, clinical features of cerebrovascular disorders.
- A3 Mention the common theories and factors explaining the etiology in various cerebrovascular disorders.
- A4 List the common differential diagnosis in various cerebrovascular disorders.
- A5 Mention Ethical and legal principles of professional practice in the field of cerebrovascular disorders.

B- Intellectual skills.

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

- B1 Interpret data acquired through history taking to reach a provisional diagnosis in cerebrovascular disorders.
- B2 Select from different diagnostic alternatives the one that help reaching a final diagnosis in neurological problems
- B3 Link between knowledge for Professional problems' solving.
- B4 Assess risk in professional practice in the field of neurology.
- B5 Plan to improve performance in the field of cerebrovascular disorders.
- B7 Identify neurological problems and find solutions.
- B8 Analyze researches and issues related to the cerebrovascular disorders.





C-Professional/practical skills.

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

- C1 Master of the basic and modern professional clinical skills in the area of cerebrovascular disorders.
- C2 Write and evaluate medical reports.
- C3 Evaluate and develop methods and tools existing in the area of cerebrovascular disorders.
- C4 provide the acute Stroke care, manage an array of available diagnostic imaging techniques, directing IV thrombolysis, and assisting with acute endovascular interventions.
- C5 Design new methods, tools and ways of professional practice.

D- Communication & Transferable skills.

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

- D1 Respond effectively to a patient's emotional and psychosocial concerns and allay patient anxiety regarding procedures.
- D2 Interact and communicate effectively with other health care professionals.
- D3 Manage time effectively and demonstrate skills needed for lifelong learning.
- D4 use different sources to obtain information and knowledge.

E-Academic standards

Competency Area I: The graduate as a health care provider

The graduate should provide quality, safe, patient-centered care, drawing upon his/her integrated knowledge and clinical skills, and adhering to professional values. The graduate should collect and interpret information, make clinical decisions, and carry out diagnostic and therapeutic interventions - with an understanding of the limits of his/her





expertise- considering the patient's circumstances and preferences as well as the availability of resources. The graduate should be able to:

- 1.1. Take and record a structured, patient centered history.
- 1.2. Adopt an empathic and holistic approach to the patients and their problems.
- 1.3. Assess the mental state of the patient.
- 1.4. Perform appropriately timed full physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.
- 1.5. Prioritize issues to be addressed in a patient encounter.
- 1.6. Select the appropriate investigations and interpret their results taking into consideration cost/ effectiveness factors.
- 1.7. Recognize and respond to the complexity, uncertainty, and ambiguity inherent in medical practice.
- 1.8. Apply knowledge of the clinical and biomedical sciences relevant to the clinical problem at hand.
- 1.9. Retrieve, analyze, and evaluate relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence (EBM).
- 1.10. Integrate the results of history, physical and laboratory test findings into a meaningful diagnostic formulation.
- 1.11. Perform diagnostic and intervention procedures² in a skillful and safe manner, adapting to unanticipated findings or changing clinical circumstances.
- 1.12. Adopt strategies and apply measures that promote patient safety.
- 1.13. Establish patient-centered management plans in partnership with the patient, his/her family and other health professionals as appropriate, using Evidence Based Medicine in management decisions.
- 1.14. Respect patients' rights and involve them and /or their families/carers in management decisions.
- 1.15. Provide the appropriate care in cases of emergency, including cardio-pulmonary resuscitation, immediate life support measures and basic first aid procedures.
- 1.16. Apply the appropriate pharmacological and nonpharmacological approaches to alleviate pain and provide palliative care for seriously ill people, aiming to relieve their suffering and improve their quality of life.
- 1.17. Contribute to the care of patients and their families at the end of life, including management of symptoms, practical issues of law and certification.

Competency Area II: The graduate as a health promoter

The graduate should advocate for the development of community and individual measures which promote the state of well-being, he/she should empower individuals and communities to engage in healthy behaviors, and put his/her knowledge and skills to prevent diseases, reduce deaths and promote quality life style. The graduate should be able to:





- 2.1 Identify the basic determinants of health and principles of health improvement.
- 2.2 Recognize the economic, psychological, social, and cultural factors that interfere with wellbeing.
- 2.3 Discuss the role of nutrition and physical activity in health.
- 2.4 Identify the major health risks in his/her community, including demographic, occupational and environmental risks; endemic diseases, and prevalent chronic diseases.
- 2.5 Describe the principles of disease prevention, and empower communities, specific groups or individuals by raising their awareness and building their capacity.
- 2.6 Recognize the epidemiology of common diseases within his/her community, and apply the systematic approaches useful in reducing the incidence and prevalence of those diseases.
- 2.7 Provide care for specific groups including pregnant women, newborns and infants, adolescents and the elderly.
- 2.8 Identify vulnerable individuals that may be suffering from abuse or neglect and take the proper actions to safeguard their welfare.
- 2.9 Adopt suitable measures for infection control.

Competency Area III: The graduate as a professional

The graduate should adhere to the professional and ethical codes, standards of practice, and laws governing practice. The graduate should be able to:

- 3.1. Exhibit appropriate professional behaviors and relationships in all aspects of practice, demonstrating honesty, integrity, commitment, compassion, and respect.
- 3.2. Adhere to the professional standards and laws governing the practice, and abide by the national code of ethics issued by the Egyptian Medical Syndicate.
- 3.3. Respect the different cultural beliefs and values in the community they serve.
- 3.4. Treat all patients equally, and avoid stigmatizing any category regardless of their social, cultural, ethnic backgrounds, or their disabilities.
- 3.5. Ensure confidentiality and privacy of patients' information.
- 3.6. Recognize basics of medico-legal aspects of practice, malpractice and avoid common medical errors.
- 3.7. Recognize and manage conflicts of interest.
- 3.8. Refer patients to appropriate health facility at the appropriate stage.
- 3.9. Identify and report any unprofessional and unethical behaviors or physical or mental conditions related to himself, colleagues or any other person that might jeopardize patients' safety.





3. Program content

3.1 Clinical training

Rotations	Duration
acute stroke service	4 months
neuroICU service	2 months
Stroke out patient clinic	2 months
neuroradiology	1 month
neurosonology	1 month
stroke rehabilitation	1 month
neuroendovascular surgery	1 month
Total	12 months

3.2 lectures

	Course	Lectures	Code	Credit Hours	Total Hours
First Semester	Cerebrovascular disorders part I	<ol style="list-style-type: none"> 1) Arteries and veins of the brain: anatomical organization and cerebral hemodynamics 2) Epidemiology, risk factors, etiology and Pathophysiology of ischemic stroke 3) Clinical features of ischemic stroke 4) Diagnosis of ischemic stroke 5) Acute phase therapy in ischemic stroke 6) primary and Secondary prevention of ischemic stroke 	CVSD413 DSI	6	6
Second. semesters	Cerebrovascular disorders part II	<ol style="list-style-type: none"> 1) Epidemiology, risk factors, etiology and Pathophysiology of hemorrhagic strokes 2) Clinical features and diagnosis of hemorrhagic strokes 3) Management of hemorrhagic strokes 4) Less common causes of stroke: diagnosis and management 5) Complications, Brain repair & Rehabilitation after stroke 6) Vascular cognitive impairment and dementia 	CVSD413 DSII	6	6
Total Teaching Hours					12

Clinical hours: 12 hours

Academic hours: 12 hours





4) Teaching methods.

4.1. Lectures & Seminars, power point aided.

4.2. Conferences

4.3. Interactive bedside teaching with clinical case presentations of difficult and interesting cases and group discussion.

4.4. Training on examination of neurologic patients in grand rounds

4.5. Training in neurosonology Unit

4.6. Attendance of department activities (Thesis Discussion, invasive procedures with senior staffs, outpatient clinic, workshops and training courses...)

4.7. Problem solving case scenarios

(5) Assessment methods.

Assessment method	Intended learning Outcomes
5.1 Written exam	A1,2,3,4,5,6, B1,2,3,4,5,6,7,8 C1,2,3,4,5
5.2 objective and structural Clinical (OSCE)	A1,2,3,4,5,6, B1,2,3,4,5,6, C1,2,3,4,5,D1,2,3,4
5.3 Structured oral exam	A1,2,3,4,5,6, B1,2,3,4,5,6, C1,2,3,4,5,D1,2,3,4

Assessment schedule.

Continuous medical evaluation exam after the end of the first semester.

Final exam after completion of the 12th month training period.

Percentage of each Assessment to the total mark.

Written exam. 50%

OSCE. & Structured oral exam. 50%





Other assessment without marks.

- 1- Presentation and open discussion seminars.
- 2- Log book for assessment of the attendance and activities throughout the course (Minimum acceptance attendance is 75 %), it should be fulfilled and signed by Head of the department.

(6) References of the course.

6.1. Hand books.

The stroke clinician handbook, (2008).

6.2. Text books.

1. *Oxford handbook of neurology.* OUP Oxford. (2014).
2. *Neurology in clinical practice* 7th edition, Elsevier (2017)
3. *Adams & Victor's Principles of Neurology*, 11th Edition, (2019).
4. *Neurology and neurosurgery illustrated* 5th edition, Elsevier, (2011).
5. *Oxford Textbook of Stroke and Cerebrovascular Disease*, Oxford. (2014)

6.3. Journals: Stroke, Clinical Neurology, Journal of neurology, Archives of Neurology, CONTINUUM: Lifelong Learning in Neurology, Current Opinion in Neurology, Nature Clinical Practice Neurology, Neurology, The Neurologist, Practical Neurology,

6.4. Websites: <http://emedicine.medscape.com/>

(7) Facilities and resources mandatory for course completion.

Candidates and their learning are supported in a number of ways:

- Candidates logbook
- Program Specification and Handbooks
- Lecture hall, extensive library and other learning resources
- Computer laboratories with a wide range of software
- Internet with a wide range of learning support material

Course coordinator.

Head of the department. Prof. Dr. Ibrahim ELmenashwy





لائحة الدبلومة المهنية في أمراض الأوعية الدموية المخية و السكتة الدماغية

**Professional diploma in stroke and vascular neurology specification
(CVSD413)**

القسم المانح للدرجة: طب المخ و الأعصاب

❖ المقررات الدراسية وتوزيع الساعات المعتمدة

المعتمدة الساعات		الكود	Course	المقرر	
الاجمالي	المقرر				
6	6	CVSD413 DSI	Cerebrovascular disorders part I	أمراض الأوعية الدموية المخية و السكتة الدماغية (جزء اول)	القصل الدراسي الاول
6	6	CVSD413 CLI	Logbook activities including clinical examinations, seminars, conferences and cases presentations	أنشطة عملية متعلقة بالتدريب الاكلينيكي و الفحص العملي و قراءة الأشعات و متابعة القسطرة المخية	
6	6	CVSD413 DSII	Cerebrovascular disorders part II	أمراض الأوعية الدموية المخية و السكتة الدماغية (جزء ثاني)	القصل الدراسي الثاني
6	6	CVSD413 CLII	Logbook activities including clinical examinations, seminars, conferences and cases presentations	أنشطة عملية متعلقة بالتدريب الاكلينيكي و الفحص العملي و قراءة الأشعات و متابعة القسطرة المخية	
24	24				إجمالي الساعات المعتمدة

تاريخ البدء





امتحان الفصل الدراسي الاول

المقرر	الاختبار	الدرجة	إجمالي
مقرر أمراض الأوعية الدموية المخية و السكتة الدماغية (الجزء الاول)	1. امتحان تقييم مستمر بنظام ال (booklet)	30	30
الدرجة إجمالي			30

الامتحان النهائي الشامل في نهاية الفصل الدراسي الثاني

المقرر	الاختبار	الدرجة			إجمالي	
مقرر أمراض الأوعية الدموية المخية و السكتة الدماغية (الجزء الاول و الثاني)	1. امتحان تحريري مدته ثلاث ساعات بنظام ال (booklet) 2. امتحان شفوي 3. امتحان اكلينيكي	تحريري	شفوي	إكلينيكي	270	
الدرجة إجمالي			120	50	100	270

من يحق له التقدم للحصول علي الدبلومة المهنية في أمراض الأوعية الدموية المخية و السكتة الدماغية:

خريجي كلية الطب بمختلف الجامعات الحاصلين علي ماجستير الأمراض العصبية أو الزمالة المصرية للأمراض العصبية

تامر ابدالله

