Course description form for the academic year

2022/2023

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description

1. Teaching Institution	UNIVERSITY OF BASRAH
2. University Department/Centre	College of medicine , department of pathology and forensic medicine
3. Program Title	Medical genetics Pathology of cardiovascular system Pathology of central nervous system Dr. Saad Abb-Albaqi
4. Modes of Attendance offered	Annual Theoretical lectures and practical sessions
5. Term /year	1st and second term
6. No. of annual teaching hours	48 hours per year (theory) 3 hours per week practical
7. Date of production/revision of this specification	2022/2023

Aims of programme

1. To acquire knowledge about the pathological bases of diseases, so that the student will be able to understand the clinical aspects of diseases
2. Diagram of the pathogenesis of pathogens
3. Describe the clinical findings and possible complications of infection in different age groups
4. Follow-up of the patient's condition through histopathological examinations and blood tests
5. Understanding and applying general facts in the field of pathology for third grade students
6. Correlation between pathological changes and disease manifestations
7. Understand the role of pathologists as part of an integrated medical team responsible for diagnosing a medical condition, and determining the appropriate treatment
8. Focus on common diseases in our society and cancer
9. Providing the ability to diagnose and treat toxic patients
10. The ability to diagnose cases of blood diseases with a focus on common diseases in our society and diseases of leukemia and lymph nodes

9. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Cognitive goals

A1. Strengthening the knowledge base of pathology and forensic medicine by developing and encouraging scientific research.
A2. Enhancing distinguished programs of laboratory services to serve the community and encourage environmental development.
A3. Knowing the types of diseases and the importance of diagnosing them accurately
A4. Identify the types of laboratory tests in the field of histology and hematology
A5. Adhere to the diagnostic criteria of the disease
A6. Following up diseases and diagnosing cases of disease progression through laboratory analyzes

B. The skills goals special to the programme .

B1. Proper methods of collecting blood samples
B2. How to preserve the tissue examination sample after its surgical removal, and the necessity of preserving it with a substance that preserves it from damage
B3. Examination of the glass slides and diagnosis of the diseased condition of the canine, as a result of the examination in a laboratory report

Teaching and Learning Methods

- Theoretical lectures and practical lessons

Assessment methods

- short exams
- Mid-year exams (theoretical and practical)
- End-of-year exams (theoretical and practical)

C. Affective and value goals

C1. Develop the idea of work and team spirit
C2. To develop moral behavior among students
C3. Maintaining the secrets of the patient
C4. Develop the concept of community service and follow the best method in dealing with community members

Teaching and Learning Methods

-Theoretical lectures and medical reports

Assessment methods

- Note with daily evaluation
- Focus on professional behavior in lectures

D. **General and Transferable Skills (other skills relevant to employability and personal development)**

D1. How to diagnose diseases and their causes from a clinical point of view
D2. Investigating and diagnosing the disease and recommending modern laboratory, serological and radiological examinations
D3. Prevention and education of the community to reduce viral and bacterial infectious diseases
D4. Emphasis on early detection of cancerous diseases through screening programs
Using modern computer methods to save patient data

Teaching and Learning Methods

-Theoretical lectures and medical reports

Assessment methods

- Note with daily evaluation

Focus on professional behavior in lectures

10-course structure

Assessment method	learning method	Name of the unit/course or topic	required learning outcomes	hours	week
Exams	Theoretical lectures and practical sessions	Medical genetics	❖ How can we classify diseases? ❖ What do we mean by Mendelian disorders? ❖ What is a mutation? ❖ What are multifactorial diseases? ❖ Know what is Single gene diseases? ❖ Have an Idea about multifactorial diseases. ❖ Define cytogenetic diseases and what are the types? ❖ Know some examples of numerical chromosomal abnormalities. ❖ What are structural chromosomal abnormalities? ❖ What are the single gene disorders with abnormal Mendelian inheritance? ❖ What is mitochondrial disease? ❖ What is genomic imprinting? ❖ What is uniparental disomy?	12	1
		Cardiovascular system	Study some diseases of The Blood Vessels - Atherosclerosis -Tumors - Benign tumors -Hemangioma(types) -Lymphangioma(types) - Intermediate (Borderline) tumors	12	3

			-Kaposi sarcoma - Malignant tumors -Angiosarcoma ❖ -lymphangiosarcoma		
		Cardiovascular system	❖ Define hypertensive heart diseases **- Aneurysms (definition, type, complication)** **Understand diseases of The Heart** ❖ **Ischemic heart diseases** ❖ **Myocardial infarction(pathogenesis, events, sequences,complications)** ❖	12	**4**
		Cardiovascular system	**Study some Valvular heart diseases** - **Define Rheumatic fever and heart disease** - **Infective Endocarditis** **Understand some Congenital heart disease** - **Left-to-right shunts** ○ **-Atrial septal defects** - **-Ventricular septal defects** - **-Patent ductus arteriosus** - **Right-to-left shunts** - **-Tetralogy of Fallot** - **-Transposition of great arteries**	8	**5**
		Central nervous system	**Understand Infections of the nervous system** **-Leptomeningitis** **-Acute purulent leptomeningitis** **-Acute lymphocytic (viral)meningitis** **-Chronic meningitis** **-Parenchymal infections (encephalitis)** **-Brain abscess** **-Viral encephalitis** **Study some Neoplasms of the central nervous system** **-Primary neuroglial tumors(Gliomas)** **-Astrocytomas** **-Oligodendrogliomas** **-Ependymomas** **-Primitive neuroepithelial neoplasms** **-Meningiomas** ❖ **-Metastatic neoplasms**	4	**6**

1. Infrastructure	
Robbin's Basic Pathology 8th Edition; Kumar, Abbas, Fausto & Mitchell 2010	**Required textbooks**
Robbin's Basic Pathology 8th Edition; Kumar, Abbas, Fausto & Mitchell 2010 **Currans atlas of gross and histopathology**	**Main references (sources)**
Robbin's Basic Pathology 8th Edition; Kumar, Abbas, Fausto & Mitchell 2010 **2-Muir's Text Book of Pathology, 13th Edition; Roderick N M MacSween & KeithWhaley 1994** **3-Stevens: Core pathology, 3ed edition 2010.** **4- Practical booklet 2010**	**Recommended books and references (scientific journals, reports** **(…….**
Pathology outlines **Stevens: Core pathology, 3ed edition 2010.**	**Electronic references, websites**

12-course development plan **Student center learning**

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