

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	General Pathology
Course number	DENT3227
Faculty	
Department	
Course type	College Needs
Course level	3
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - understand the general principles of inflammation process
- 2 - give a brief summary of the different types of neoplasia
- 3 - understand the process of wound healing
- 4 - realize the importance of the TNM system in grading tumors

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * 1. A brief introduction to principles of general pathology and inflammation. * improve the students ability of observation
Intellectual Skills	<ul style="list-style-type: none"> * realize the pathological changes related to the different conditions
Professional Skills	<ul style="list-style-type: none"> * Identify and describe normal and abnormal oral soft tissue lesions. * Demonstrate and apply the principles of infection control to the clinical situation.
General Skill	<ul style="list-style-type: none"> * improve the students ability of logical analysis * improve the students ability of discussion

Course Contents

- 1 - acute and chronic inflammation
- 2 - intracellular accumulation
- 3 - haemodynamic disorders
- 4 - bacterial and viral infections
- 5 - factors in disease
- 6 - cell injury and cell death
- 7 - tissue regeneration and repair
- 8 - cellular adaptations of growth and differentiation
- 9 - neoplasia
- 10 - diseases of immune system

Teaching and Learning Methods

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| 1 - educative videos
2 - power point slides
3 - assignments |
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Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
midterm exam	7th week	50
final exam	14th week	50

Books and References

Course note	general pathology . . . department members
Recommended books	Robbins basic pathology 9th edition

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
acute and chronic inflammation	1st week	understand the process of inflammation in details understand the role of leukocytes in the inflammation process understand different types of acute and chronic inflammation	realize the main differences between acute and chronic inflammation realize the main differences between abscess and cellulitis	improve the students ability in identifying the histological slides	improve the students ability of observation
cell injury and cell death	2nd week	understand the examples of necrosis understand the terminology of necrosis and apoptosis	realize the differences between necrosis and apoptosis realize the differences between the different types of necrosis	identify the causes and signs of each types of necrosis identify the changes related to each type of necrosis	improve the students ability of observation improve the students ability of remembering
intracellular accumulations	3rd week	understand the definition of intracellular accumulations understand the types of intracellular accumulation	realize the pathological and physiological changes related to the intracellular accumulation realize the differences between internal and external pigmentations	differentiate between the different types of intracellular accumulations (lipids , protein , glycogen , pigments)	improve the students ability of observation
Tissue Regeneration and Repair	4th week	understand the different mechanisms of wound healing	realize the differences between the different types of cells and its role in wound healing	have a good ability in explaining the body reaction to the wound and broken bones	improve the students ability of observation
Haemodynamic Disorders, Thrombosis and Shock	5th week	understand the blood circulation in the body understand the different types of blood flow disorders understand the different terms related to hemorrhage	realize the links between the different types of blood flow disorder realize the causes of each type realize the complication and the death may caused by each type	have a good ability in discuss the different types of gangrene	improve the students ability of linking information

Bacterial & viral infections	6th week	understand the concept of infection understand the concept of incubation period understand the body response to bacterial and viral invasion understand the terms of septicemia pyemia toxemia	realize the differences between the pymeia , septicemia , toxemia realize the differences between different types of hepatitis	have a good ability in identifying the oral manifestation of each bacterial and viral infection if present .	improve the students ability of linking information improve the students ability of logical thinking
Cellular adaptations of growth and differentiation	8th week	understand the terms of hyeperplasia dysplasis , atrophy ,	realize the differences between those terms	have a good ability in discussing the cellular transformation related to growth	improve the students ability of observation
Neoplasia	9th ,10th week	understand the term of neoplasia understand the nomnclature understand the factors lead to neoplasia understand the differences between benign and malignant neoplasia	realize the TNM system and the staging of tumors	have a good ability in diffrentiate between the diffrent types of neoplasia have a good ability in identifying the most common oral cancers	improve the students ability of remembirin g
Diseases of the Immune System	11th , 12th week	under stand the mechanisim of action of immune system understand the htpersensitivity reaction	realize the complications of the immune system diseases	have a good ability in linking the immune system disease with its manifestations in the oral cavity	improve the students ability of linking information
Factors in disease	week 13th	understand the multiple factors related to the disease process	realize tha term of multifactorial disease	have a good ability in identifying the factors related to the disease	improve the students ability of observation