

MODULE DESCRIPTION (SUMMARY PROGRAM).

1. Module Information Code:	
• Name of the Institution and School	Universidad Autónoma de Nuevo León, School of Medicine
• <u>Name of the Learning Unit</u>	Pathology
• Total classroom hours for theory and/or practice.	140 hours
• <u>Total extra classroom hours</u>	100 hours
• Course Modality	Schooled
• Type of academic period in which the module is offered	5th Semester
• <u>Type of Learning Unit in the Curriculum</u>	Compulsory
• Curriculum area:	ACFP-F
• <u>UANL credit points</u>	8
• Date of module creation:	October 3, 2014
• Date of last amendment:	January 21, 2021
• Person(s) responsible for the module design and amendments:	Dr. med. Jesús Áncer Rodríguez. Dr. med. Alberto Niderhauser García. Dra. med. Adriana Guadalupe Áncer Arellano. Dra. med. Oralia Barboza Quintana. Dra. med. María de Lourdes Chávez Briones. Dra. med. Raquel Garza Guajardo. Dra. med. Ivett C. Miranda Maldonado

2. Purpose(s)

This learning unit develops the necessary skills to interpret and understand the molecular and morphological changes that take place at the level of cells, tissues, organs and systems in the main pathological entities. It allows the graduate to make clinical diagnoses of the most common diseases at the first level of care and thus solve the main health problems of the community and facilitate the care of the individual with a high moral and ethical sense.

Within the learning units of the curriculum it is related to anatomy, histology, physiology, microbiology, immunology and medical propaedeutics, by identifying the level of biological organization where the disease occurs, as well as the changes that normal structures undergo, when the disease occurs. With respect to Physiology, the relationship derives in the understanding of the physiopathology of the disease; and with Clinical Pathology relating the normal parameters with the mechanisms that lead to the observable effects at cellular, tissue and organic level of the reviewed diseases; as well as with all the learning units of the clinical area.

3. Competences of the graduate profile

a. General competences contributing to this learning unit.

Instrumental skills:

1. Apply autonomous learning strategies in the different levels and fields of knowledge that allow them make appropriate and relevant decisions in the personal, academic and professional fields.
3. Use the information and communication technologies as access tools to information and its transformation in knowledge, as well as for learning and collaborative work with cutting-edge techniques that allow its constructive participation in society.
4. Dominate their native language in oral and written form with correctness, relevancy, opportunity and ethics adapting its message to the situation or context, in order to transmit of ideas and scientific findings.

Personal and social interaction skills

11. Practice the values promoted by the UANL: truth, equality, honesty, liberty, solidarity, respect for life and anyone's, peace, respect for nature, integrity, ethics behavior and justice, within their personal and professional environment in order to make a sustainable society.

Integrative skills

14. Resolve personal and social conflicts in accordance with specific techniques in the academic field and their profession for the proper decision making.

b. Specific competences of the graduate profile that contributes to the learning unit

- 1.- Use the medicine scientific fundamentals considering economical, psychological, social, cultural and environmental factors which contribute to the development and evolution of a disease for decision-making and medical actions.

2.- Solves clinical problems through deductive reasoning, interpretation of findings and definition of their nature with the aim of making decisions and determine action principles of the medical practice to follow in a responsible way, impacting individual and collective health.

7.- Applies the scientific method for the resolution of medical problems with an innovative, analytic and self-critical attitude for preventing, diagnosing and treating diseases.

4. Summative Evaluation

- Exam
- laboratory practice
- Course Integrative Product
- Resolution of cases.

5. Course Integrative Product

Research work on the most frequent pathologies with oral and written presentation.

6. References

Textbooks:

- Kumar V, Abbas A, Aster JC (2015) *Robinsy Cotran Patología Estructural y Funcional*. España: ElsevierSauders.
- Valencia PF, Ancer J y cols. (2013) *Patología*. Mexico: MC Graw Hill Education.
- Rubin E, Gorstein F, Rubin R, Schwartz R, Strayer D (2012) *Patología de Rubin: Fundamentos Clinicopatológicos en Medicina*. España:

Lippincott Williams &Wilkins .

Manual de Prácticas de Laboratorio:

- *ManualdePrácticasdeHistopatología*. Departamento de Patología Facultad de Medicina UANL

Links of interest on the Internet. Add page name

- Base de datos: CLINICAL KEY: <https://www.clinicalkey.com/>
- Base de datos PUBMED: <http://www.ncbi.nlm.nih.gov/pubmed>
- Pathology outlines.com: <http://www.pathologyoutlines.com>
- The pathology Guy: <http://www.pathguy.com>
- PATHMAX: <http://www.pathmax.com>

