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| Name of discipline | **Medical imaging (gastrology, pediatrics, ENT, surgical diseases)** |
| Type | Compulsory,  | Credits | 2 |
| Academic year | V | Semester | IX |
| Number of hours | Course | 10 | Practice/laboratory work | 10 |
| Seminar | 10 | Self-training | 30 |
| Component | Specialized |
| Course holder | Codreanu Ion |
| Location  | (address of the department and / or the clinical bases) |
| Conditionings and prerequisites of: | Program: knowledge of human anatomy and physiology knowledge of material of Radiology and Radioprotection course, knowledge of clinical and paraclinical signs of diseases studied in the respective clinical disciplines.  |
| Competences: basic digital (internet use, document processing, use of text editors, electronic tables and presentation applications), communication skills and teamwork. |
| Mission of the discipline | Selection of the optimal imaging method of investigation in various pathologies for differential diagnostic purposes, including the following compartments: oncology, gastrology, surgical diseases, pediatrics, neonatology, otorhinolaryngology, anesthesia and intensive care, medical rehabilitation, medical emergencies. |
| Overview of the topics | Medical imaging in oncology. Medical imaging in gastrology. Medical imaging in surgical diseases. Medical imaging in anesthesia and intensive care. Imaging in medical emergencies. Medical imaging in otorhinolaryngology. Peculiarities of imaging investigations and normal radiological anatomy in children. Medical imaging in pediatrics. Medical imaging in neonatology. Imaging in medical rehabilitation. |
| Outcomes  | * to know clinical criteria on the basis of which diagnostic procedures will be indicated,
* to understand the importance of using imaging methods in chronic disease monitoring and acute phase detection,
* to understand ways to combine imaging methods to get the right diagnosis,
* to understand the value and limits of different imaging methods in relation to patient accusations and suspected pathology
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| Clinical skills | * to formulate optimal indications of planed and emergent imaging investigations;
* to apply elements of differential imaging diagnosis
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| Evaluation form | Exam |