

COURSE: CLINICAL CHEMISTRY II

Course content:

Investigation of carbohydrate disorders, Investigation of renal function, absorption, distribution, biotransformation and excretion of xenobiotics, Pharmacokinetics: Monitoring drug concentrations during treatment, Toxicological Analysis oriented clinical and legal cases, , hematology data Documented Laboratory Medicine - Assays, lipids and apolipoproteins: from atherosclerosis to Alzheimer's disease, Laboratory approach of gastric and pancreatic function, Laboratory approach of chronic hepatitis Thyreoidis- function disorders and hormonal profile, Osteoporosis - Causes, Diagnosis, Treatment, Immune system: function disorders and methods of diagnosis, immunotherapy of cancer: new protocols and their clinical applications, quality control of clinical laboratories: the ESEAP system, Accreditation of clinical laboratories: Analysis of standard requirements ISO 15189.

LECTURERS

Faculty Members:

School of Medicine:

E.Kassi As.Professor,

A. Hadzigianni As.Professor,

L. Varsou, As.Professor

Department of Chemistry:

T. Atta-Politou, Assoc. Professor

Department of Biology:

R. Tsitsiloni, As.Professor

Collaborators:

A. Stathopoulos, Head of Clinical Laboratory Accreditation, ESYD,

O. Panagiotakis, Clinical Chemist, Evangelismos Hospital.,

D. Demetroulopoulos, Gastroenterologist, Ag. Savvas Hospital.,

A. Chroni, Researcher, NCSR Demokritos

ASSESSMENT METHOD:

Written exam