Credit hours: 2+1

Exams: To be announced

Venue: To be announced

Instructor: Prof. Omar Al-Attas

Course Objectives: Introduction to biological fluids, understanding their chemical composition, physical properties, function, formation, clinical significance and biochemical analysis

Reference: Textbook of Biochemistry and Human Biology. (L.M Srivastava)
Lehninger Principles of Biochemistry, Fifth Edition

Lecture Series:

Lecture 1-2: Quality Control

Lecture 3-4: Types and distribution of body fluids.

Lecture 5-8: Urine formation, composition, properties, abnormal constituents and clinical significance. Beta HCG.

Lecture 9-14: CSF, lymph, amniotic fluid, sweat, composition, formation and function.

Lecture 15-20: Semen, Synovial fluid, gastrointestinal secretions composition, formation and function.

Lecture 21-24: Serous fluid, tears, milk, feces.

Lecture 25-28: Saliva, Aqueous humor