Module Description

The course details the macromolecular metabolism, and interconversions of carbohydrates, lipids, proteins. Also, the topics highlight means of storage and expression of genetic information, possible malformations and their consequences. Emphasis is given on biochemical pathways with clinical and pathophysiological relevance and how they can be disrupted in disease condition. Examples include inborn-error diseases (e.g. G-6-PDH deficiency, lactose intolerance), metabolic-diseases, and autoimmune diseases (e.g. diabetes), and those related to organ disruption/failure.