



MEDICAL UNIVERSITY OF PLOVDIV

Pathophysiology Department

№ 15A Vassil Aprilov blvd.
4002 Plovdiv

Tel. +359 32 602227
www.pathophysiology.info

P L A N

**for the practicals of III course dental medicine students
winter semester of 2026/ 2027**

TOPIC 1	Introduction in Pathophysiology. Local disturbances in blood flow: hyperaemia, ischaemia, infarction, thrombosis and embolism.
TOPIC 2	Disorders in carbohydrate and lipid metabolism. Diabetes mellitus. Types. Etiology, pathogenesis.
TOPIC 3	Fluid-electrolyte balance. Oedema. Types. Disturbances in mineral metabolism – disturbances in Ca/P, K, Na, etc.
TOPIC 4	Disturbances in protein, lipid, carbohydrate and fluid-electrolyte metabolism. /Colloquium/
TOPIC 5	Hypersensitivity reactions. Allergy, anaphylactic shock.
TOPIC 6	Disturbances in acid-base balance. Hypoxia – definition, types.Characteristics.
TOPIC 7	Inflammation – definition, types, outcomes. Fever – definition, pathogenesis. Hyperthermia.

14. 09. 2026

Prepared by P. Dimov, MD, PhD, person in charge of Educational Activities
Approved by prof. B. Marinov, MD, Head of Department