

# LECTURES IN PATHOLOGY

**3rd year, General Medicine (course in English), winter semester 2025/2026**

**Campus, Brown lecture hall**

Thursday 13:10 – 15:40

1st week	02.10.	<i>No lecture this week</i>	
2nd week	9.10.	Introduction to Pathology. Methods in pathology. Cell injury and cell death. Cell adaptations (hypertrophy, hyperplasia, atrophy, metaplasia, intracellular accumulations, pathologic calcification, stones). Tissue repair (Cell cycle, regeneration, fibrosis).	<i>Assoc. prof. K. Michalová, MD, PhD</i>  <i>Assoc. prof. M. Bradová, MD, PhD</i>
3rd week	16.10.	Hemodynamic disorders (hemostasis, thrombosis, embolia, hemorrhage, hyperemia, congestion, edema, infarction, shock).	<i>Assoc. prof. M. Bradová, MD, PhD</i>
4th week	23.10.	Acute and chronic inflammation. Local and systemic inflammation. SIRS. Sepsis.	<i>Assoc. prof. K. Michalová, MD, PhD</i>
5th week	30.10.	Genetic, environmental, nutritional and infectious etiology of diseases	<i>Assoc. prof. K. Pivovarčíková, MD, PhD</i>
6th week	06.11.	Pathology of pregnancy, fetus and newborn	<i>M. Daumová, MD, PhD</i>
7th week	13.11.	Diseases of the immune system (normal immune responses, hypersensitivity disorders, rejection, autoimmune diseases, immune deficiency diseases, amyloidosis)	<i>Assoc. prof. K. Pivovarčíková, MD, PhD</i>
8th week	20.11.	Neoplasia (molecular oncology, classification, grading, staging, paraneoplastic syndromes)	<i>Prof. A. Skálová, MD, PhD.</i>
9th week	27.11.	Pathology of GIT	<i>M. Daumová, MD, PhD</i>
10th week	04.12.	Pathology of liver, biliary tree and pancreas	<i>Assoc. prof. K. Michalová, MD, PhD</i>
11th week	<b>Moodle only</b>	Pathology of the cardiovascular system	<i>Prof. A. Skálová, MD, PhD</i>
12th week	18.12.	Pathology of endocrine system	<i>M. Daumová, MD, PhD</i>
13th week	08.01.	Pathology of lung, pleura and mediastinum	<i>B. Vaňková, MD, PhD</i>

In Plzen, 9.9. 2025

Assoc. prof. Květoslava Michalová, MD, PhD