

Syllabus
Pathological Physiology 2
Summer Semester 2021/2022
Week 3

General Medicine

- **Online lecture via Microsoft Teams**
 - CVS
 - Congenital heart diseases - general description, classification, hemodynamic consequences
 - Congenital and acquired valvular disorders
 - Haematology
 - Haemorrhagic diathesis - description and classification
 - Thrombocytopenia, thrombocytopathy and vasculopathy - classification, etiopathogenesis
- **Presence seminars**
 - Pathophysiology of CVS – review
 - Haematology
 - Hematologic reference data
 - Anaemic syndrome – etiopathogenesis, classification, laboratory findings, compensatory mechanisms
 - Leukaemia - characteristics and classification of lymphoproliferative and myeloproliferative diseases
- **Semester work presentations** according to the schedule within each group

Dental Medicine

1. **Online lecture via Microsoft Teams**
 - Haematology
 - Haemorrhagic diathesis - description and classification
 - Thrombocytopenia, thrombocytopathy and vasculopathy - classification, etiopathogenesis
2. **Presence seminars**
 - Haematology
 - Hematologic reference data
 - Anaemic syndrome – etiopathogenesis, classification, laboratory findings, compensatory mechanisms
 - Leukaemia - characteristics and classification of lymphoproliferative and myeloproliferative diseases
 - Haemorrhages, haematomas
3. **Semester work presentations** according to the schedule within each group

Recommended audiovisual materials

Congenital heart defects

- Tetralogy of Fallot (TOF): Animation Explains Heart Defect and Repair <https://www.youtube.com/watch?v=8BJOUfycsxo>
- Understanding Atrial Septal Defect (ASD) <https://www.youtube.com/watch?v=jljD3MSVfRE>
- Understanding Atrioventricular (AV) Septal Defect Understanding Atrioventricular (AV) Septal Defect
- Heart Conditions – Pulmonary Stenosis <https://www.youtube.com/watch?v=Rjorbxcct0>
- What is Aortic Stenosis Animation <https://www.youtube.com/watch?v=uKuiZ8mQy6Q>

Valvular defects

- Heart Conditions – Pulmonary Stenosis <https://www.youtube.com/watch?v=Rjorbxcct0>
- What is Aortic Stenosis Animation <https://www.youtube.com/watch?v=uKuiZ8mQy6Q>
- Mitral Stenosis - sound & animation <https://www.youtube.com/watch?v=GZect8nfMU0>
- Mitral Valve Prolapse - sound & animation <https://www.youtube.com/watch?v=JzNz1pCtMsQ>
- Aortic Stenosis - Murmur Sound & Animation https://www.youtube.com/watch?v=GGiQloZMQ_k

Thrombocytopathy

- Thrombocytopaenia (low platelets) Overview - platelet physiology, classification, pathophysiology https://www.youtube.com/watch?v=JF4ERKr_CnI