

**Program of Study** : Dentistry

**Course** : Internal Medicine 3

**Abbreviation** : **IN3/ZAA11**

**Schedule** : **30 less. of seminars**  
**30 less. of exercises**

**Course Distribution** : **4th year, Winter Semester**

**Number of Credits** : 3

**Course Form** : Seminars, exercises

**Leading teacher:** Prof. MUDr. P. Horák, CSc.  
**Teachers :** Prof. MUDr. V. Ščudla, CSc.  
Prof. MUDr. E. Faber, CSc.  
Prof. MUDr. D. Karásek, Ph.D.  
Doc. MUDr. M. Halenka, Ph.D.  
Doc. MUDr. J. Bačovský, CSc.  
MUDr. D. Galuszková, Ph.D.  
MUDr. A. Hluší, Ph.D.  
MUDr. J. Schovánek, Ph.D.  
MUDr. R. Metelka, Ph.D.  
MUDr. S. Genzor, Ph.D.  
MUDr. V. Lošťáková, Ph.D.  
MUDr. J. Vymětal, Ph.D.  
MUDr. Ľ. Cibičková, Ph.D.  
MUDr. M. Hrubý  
MUDr. V. Klementa  
MUDr. J. Smítal  
MUDr. R. Dohnal  
MUDr. J. Videman  
MUDr. E. Kurašová  
MUDr. A. Skoumalová  
MUDr. J. Štěpán  
MUDr. L. Vráblová

**Seminars (S): take place in the lecture room of the 3<sup>rd</sup> Department of Internal medicine – Dept. 39A (first floor) 9.25-11 h.**

**Study: even weeks between 20.9. and 17.12.2021 (i.e. calendar week 38-50). Substitution practical classes take place in the first calendar week of 2020.**

<b>Day</b>	<b>Subject</b>	<b>No. of Less.</b>	<b>Teacher</b>
19.9.2022	1. Basic investigation methods in nephrology. 2. Diabetic nephropathy, chronic glomerulopathies, tubulointerstitial nephritides.	1.11 1.11	Dr. Klementa (Dr. Štěpán)
23.9.2022	1. Bleeding disorders. 2. Principles of optimal hemotherapy.	1.11 1.11	Dr. Hluší Prim. Galuszková (Dr. Smital)
3.10. 2022	1. Basic tests and procedures in haematology. 2. Disorders of immune system and non-malignant conditions in haematology.	1.11 1.11	Dr. Vráblová
7.10.2022	1. Haematologic malignancies. 2. Stomatologic complications of treatment in haematology.	1.11 1.11	Dr. Vráblová
17.10.2022	1. Pulmonary embolism. 2. Metabolic bone diseases (osteoporosis and osteomalacia).	1.11 1.11	Dr. Vymětal (Dr. Metelka) Prof. Ščudla (prof. Horák)
21.10.2022	1. Disorders of hypothalamic-pituitary system. Adrenal diseases. 2. Disorders of thyroid and parathyroid glands	1.11 1.11	Dr. Schovánek (doc. Halenka) Dr. Halenka (Dr. Schovánek)
31.10.2022	1. Inflammatory joint diseases, systemic lupus erythemathodes and other connective tissue disorders. 2. Osteoarthritis, spondylarthropathies and gout in neck region.	1.11 1.11	Prof. Horák (Dr. Skácelová) Dr. Skácelová (prof. Horák)
4.11.2022	1. Disorders of acid-base balance. 2. Differential diagnosis of conscious disorders and fever states.	1.11 1.11	Dr. Kurašová (Dr. Cibičková) Dr. Skoumalová (prof. Horák)
14.11.2022	1. Respiratory insufficiency, COPD, Asthma 2. Pneumonias, Lung tumours	1.11 1.11	Dr. Genzor (Dr. Lošťáková)
18.11.2022	1. Atherosclerosis and disorders of lipid metabolism. 2. Acute cardiovascular events. Cardiopulmonary resuscitation.	1.11 1.11	Dr. Kovářová (Dr. Cibičková) Dr. Metelka (Dr. Vymětal)

28.11.2022	1. Diabetes mellitus – type 1 and 2. Complications and treatment. 2. Hyperglycaemic, hyperosmolar and hypoglycaemic states.	1.11 1.11	Dr. Dohnal (Dr. Cibičková)
2.12.2022	1. Presentations of internal diseases in orofacial region. 2. Renal transplantation and its stomatological complications	1.11 1.11	Dr. Videman (Dr. Kovářová) Dr. Hrubý (Dr. Žamboch)
12.12.2022	1. Acute kidney injury and chronic kidney disease. 2. Overview of most common poisonings – first aid.	1.11 1.11	Dr. Štěpán (doc. Krejčí) Prof. Karásek (Dr. Vymětal)
16.12.2022	1. Pharmacotherapy in internal medicine and oral health care  2. Cardiopulmonary resuscitation in dentist praxis	1.11 1.11	Dr. Schovánek (Dr. Orság)  Dr. Vymětal (Dr. Metelka)

### **Practical exercises: 7.45-9.20 h.**

**Tutor: MUDr. J. Schovánek, Ph.D.**

**Date: even weeks between 19.9. and 16.12.2022 (i.e. 39<sup>th</sup> - 51<sup>th</sup> calendar week). Substitution practical classes take place in the week from 2.1.2023 to 6.1.2023 (i.e. 1<sup>st</sup> calendar week).**

The content of the practical exercise is the elaboration of a complete medical record, including anamnesis, design of a diagnostic and treatment plan. The practice also includes a written description of the EKG curve or X-ray image.

The practical exercise is divided into an individual part devoted to the processing of the above documents and a part devoted to the analysis of patients with the teacher and associated with the control of findings presented by the student. Participation in the practical exercise is recognized only on the basis of meeting the above prerequisites and an active approach in the analysis of the patient. Within the practical exercise, it is possible to use professional literature - but not to make an extract from the official medical record.

The condition for granting the credit is active completion of a given number of practical exercises in a given block.

Missing practice can be completed in justified cases (illness, exam) after agreement with the teaching doctor during a further block in due time. Part of each practical exercise is a check of the findings as well as a check of the student's skills and knowledge.

During the practical part of the exam, the student's ability to take the anamnesis, perform a physical examination of the patient in full, as well as the elaboration of a medical record, a working diagnostic conclusion and a plan of examination and treatment procedure is verified. Part of the test is also the evaluation of the description of the ECG curve and the image taken by conventional radiological techniques, or some other imaging method (CT, MRI).

**Clinical scenario simulators in Cent Centesimo are also used to verify practical skills.**

Absence from the lessons has to be apologized to the tutor (MUDr. Jan Schovánek, Ph.D.) or secretary by an e-mail ([schovanek.jan@gmail.com](mailto:schovanek.jan@gmail.com) , [marcela.janu@fnol.cz](mailto:marcela.janu@fnol.cz) ), phone (588443361, 588443384) or personally. From 28 seminars one day of absence is tolerated in the case of serious personal matter, two days of absence are tolerated in the case of illness. Longer absence has to be substituted upon an appointment with the tutor (vice tutor). The substitution can contain the work at the department as well as the elaboration of the seminar. It's strongly recommended to resolve the longer and expected absence as soon as possible.

	Block Day	Subject	
		Group A	Group B
1	19.9.2022	Introduction	
2	23.9.	NEPHROLOGY – 39 C	Jakub Štěpán, MD
3	3.10.	GENERAL INT. DEPT. 39 A	Jakub Videman, MD
4	7.10.	GENERAL INT. DEPT. 39 A	Adéla Skoumalová, MD
5	17.10.	ENDOCRINOLOGY- 39B	Jan Schovánek, MD
6	21.10.	GENERAL INT. DEPT. 39 A	Ester Kurašová, MD
7	31.10.	DIABETOLOGY - 39B	Roman Dohnal, MD
8	4.11.	DIABETOLOGY - 39B	Roman Dohnal, MD
9	14.11.	RHEUMATOLOGY - 39 R	Adéla Skoumalová, MD
10	18.11.	NEPHROLOGY – 39 C	Ester Kurašová, MD
11	28.11.	RHEUMATOLOGY - 39 R	Jakub Videmna, MD
12	2.12.	INTENSIVE CARE UNIT	Jiří Vymětal, MD
13	12.12.	NEPHROLOGY – 39 C	Jakub Štěpán, MD
14	16.12.	Final evaluation – Jan Schovánek, MD	