

Program of Study : General Medicine
Course : Internal Medicine III, **A1**
Abbreviation : **IN3/VA012**
Schedule : **1st block: 15.11.-26.11.2021**
2nd block: 29.11. -10.12.2021
Course Distribution : 5 year, 9 and 10 semester,
Number of Credits : 10
Course Form : Lectures (10), seminars (50), exercises (60)

Seminars (S) and lectures (L):

Leading teacher: Prof. MUDr. P. Horák, CSc.
Teachers : Prof. MUDr. V. Ščudla, CSc.
Prof. MUDr. K. Indrák, DrSc.
Prof. MUDr. T. Papajík, CSc.
Prof. MUDr. E. Faber, CSc.
Doc. MUDr. J. Bačovský, CSc
Doc. MUDr. Z. Fryšák, CSc.
Prof. MUDr. D. Karásek, Ph.D
Doc. MUDr. K. Krejčí, Ph.D
Prof. MUDr. V. Procházka, Ph.D
Doc. MUDr. T. Szotkowski, Ph.D
Doc. MUDr. A. Hluší, Ph.D
Doc. MUDr. M. Halenka, Ph.D
MUDr. D. Galuszková, Ph.D
MUDr. L. Raida, Ph.D
MUDr. R. Metelka, Ph.D
MUDr. J. Vymětal, Ph.D
MUDr. L. Cibičková, Ph.D.
MUDr. K. Žamboch, Ph.D.
MUDr. J. Schovánek, Ph.D.
MUDr. M. Skácelová, Ph.D.
MUDr. J. Orság, Ph.D.
MUDr. D. Kovářová, Ph.D.
MUDr. M. Bradáčová
MUDr. R. Machová
MUDr. Z. Kosatíková
MUDr. M. Hrubý
MUDr. O. Krystyník
MUDr. D. Číhalíková
MUDr. V. Klementa
MUDr. A. Skoumalová
MUDr. J. Videman

Study: Block
1st Blocks date: 15. 11. - 26. 11.2021

Start of teaching block take place in the lecture room of the 3rd Department of Internal Medicine - Dept. 39 A (first floor) 15.11. 2021 7,45 h.

Starting of teaching block, lectures (L) and seminars (S1, S2) take place in the lecture room of the 3rd Department of Internal Medicine (3RD IC) - 22.11. – 10.12.2021 or Department of Haematooncology (DoH) - 15.11. - 19.11.2021, new building P, 3rd floor, room A_P303260

	Block Day	Subject	No. of Less.	Teacher
1	<u>15.11.2021</u> (7.40 –8.00) (3RD IC)	Start of teaching block		Dr. Vymětal (Dr. Schovánek)
	S1 (8.00 -9.00) (DoH)	Acute leukaemias, myelodysplastic syndrome	1.7	Dr. Machová (Doc. Szotkowski)
	S2 (11.45-13:00) (DoH)	Hereditary and acquired haemolytic anaemias, haemoglobinopathies	1.3	Prof. Indrák (Dr. Raida)
2	<u>16.11.2021</u>	Chronic myeloid leukaemia, Ph-negative myeloproliferative disorders	1.7	Prof. Faber (Prof. Indrák)
	S1 (7.45-9.00) (DoH)			
	S2 (11.45-13:00) (DoH)	Diagnostics, classification and treatment of bleeding disorders	1.3	Dr. Hluší (Dr. Bradáčová)
3	<u>17.11.2021</u>	HOLIDAY		
4	<u>18.11.2021</u>	Polycythaemia vera and other polycythemia, differential diagnosis and therapy	1.7	Prof. Indrák (Prof. Faber)
	S1 (7.45-9.00) (DoH)			
	S2 (11.45-13:00) (DoH)	Chronic lymphoproliferative disorders	1.3	Prof. Procházka (Prof. Papajík)
5	<u>19.11.2021</u>	Diagnosis and treatment of monoclonal gamapathies	1.7	Doc. Bačovský (Prof. Ščudla)
	S1 (7.45-9.00) (DoH)			

	S2 (11.45-13:00) (DoH)	Primary (AL) and secondary amyloidosis	1.3	Doc. Bačovský (Prof. Ščudla)
6	<u>22.11.2021</u> S1 (8.00-9.15)	Examination methods in nephrology	1.7	Doc. Krejčí (Dr. Žamboch)
	L (11.45-13:00)	Acute kidney injury and contrast induced nephropathy	1.3	Dr. Žamboch (Doc. Krejčí)
7	<u>23.11.2021</u> S1 (8.00-9.15)	Acute and chronic tubulointerstitial nephritides and tubular disorders	1.7	Dr. Hrubý (Dr. Orság)
	L (11.45-13:00)	Diagnosis and treatment of fluid and electrolyte disorders	1.3	Dr. Metelka (Dr. Vymětal)
8	<u>24.11.2021</u> S1 (8.00-9.15)	Acute and rapid progressive glomerulonephritides	1.7	Dr. Klementa (Dr. Orság)
	S2 (11.45-13:00)	Diabetic nephropathy and vascular kidney disorders	1.3	Dr. Žamboch (doc. Krejčí)
9	<u>25.11.2021</u> S1 (8.00-9.15)	Haemodialysis, peritoneal dialysis and other blood purification methods	1.7	Dr. Orság (Dr. Hrubý)
	S2 (11.45-13:00)	Diagnosis and treatment of fluid and acid base disorders	1.3	Dr. Vymětal (Dr. Metelka)
10	<u>26.11.2021</u> S1 (8.00-9.15)	Epidemiology, etiology and clinical picture of chronic kidney disease	1.7	Dr. Orság (Dr. Klementa)
	S2 (11.45-13:00)	Kidney transplantation	1.3	Doc. Krejčí (Dr. Žamboch)

2nd Block Date 29.11. -10.12.2021

	Block Day	Subject	No. of Less.	Teacher
1	<u>29.11.2021</u> S1 (8.00-9.15)	Examination methods in rheumatology	1.7	Prof. Horák (Dr. Skoumalová)
	S2 (11.45-13:00)	Pharmacotherapy of rheumatic diseases (NSA, intraarticular therapy, glucocorticoids, sDMARDs, bDMARDs, therapy in pregnancy)	1.3	Prof. Horák (Dr. Videman)

2	<u>30.11. 2021</u> S1 (7.45-9.00)	Systemic lupus erythematosus, antiphospholipid syndrome, Sjögren's syndrome	1.7	Prof. Horák (Dr. Skoumalová)
	S2 (11.45-13:00)	Systemic scleroderma, idiopathic myositis, overlap syndromes	1.3	Prof. Horák (Dr. Videman)
3	<u>1.12.2021</u> S1 (7.45-9.00)	Osteoarthritis, crystal induced arthritis, soft tissue rheumatism	1.7	Prof. Ščudla (Dr. Skácelová)
	L (11.45-13:00)	Vasculitides	1.3	Prof. Horák (Dr. Videman)
4	<u>2.12.2021</u> S1 (7.45-9.00)	Rheumatoid arthritis and juvenile idiopathic arthritis	1.7	Prof. Horák (Dr. Skácelová)
	S2 (11.45-13:00)	Seronegative spondyloarthritis (ankylosing spondylarthritis, psoriatic arthritis, reactive arthritis), infection and arthritis	1.3	Prof. Horák (Dr. Skácelová)
5	<u>3.12.2021</u> S1 (7.45-9.00)	Metabolic bone diseases	1.7	Dr. Skácelová (prof. Horák)
	S2 (11.45-13:00)	Adult onset Still disease, paraneoplastic syndromes, musculoskeletal manifestations of endocrine diseases	1.3	Dr. Skácelová (prof. Horák)
6	<u>6.12.2021</u> S1 (8.00-9.15)	The most important symptoms and examination methods of the endocrine diseases.	1.7	Dr. Schovánek (Dr. Halenka)
	S2 (11.45-13:00)	Hyper- and hypofunction of the pituitary gland, diabetes insipidus.	1.3	Dr. Schovánek (prof. Karásek)
7	<u>7.12.2021</u> S1 (8.00-9.15)	Hypothyroidism, hyperthyroidism, inflammation and tumours of the thyroid gland. Diseases of the parathyroid glands	1.7	Doc. Halenka (Dr. Schovánek)
	S2 (11.45-13:00)	Diseases of the adrenal medulla and cortex.	1.3	Prof. Karásek (Dr. Schovánek)
8	<u>8.12.2021</u> S1 (8.00-9.15)	Classification and treatment of hyperlipidemias	1.7	Dr. Cibičková (Dr. Kovářová)

	S2 (11.45-13:00)	Diagnosis and classification of diabetes mellitus. Acute complications of diabetes.	1.3	Prof. Karásek (Dr. Krystyník)
9	<u>9.12.2021</u> S1 (8.00-9.15)	Treatment of type 1 and type 2 diabetes	1.7	Dr. Krystyník (Prof. Karásek)
	S2 (11.45-13.00)	Monitoring of the efficiency of diabetes treatment. The development of the clinical picture, glycated hemoglobin (HbA1c), glycemic profile, conventional self monitoring with glucometer, CGMS (Continuous Glucose Monitoring System).	1.3	Dr. Schovánek (Dr. Krystyník)
10	<u>10.12.2021</u> S1 (8.00-9.15)	Chronic complications of diabetes. Neuropathy, angiopathy. Specific microvascular complications. Diabetic foot syndrome.	1.7	Dr. Krystyník (Dr. Číhalíková)
	S2 (11.45-13.00)	Obesity, the treatment options.	1.3	Dr. Cibičková (Dr. Schovánek)

Practical exercises (9.15-11.30):

Leading Teacher : MUDr. Jiří Vymětal, Ph.D.

1st block: 15.11.-26.11.2021

2nd block: 29.11. -10.12.2021

	Block Day	Subject	No. of Less.
1	15.11.2021	Internal Medicine 39A	3
2	16.11.2021	Dep. of Hematooncology	3
3	17.11.2021	Internal Medicine 39 R-rheumatology HOLIDAY	3
4	18.11.2021	Internal Medicine 39C-nephrology	3
5	19.11.2021	Intensive care unit	3
6	22.11.2021	Haemodialysis	3
7	23.11.2021	Dep. of Hematooncology	3
8	24.11.2021	Internal Medicine 39A	3
9	25.11.2021	Internal Medicine 39R-rheumatology	3
10	26.11.2021	Haemodialysis	3

	Block Day	Subject	No. of Less.
1	29.11. 2021	Internal Medicine 39A	3
2	30.11. 2021	Internal Medicine 39R-rheumatology	3

3	1.12.2021	Internal Medicine 39B –diabetology	3
4	2.12.2021	Intensive care unit	3
5	3.12.2021	Internal Medicine 39A	3
6	6.12.2021	Internal Medicine 39B- diabetology	3
7	7.12.2021	Internal Medicine 39R-rheumatology	3
8	8.12.2021	Internal Medicine 39C-nephrology	3
9	9.12.2021	Internal Medicine 39A	3
10	10.12.2021	Intensive care unit	3

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 the has to be apologized to the tutor (MUDr. J. Vymětal, Ph.D.) or secretary by an e-mail (jiri.vymetal@fnol.cz, marcela.janu@fnol.cz), phone (588445896, 588443384) or personally. From the four weeks block 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 be accomplished within another block (preferred option) or at the end of the term and 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.

Completed by : Credit, Exam

Requirements : Active attendance at exercises and seminars

Literature :

1. Goldmann L., Schafer A.I., Goldman-Cecil Medicine, volume 2. Elsevier, 2020. ISBN 978-0-323-76019-5;
2. Číhalík Č. EKG v klinické praxi. Solen Praha, 2013.
3. Chrobák, L., Gral, T., Kvasnička, J. Physical Examination Internal Medicine. Grada Publishing Praha, Czech Republic, 2003. ISBN 80-247-0617-2

4. Jameson J.L., Fauci A. S., Kasper D. L., et al. Harrison's principles of internal medicine. 20th Edition, volume 1,2. McGraw Hill Education, 2018, ISBN 978-1-259-64403-0
5. Andreoli, Thomas E., Cecil, Russell L. Cecil Essentials of Medicine. Philadelphia, PA : Saunders/Elsevier, 2016. ISBN 9781416061090

Alternative sources:

6. Kaspers DE et al. or Jameson L. et al. Harrison's Principles of Internal Medicine 19/E or 20/Ed, MC Craw-Hill, 19th or 20th Edition. New York, 2015
7. Raftery, A.T. et al. Churchill's pocketbook of differential diagnosis. 2014
8. Kinirons M. et al. French's Index of Differential diagnosis CRC Press. 2016
9. Ralston S. et al. Davidson's Principles and practice of medicine, 23th edition. Elsevier, 2018
10. 'Kumar P., Clark M. Kumar and Clark s Clinical Medicine. Elsevier Books, 2016
11. Wilkonson IB. Oxford handbook of clinical medicine. Oxford university press, 2017
12. 'Fauci, A.S. et al. Harrison's Principles of Internal Medicine. MC Craw-Hill, New York, 2012.

Program of Study : General Medicine
Course : Internal Medicine III, **A3**
Abbreviation : **IN3/VA012**
Schedule : **1st block: 25.4. - 6.5. 2022**
2nd block: 9.5. – 20.5.2022
Course Distribution : 5 year, 9 and 10 semester,
Number of Credits : 10
Course Form : Lectures, seminars, exercises

Seminars (S) and lectures (L):

Leading teacher: Prof. MUDr. P. Horák, CSc.
Teachers : Prof. MUDr. V. Ščudla, CSc.
Prof. MUDr. K. Indrák, DrSc.
Prof. MUDr. T. Papajík, CSc.
Prof. MUDr. E. Faber, CSc.
Doc. MUDr. J. Bačovský, CSc
Doc. MUDr. Z. Fryšák, CSc.
Prof. MUDr. D. Karásek, Ph.D
Doc. MUDr. K. Krejčí, Ph.D
Prof. MUDr. V. Procházka, Ph.D
Doc. MUDr. T. Szotkowski, Ph.D
Doc. MUDr. A. Hluší, Ph.D
Doc. MUDr. M. Halenka, Ph.D
MUDr. D. Galuszková, Ph.D
MUDr. L. Raida, Ph.D
MUDr. R. Metelka, Ph.D
MUDr. J. Vymětal, Ph.D
MUDr. L. Cibičková, Ph.D.
MUDr. K. Žamboch, Ph.D.
MUDr. J. Schovánek, Ph.D.
MUDr. M. Skácelová, Ph.D.
MUDr. J. Orság, Ph.D.
MUDr. D. Kovářová, Ph.D.
MUDr. M. Bradáčová
MUDr. R. Machová
MUDr. D. Mačáková
MUDr. Z. Kosatíková
MUDr. M. Hrubý
MUDr. O. Krystyník
MUDr. D. Číhalíková
MUDr. V. Klementa
MUDr. A. Skoumalová
MUDr. J. Videman

Study: Block
1st Blocks date: 25.4. - 6.5. 2022

Start of teaching block take place in the lecture room of the 3rd Department of Internal Medicine - Dept. 39 A (first floor) 25.4.2022 7,45 h.

Starting of teaching block, lectures (L) and seminars (S1, S2) take place in the lecture room of the 3rd Department of Internal Medicine (3RD IC) – 2. 5. 2022 – 20. 5. 2022 or Department of Haematooncology (DoH) – 25. 4. 2021 – 29. 4. 2022, new building P, 3rd floor, room A_P303260

	Block Day	Subject	No. of Less.	Teacher
1	<u>25.4.2022</u> 7.40 –8.00 (3RD IC)	Start of teaching block		Dr. Vymětal (Dr. Schovánek)
	S1 (8.00 -9.00) (DoH)	Acute leukaemias, myelodysplastic syndrome	1.7	Dr. Machová (Doc. Szotkowski)
	S2 (11.45-13:00) (DoH)	Hereditary and acquired haemolytic anaemias, haemoglobinopathies	1.3	Prof. Indrák (Dr. Raida)
2	<u>26.4.2022</u>			
	S1 (8.00-9.15) (DoH)	Chronic myeloid leukaemia, Ph-negative myeloproliferative disorders	1.7	Prof. Faber (Prof. Indrák)
	S2 (11.45-13.00) (DoH)	Diagnostics, classification and treatment of bleeding disorders	1.3	Dr. Hluší (Dr. Palová)
3	<u>27.4.2022</u>			
	S1 (8.00-9.15) (DoH)	Thrombophilic disorders	1.7	Dr. Bradáčová (Dr. Hluší)
	L (11.45-13.00) (DoH)	Malignant lymphomas	1.3	Prof. Procházka (Prof. Papajík)
4	<u>28.4.2022</u>			
	S1 (8.00-9.15) (DoH)	Polycythaemia vera and other polycythemia, differential diagnosis and therapy	1.7	Prof. Indrák (Prof. Faber)
	S2 (11.45-13:00) (DoH)	Chronic lymphoproliferative disorders	1.3	Prof. Procházka (Prof. Papajík)
5	<u>29.4.2022</u>			

	S1 (8.00-9.15) (DoH)	Diagnosis and treatment of monoclonal gamapathies	1.7	Doc. Bačovský (Prof. Ščudla)
	S2 (11.45-13:00) (DoH)	Primary (AL) and secondary amyloidosis	1.3	Doc. Bačovský (Prof. Ščudla)
6	<u>2.5.2022</u> S1 (8.00-9.15)	Examination methods in nephrology	1.7	Doc. Krejčí. (Dr. Žamboch)
	L (11.45-13:00)	Acute kidney injury and contrast induced nephropathy	1.3	Dr. Žamboch (Doc. Krejčí)
7	<u>3.5.2022</u> S1 (8.00-9.15)	Acute and chronic tubulointerstitial nephritides and tubular disorders	1.7	Dr. Hrubý (Dr. Orság)
	L (11.45-13:00)	Diagnosis and treatment of fluid and electrolyte disorders	1.3	Dr. Metelka (Dr. Vymětal)
8	<u>4.5.2022</u> S1 (8.00-9.15)	Acute and rapid progressive glomerulonephritides	1.7	Dr. Klementa (Dr. Orság)
	S2 (11.45-13:00)	Diabetic nephropathy and vascular kidney disorders	1.3	Dr. Žamboch (doc. Krejčí)
9	<u>5.5.2022</u> S1 (8.00-9.15)	Haemodialysis, peritoneal dialysis and other blood purification methods	1.7	Dr. Orság (Dr. Hrubý)
	S2 (11.45-13:00)	Diagnosis and treatment of fluid and acid base disorders	1.3	Dr. Vymětal (Dr. Metelka)
10	<u>6.5.2022</u> S1 (8.00-9.15)	Epidemiology, etiology and clinical picture of chronic kidney disease	1.7	Dr. Orság (Dr. Klementa)
	S2 (11.45-13:00)	Kidney transplantation	1.3	Doc. Krejčí (Dr. Žamboch)

2nd Block Date 9.5. – 20.5.2022

	Block Day	Subject	No. of Less.	Teacher
1	<u>9.5.2022</u> S1 (8.00-9.15) S2	Examination methods in rheumatology	1.7	Prof. Horák (Dr. Skoumalová)

	(11.45-13:00)	Pharmacotherapy of rheumatic diseases (NSA, intraarticular therapy, glucocorticoids, sDMARDs, bDMARDs, therapy in pregnancy)	1.3	Prof. Horák (Dr. Videman)
2	<u>10.5.2022</u> S1 (8.00-9.15)	Systemic lupus erythematosus, antiphospholipid syndrom, Sjögren´s syndrome	1.7	Prof. Horák (Dr. Skoumalová)
	S2 (11.45-13:00)	Systemic scleroderma, idiopathic myositis, overlap syndromes	1.3	Prof. Horák (Dr. Videman)
3	<u>11.5.2022</u> S1 (8.00-9.15)	Osteoarthritis, crystal induced arthritis, soft tissue rheumatism	1.7	Prof. Ščudla (Dr. Skácelová)
	L (11.45-13:00)	Vasculitides	1.3	Prof. Horák (Dr. Videman)
4	<u>12.5.2022</u> S1 (8.00-9.15)	Rheumatoid arthritis and juvenile idiopathic arthritis	1.7	Prof. Horák (Dr. Skácelová)
	S2 (11.45-13:00)	Seronegative spondyloarthritis (ankylosing spondylarthritis, psoriatic arthritis, reactive arthritis), infection and arthritis	1.3	Prof. Horák (Dr. Skácelová)
5	<u>13.5.2022</u> S1 (8.00-9.15)	Metabolic bone diseases	1.7	Dr. Skácelová (prof. Horák)
	S2 (11.45-13:00)	Adult onset Still disease, paraneoplastic syndromes, musculoskeletal manifestations of endocrine diseases	1.3	Dr. Skácelová (prof. Horák)
6	<u>16.5.2022</u> S1 (8.00-9.15)	The most important symptoms and examination methods of the endocrine diseases.	1.7	Dr. Schovánek (Doc. Halenka)
	S2 (11.45-13:00)	Hyper- and hypofunction of the pituitary gland, diabetes insipidus.	1.3	Dr. Schovánek (Prof. Karásek)
7	<u>17.5.2022</u> S1 (8.00-9.15)	Hypothyroidism, hyperthyroidism, inflammation and tumors of the thyroid gland. Diseases of the parathyroid glands	1.7	Doc. Halenka (Dr. Schovánek)
	S2 (11.45-13:00)	Diseases of the adrenal medulla and cortex.	1.3	Prof. Karásek (Dr. Schovánek)

8	<u>18.5.2022</u> S1 (8.00-9.15)	Classification and treatment of hyperlipidemias	1.7	Dr. Cibičková (Dr. Kovářová)
	S2 (11.45-13:00)	Diagnosis and classification of diabetes mellitus. Acute complications of diabetes.	1.3	Prof. Karásek (Dr. Krystyník)
9	<u>19.5.2022</u> S1 (8.00-9.15)	Treatment of type 1 and type 2 diabetes	1.7	Dr. Krystyník (Prof. Karásek)
	S2 (11.45-13:00)	Monitoring of the efficiency of diabetes treatment. The development of the clinical picture, glycated hemoglobin (HbA1c), glycemic profile, conventional selfmonitoring with glucometer, CGMS (Continuous Glucose Monitoring System).	1.3	Dr. Schovánek (Dr. Krystyník)
10	<u>20.5.2022</u> S1 (8.00-9.15)	Chronic complications of diabetes. Neuropathy, angiopathy. Specific microvascular complications. Diabetic foot syndrome.	1.7	Dr. Krystyník (Dr. Číhalíková)
	S2 (11.45-13:00)	Obesity, the treatment options.	1.3	Dr. Cibičková (Dr. Schovánek)

Practical exercises (9.15-11.30):

Leading Teacher : MUDr. Jiří Vymětal, Ph.D.

Study : Block

Block Date: 25.4. – 6.5. 2022 and 9.5. – 20.5. 2022

	Block Day	subject	No. of Less.
1	25.4.2022	Internal Medicine 39A	3
2	26.4.	Department of Hematooncology	3
3	27.4.	Dep. of Hematooncology	3
4	28.4.	Internal Medicine 39B-nephrology	3
5	29.4.	Intensive care unit	3
6	2.5.	Internal Medicine 39A	3
7	3.5.	Department of Hematooncology	3
8	4.5.	Internal Medicine 39A	3
9	5.5.	Internal Medicine 39A-rheumatology	3
10	6.5.	Haemodialysis	3

	Block Day	Subject	No. of Less.
1	9.5.2022	Internal Medicine 39A	3
2	10.5.	Internal Medicine 39A-rheumatology	3
3	11.5.	Internal Medicine 39B-diabetology	3
4	12.5.	Intensive care unit	3
5	13.5.	Internal Medicine 39A	3
6	16.5.	Internal Medicine 39B-diabetology	3
7	17.5.	Internal Medicine 39A-rheumatology	3
8	18.5.	Internal Medicine 39B -nephrology	3
9	19.5.	Internal Medicine 39A	3
10	20.5.	Intensive care unit	3

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 the has to be apologized to the tutor (MUDr. J. Vymětal, Ph.D.) or secretary by an e-mail (jiri.vymetal@fnol.cz, marcela.janu@fnol.cz), phone (588445896, 588443384) or personally. From the four weeks block 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 be accomplished within another block (preferred option) or at the end of the term and 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.

Completed by : Credit, Exam

Requirements : Active attendance at exercises and seminars

Literature :

1. Goldmann L., Schafer A.I., Goldman-Cecil Medicine, volume 2. Elsevier, 2020. ISBN 978-0-323-76019-5;
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3. Chrobák, L., Gral, T., Kvasnička, J. Physical Examination Internal Medicine. Grada Publishing Praha, Czech Republic, 2003. ISBN 80-247-0617-2
4. Jameson J.L., Fauci A. S., Kasper D. L., et al. Harrison's principles of internal medicine. 20th Edition, volume 1,2. McGraw Hill Education, 2018, ISBN 978-1-259-64403-0
5. Andreoli, Thomas E., Cecil, Russell L. Cecil Essentials of Medicine. Philadelphia, PA : Saunders/Elsevier, 2016. ISBN 9781416061090

Alternative sources:

6. Kaspers DE et al. or Jameson L. et al. Harrison's Principles of Internal Medicine 19/E or 20/Ed, MC Craw-Hill, 19th or 20th Edition. New York, 2015
7. Raftery, A.T. et al. Churchill's pocketbook of differential diagnosis. 2014
8. Kinirons M. et al. French's Index of Differential diagnosis CRC Press. 2016
9. Ralston S. et al. Davidson's Principles and practice of medicine, 23th edition. Elsevier, 2018
10. Kumar P., Clark M. Kumar and Clark s Clinical Medicine. Elsevier Books, 2016
11. Wilkonson IB. Oxford handbook of clinical medicine. Oxford university press, 2017
12. Fauci, A.S. et al. Harrison's Principles of Internal Medicine. MC Craw-Hill, New York, 2012.