

Program of Study : General Medicine

Course : Clinical Immunology and Allergology

Abbreviation : KIM/ VAA13

Schedule : 9 hours of seminars
6 hours of exercises

Course Distribution : 4th year, 7th term

Number of Credits : 2

Course Form : Seminars and exercises

Seminars:

Group A1

Teachers: prof. MUDr. Mgr. Milan Raška, Ph.D.
prof. MUDr. František Kopřiva, Ph.D.
odb. as. MUDr. Zuzana Heřmanová, Ph.D.
odb. as. MUDr. Beáta Hutýrová, Ph.D.
odb. as. MUDr. Mojmír Račanský
odb. as. MUDr. Jaroslava Braunová, Ph.D.
odb. as. Mgr. Michal Křupka, Ph.D.

Teaching: block

Time: 8.00 – 10.15

	Date/room	Topic	Hours	Teacher
1	Wednesday 23.11.2022 TD-2.520	Definition of the clinical immunology, links to other disciplines. Allergology: Astma bronchiale – causes, symptoms, treatment. Seasonal and persistent allergic rhinitis, food allergy, drug allergy, histamine intolerance - causes, symptoms, treatment. Allergy to poisonous insect disease, anaphylactic reaction - causes, symptoms, treatment. Allergen immunotherapy	3	MUDr. Mojmír Račanský
2	Thursday 24.11.2022 TD-2.518	Primary and secondary immunodeficiencies – types of diseases, possibilities of immunological intervention. Possibilities of immunological	3	MUDr. Beáta Hutýrová, Ph.D. prof. MUDr. František Kopřiva, Ph.D.

		intervention in cancer		prof. MUDr. Mgr. Milan Raška, Ph.D.
3	Friday 25.11.2022 TD-2.518	Autoimmune diseases - overview, systemic autoimmune diseases, possibilities of immunological intervention, organ-specific and organ-localized autoimmune diseases. Immunostimulation and Immunomodulation - vaccination, biological therapy, current possibilities of immunological intervention - overview. Credit test.	3	MUDr. Zuzana Heřmanová, Ph.D. Mgr. Michal Křupka, Ph.D.

Group A2

Teachers: prof. MUDr. Mgr. Milan Raška, Ph.D.
prof. MUDr. František Kopřiva, Ph.D.
odb. as. MUDr. Zuzana Heřmanová, Ph.D.
odb. as. MUDr. Beáta Hutýrová, Ph.D.
odb. as. MUDr. Mojmír Račanský
odb. as. MUDr. Jaroslava Braunová, Ph.D.
odb. as. Mgr. Michal Křupka, Ph.D.

Teaching: block

Time: 8.00 – 10.15

	Date/room	Topic	Hours	Teacher
1	Monday 23.1.2023 TD-2.520	Definition of the clinical immunology, links to other disciplines. Allergology: Astma bronchiale – causes, symptoms, treatment. Seasonal and persistent allergic rhinitis, food allergy, drug allergy, histamine intolerance - causes, symptoms, treatment. Allergy to poisonous insect disease, anaphylactic reaction - causes, symptoms, treatment. Allergen immunotherapy	3	MUDr. Mojmír Račanský
2	Tuesday 24.1.2023 TD-2.520	Primary and secondary immunodeficiencies – types of diseases, possibilities of immunological intervention. Possibilities of immunological intervention in cancer	3	MUDr. Beáta Hutýrová, Ph.D. prof. MUDr. František Kopřiva, Ph.D. prof. MUDr. Mgr. Milan Raška, Ph.D.
3	Wednesday 25.1.2023	Autoimmune diseases - overview, systemic autoimmune diseases, possibilities of immunological intervention, organ-specific and organ-	3	MUDr. Zuzana Heřmanová, Ph.D. Mgr. Michal Křupka, Ph.D.

TD-2.520	localized autoimmune diseases. Immunostimulation and Immunomodulation - vaccination, biological therapy, current possibilities of immunological intervention - overview.		
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Practical exercises:

Group A1

Teachers: prof. MUDr. Mgr. Milan Raška, Ph.D.
odb. as. MUDr. Beáta Hutýrová, Ph.D.
odb. as. MUDr. Mojmír Račanský
odb. as. MUDr. Jaroslava Braunová, Ph.D.
odb. as. Mgr. Michal Křupka, Ph.D.

Teaching: Block
Čas: 11.00 – 12.30 hod.

	Date/room	Topic/teacher	Poč. hod.
1	Wednesday 23.11.2022 CENTESIMO	Clinical allergology I Anaphylactic reaction – practice of intervention in the anaphylactic reaction MUDr. Račanský, MUDr. Braunová	2
2	Thursday 24.11.2022 Building F, teaching room	Clinical allergology II Practical demonstration of examination methods in allergology - skin tests MUDr. Hutýrová, prof. Raška	2
3	Friday 25.11.2022 Building F, teaching room	Clinical immunology Selected commented case reports, consultations Credit test MUDr. Braunová, Mgr. Křupka	2

Group A2

Teachers: prof. MUDr. Mgr. Milan Raška, Ph.D.
odb. as. MUDr. Beáta Hutýrová, Ph.D.
odb. as. MUDr. Mojmír Račanský
odb. as. MUDr. Jaroslava Braunová, Ph.D.
odb. as. Mgr. Michal Křupka, Ph.D.

Teaching: Block
Čas: 11.00 – 12.30 hod.

	Date/room	Topic/teacher	Poč. hod.
1	Monday 23.1.2023 CENTESIMO	Clinical allergology I Anaphylactic reaction – practice of intervention in the anaphylactic reaction MUDr. Račanský, MUDr. Braunová	2
2	Tuesday 24.1.2023 Building F, teaching room	Clinical allergology II Practical demonstration of examination methods in allergology - skin tests MUDr. Hutýrová, prof. Raška	2
3	Wednesday 25.1.2023 Building F, teaching room	Clinical immunology Selected commented case reports, consultations Credit test MUDr. Braunová, Mgr. Křupka	2

The practical training includes excursions into the laboratory, therefore, each student must have the coat, slippers and a identification card (badge) !!!

Requirements:

- 100% attendance on all seminars and tutorials,
- 80% of the points in the final test
- management of suspected anaphylaxis and recognition of symptoms on simulator is required to obtain the credit

Completed by: Examination

Literature :

Rabson A, Roitt IM, Delves PJ (2004): Really Essential Immunology, Blackwell Publishing Ltd. 9781405121156

Murphy K. (2016) Janeway's Immunobiology, 9th Ed. Taylor & Francis Ltd. 9780815345510