

Department of Clinical Immunology,
Wrocław Medical University
ul. Chałubińskiego 5, 50-368 Wrocław
tel.: 71 784 17 40, e-mail: agnieszka.czerniawska@umw.edu.pl
Head: prof. dr hab. Marek Jutel

CLINICAL IMMUNOLOGY COURSE PROGRAM
Faculty of Medicine, 2nd year, AY 2022/2023

Students are asked to check MS TEAMS regularly for information including educational materials.

MS TEAMS: Clinical Immunology 2yED (main channel and group channel)

<https://teams.microsoft.com/l/channel/19%3afxUDFEFmaiNbiMxy4YsrgbDWisWBJb-fjwA65VVvkGg1%40thread.tacv2/Og%25C3%25B3lnv?groupId=39bcb191-c8af-436f-b8c2-189349f4df6f&tenantId=c49499a2-f68e-48a6-8885-7b5d4eaa01a3>

LECTURES

Day & Time: Mondays, 9:45-11:15, MS TEAMS: Clinical Immunology 2yED (main channel)

| | date | topic |
|----|-------------------|---|
| 1 | 03.10.2022 | General information on the subject Immunology. The human immune system – characteristics of the immune response cells. Prof. Marek Jutel, MD |
| 2 | 10.10.2022 | Nonspecific cellular and humoral immunity. Ewa Wyrodek, PhD |
| 3 | 17.10.2022 | Specific (adaptive) immune response. The major histocompatibility complex HLA. Paweł Gajdanowicz, PhD |
| 4 | 24.10.2022 | The anti-infectious immunity. Vaccines. Magdalena Zemelka-Wiącek, PhD |
| 5 | 17.11.2022 | Primary and secondary immune deficiencies. Prof. Marek Jutel, MD |
| 6 | 14.11.2022 | The mechanisms of the immune response regulation. The role of cytokines. Prof. Marek Jutel, MD |
| 7 | 21.11.2022 | Hypersensitivity type I, II, III and IV. The immune tolerance. Prof. Marek Jutel, MD |
| 8 | 28.11.2022 | Mechanisms of autoimmune diseases. Prof. Marek Jutel, MD |
| 9 | 05.12.2022 | The basics of the transplant immunity. Prof. Marek Jutel, MD |
| 10 | 12.12.2022 | Basics of tumor immunity. Ewa Sobańska, PhD |

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CLASSES AND SEMINARS

Where to go: Department of Clinical Immunology, ul. Tytusa Chałubińskiego 5, Wrocław.

Day & Time:

- CN 1 → Thursdays 15:00 - 18:00
- CN 2 → Thursdays 15:00 - 18:00
- CN 3 → Tuesdays 12:00 - 15:00
- CN 4 → Tuesdays 12:00 - 15:00
- CN 5 → Tuesdays 12:00 - 15:00
- CN 6 → Tuesdays 12:00 - 15:00
- CN 7 → Tuesdays 9:00 – 12:00
- CN 8 → Tuesdays 9:00 – 12:00
- CN 9 → Tuesdays 9:00 – 12:00

| | date | topic |
|---|--|--|
| 1 | 04.10.2022 (CN 3-9) 06.10.2022 (CN 1-2) | General conditions and regulations of the Immunology course. OHS. Introduction to the immunology. The structure and basics of the immune system functioning. Possibilities of the immune parameters assessment. |
| 2 | 11.10.2022 (CN 3-9) 13.10.2022 (CN 1-2) | Cellular immunity – cell isolation assays, cell immunophenotype assessment. Flow cytometry. (lab coat obligatory) |
| 3 | 18.10.2022 (CN 3-9) 20.10.2022 (CN 1-2) | Cellular immunity - the functional assessment of immune competent cells. |
| 4 | 25.10.2022 (CN 3-9) 27.10.2022 (CN 1-2) | Humoral immunity - innate and adaptive. Antibodies, the complement system, cytokines assessment. |
| 5 | 03.11.2022 (CN 1-2) 08.11.2022 (CN 3-9) | Immune deficiencies. Diagnostics of primary and secondary immune deficiencies. (lab coat obligatory) |
| 6 | 10.11.2022 (CN 1-2) 15.11.2022 (CN 3-9) | SEMINAR I Tumour immunity. Diagnostics and monitoring of the proliferative disease treatment. Reproductive immunology (Students prepare presentations on given topics) Mid-term colloquium I (topics: class 1-5) |
| 7 | 17.11.2022 (CN 1-2) 22.11.2022 (CN 3-9) | Hypersensitivity. Gell and Coombs classification. Allergic reactions and diagnostics. (lab coat obligatory) |

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|----|--|---|
| 8 | 24.11.2022 (CN 1-2) 29.11.2022 (CN 3-9) | Hypersensitivity – autoaggression. Detection of organ-specific and organ-non-specific autoantibodies. (lab coat obligatory) |
| 9 | 01.12.2022 (CN 1-2) 06.12.2022 (CN 3-9) | Immune aspects of respiratory and digestive tract diseases. |
| 10 | 08.12.2022 (CN 1-2) 13.12.2022 (CN 3-9) | Immune aspects of circulatory and nervous system diseases. |
| 11 | 15.12.2022 (CN 1-2) 20.12.2022 (CN 3-9) | Immunohematology – selected aspects. Immune aspects of transplantation. |
| 12 | 22.12.2022 (CN 1-2) 10.01.2023 (CN 3-9) | SEMINAR II Immune therapies in allergic, autoimmune and neoplastic diseases. (Students prepare presentations on given topics) Mid-term colloquium I (topics: class 7-11) |
| 13 | 12.01.2023 (CN 1-2) 17.01.2023 (CN 3-9) | Final credit colloquium (topics 1-12) |
| 14 | 19.01.2023 (CN 1-2) 24.01.2023 (CN 3-9) | Colloquium work-up/re-take. Course credits. |

CLINICAL IMMUNOLOGY EXAM

To be decided, during the winter session:

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|---------------------|-------------------------|
| EXAM I term | 03.02.2023 – 19.02.2023 |
| EXAM RETAKE I term | 27.02.2023 – 12.03.2023 |
| EXAM RETAKE II term | |

The representative of the year is asked to provide the dates of the exams by the end of November 2022 in order to book the lecture hall (by writing an email to: [magdalena.zemelka-wiacek@umw.edu.pl](mailto:magdalenazemelka-wiacek@umw.edu.pl))