

*Transfusiology course for medical students*

**May 7-11, 2018**

<b>Monday, May 7</b>		
9.00–9.45h	Introduction, the history of transfusion medicine	Dr. Tordai Attila
9.50–10.35h	The molecular structure and physiological role of red cell antigens	Dr. Andrikovics Hajnalka
10.40–11.25h	Immunological introduction: basic mechanisms important in transfusion medicine, immune response to incompatible transfusion	Dr. Tamási Viola
12.00–12.45h	Red cell, platelet and granulocyte antigen systems	Dr. Gazdag Éva
12.50–13.35h	The blood group serology compatibility	Dr. Gazdag Éva
12.50–13.35h	Plasticity of stem cells, regenerative medicine	Dr. Tordai Attila
13.40–14.25h	Introduction of the HLA system, diagnostics in transplantation immunogenetics	Dr. Tordai Attila

<b>Tuesday, May 8</b>		
9.00–9.45h	Red cell, platelet and granulocyte antigen systems	Dr. Gazdag Éva
9.50–10.35h	The blood group serology compatibility	Dr. Gazdag Éva
10.40–11.25h	Immunomodulation effects of transfusion	Dr. Borka Péter
12.20–13.05h	Non immunological complications of transfusions: circulatory and iron overload	Dr. Farkas Péter
13.10–13.55h	Red cell, platelet, granulocyte and plasma blood products: manufacturing, storage, quality parameters	Dr. Baróti-Tóth Klára
14.00–14.45h	Generation and clinical use of albumin and immunoglobulin blood products	Dr. Kriván Gergely

<b>Wednesday, May 9</b>		
9.00–9.45h	Options for blood saving, peri-operative blood collection	Dr. Fazakas János
9.50–10.35h	Solid organ transplantation and its transfusion aspects (complications, case reports)	Dr. Fazakas János
10.40–11.25h	Blood donors, blood letting for donation, donor screening, risk assessment and reduction, international trends	Dr. Kalász László
12.20–13.05h	Immunological complications of transfusions: hemolytic and non hemolytic	Dr. Gazdag Éva
13.10–13.55h	Challenges and approaches of blood supply management, international examples	Dr. Nagy Sándor
14.00–14.45h	Transfusion aspects of cardiac surgery (complications, case reports)	Dr. Hartyánszky István

<b>Thursday, May 10</b>		
9.00–9.45h	Transfusion aspects of the coagulation system, generation and clinical application of coagulation factor products	Dr. Hauser Balázs
9.50–10.35h	Effects of massive transfusion, factor substitution in acquired bleeding disorders	Dr. Hauser Balázs
10.40–11.25h	Steps and practices of transfusion execution, international outlook	Dr. Hauser Balázs
12.20–13.05h	Treatment and long term care in inherited coagulation disorders.	Dr. Nemes László
13.10–13.55h	Infectious diseases transmitted by transfusion, epidemiology, screening, prevention	Dr. Sinkó János
14.00–14.45h	Hungarian and international legal aspects of transfusion medicine	Dr. Réti Marienn

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<b>Friday, Jan 5</b>		
9.00–9.45h	Indications of red cell transfusion	Dr. Réti Marienn
9.50–10.35h	Alternatives to red cell transfusion: stimulation of red cell formation	Dr. Réti Marienn
10.40–11.25h	Indications of platelet and granulocyte transfusions	Dr. Réti Marienn
11.30–12.15h	Apheresis and photopheresis	Dr. Réti Marienn
13.00h–14.30h	MCQ test, NET ground floor, computer rooms	