

## “Understanding of Modern Haematology: Focus on Monoclonal Gammopathies”

Workshop: September 7-9, 2015

Department of Haematology, University Hospital Ostrava

Address: 17. listopadu 1790, 708 52 Ostrava

<b>Programme</b>		
<b>Timings</b>	<b>Sessions</b>	<b>Speakers</b>
<b>Monday 7 September</b>		
<b>8.00 – 13.00</b>	<b>Theoretical part:</b>	
	Understanding of pathogenesis of monoclonal gammopathy	Roman Hájek
	Principle of monoclonal gammopathy diagnosis	Roman Hájek
	Novel genomics methods in multiple myeloma: how can we understand them?	Sabina Ševčíková
	What is the difference between abnormal and clonal plasma cells?	Lucie Říhová
	Detection of MRD in Multiple Myeloma – how and why? (genetic methods vs. flowcytometry)	Sabina Ševčíková/Lucie Říhová
	Free Light Chain and Hevylite assays in monoclonal gammopathies: why and when to use It?	Tomáš Pika
	What are specific diagnostic tools for IgM MGUS and MorbusWaldenström?	Michal Kaščák
	What are specific diagnostic tools for AL amyloidosis?	Tomáš Pika
<b>13.00 - 14.00</b>	<b>Lunch</b>	
<b>14.00 – 15.30</b>	<b>Practical part:</b>	
	Biobanking/haematopoietic cells processing before transplantation (2 groups/45 min each topic)	Petra Vrublová/Jana Smejkalová/Lucie Adamusová
<b>15.30 - 15.45</b>	<b>Coffee break</b>	
<b>15.45 – 17.00</b>	What is it means? Interpretation of diagnostic results (Cut off value for FISH, cut off value for clonal cells in monoclonal gammopathy Free light chain escape, IgM flare, paradox of increased BNP/NT-proBNP during treatment of amyloidosis, etc.)	Panel of speakers
<b>17.00 – 19.00</b>	<b>WORKSHOP: Presentation skills</b>	
	How to prepare a presentation/write publication How to find useful information related to MM	Roman Hajek, Sabina Ševčíková
<b>20.00</b>	<b>Dinner &amp; Social Event</b>	
<b>Tuesday 8 September</b>		
<b>8.00 - 9.30</b>	<b>Practical part:</b>	
	Bone marrow collection/Amyloidosis detection from abdominal fat (2 groups/45 min each topic)	Petra Vrublová/Tomáš Jelínek
<b>9.30 – 10.00</b>	<b>Theoretical part:</b>	
	Early myeloma, high risk vs. low risk smouldering myeloma and MGUS?	Roman Hájek
<b>10.00 - 10.15</b>	<b>Coffee break</b>	
<b>10.15 – 12.30</b>	<b>Theoretical part:</b>	
	Principles of modern treatment of multiple myeloma - first targets and long-term strategy	Roman Hájek

	Principles of modern treatment of amyloidosis	Roman Hájek
	Principles of modern treatment of MorbusWaldenström	Michal Kaščák/Roman Hájek
	Immunomodulatory agents in multiple myeloma, SMM and amyloidosis	Tomáš Jelínek
<b>Lunch</b>	<b>12.30 -13.30</b>	
<b>13.30 – 15.00</b>	<b>Theoretical part:</b>	
	Novel agents in MM – mechanism of action	Tomáš Jelínek
	Clinical trials in monoclonal gammopathies – overview	Roman Hajek
	Clinical trial data management - example “Ostrava”	Martina Janušková/Andrea Janotová
	Discussion with research nurses – visit of datamanagers offices	
<b>15.00 - 15.30</b>	<b>Coffee break</b>	
<b>15.30 – 17.30</b>	<b>Practical part:</b>	
	Selection of plasma cells by imunomagnetic separation (MACS) Selection of plasma cells by imunofluorescens separation (FACS)	Fedor Kryukov/Elena Kryukova
<b>Wednesday 9 September</b>		
<b>8.00 - 13.00</b>		
	Finalization of practical part - Questions & Answers	Fedor Kryukov/Elena Kryukova/Jana Smejkalova/Roman Hajek
	Patients related activity	Iveta Mareschova
	Hot topics in monoclonal gammopathies treatment (High risk vs. low risk multiple myeloma, treatment strategy focused on MRD,.. Next Generation Sequencing methods – what is important to know, etc.. )	Roman Hajek/Aneta Mikulášová
	Post-meeting test	
<b>13.00</b>	<b>Farewell meeting - lunch</b>	

**PRACTICAL PART:**

September 7-9, Day 1-3

These activities will be done during day 1 and 2

Bone marrow collection - how to collect and divide it for different purposes

(Task: learning how to collect enough cells not only for diagnostic but also for research purpose)

Selection of plasma cells by imunomagnetic separation (MACS)

(Task: learning how to select CD138+ cells from bone marrow)

Selection of plasma cells by imunofluorescensseparation (FACS)

(Task: understanding how use this method for research)

Biobanking for monoclonal gammopathy

(Task: learning how to divide marrow cells, plasma and serum to biobank)

Amyloidosis detection from abdominal fat

(Task: learning collection of abdominal fat samples for detection of amyloid by kongo red)

Discussion with research nurses

(Task: to understand the role of research nurses for clinical trials and databases)