

Year	Period	Course	Lecturer	Week	Date	Topic	Content	Lecturer
1 st Semester	Fall 2016	511	Dimitris Loukopoulos	1	26 Sept 2016 to 30 Sept 2016	Erythropoiesis; Haemoglobin; Haemoglobin (Hb) Synthesis	Erythropoiesis; Stem Cells; Erythroid Cells Trans-factors; Erythropoietin	Dimitris Loukopoulos Dimitris Loukopoulos
				2	03 Oct 2016 to 07 Oct 2016	Haemoglobin genes; Haemoglobin synthesis	Haemoglobin Structure; Haemoglobin Function Haemoglobin Genes Haemoglobin Synthesis The Transition HbF to HbA	Dimitris Loukopoulos Joanne Traeger-Synodinos Joanne Traeger-Synodinos Marina Kleanthous
				3	10 Oct 2016 to 14 Oct 2016	Laboratory Diagnostics; Quantitative Aspects of Erythropoiesis	Red Cell Values. RBC Indices ; Red Cell Morphology Reticis; Inclusions; Sickling test; Osmotic Fragility; HbA2, HbF Measurements	Perla Eleftheriou Perla Eleftheriou
				4	17 Oct 2016 to 21 Oct 2016	Molecular Genetics of β-Thalassaemia	Anaemias; Diagnostic Approach Molecular Genetics of β -thalassaemia Molecular Genetics of β -thalassaemia Molecular Genetics of β -thalassaemia	Perla Eleftheriou Joanne Traeger-Synodinos Joanne Traeger-Synodinos Joanne Traeger-Synodinos
		512	Dimitris Loukopoulos	5	24 Oct 2016 to 28 Oct 2016	Molecular Genetics of α-Thalassaemia	Molecular Genetics of α -thalassaemia Molecular Genetics of α -thalassaemia Molecular Genetics of α -thalassaemia	Suthat Fucharoen Suthat Fucharoen Suthat Fucharoen
				6	31 Oct 2016 to 04 Nov 2016	Haemoglobin Variants; Laboratory Diagnostics	Hb Electrophoresis, Chromatography; IEF; HPLC; Other techniques Hb Variants; HbS, HbE, HbC, Unstable Hbs, Hbs with high/low O2 Affinity Hb Variants; Elongated Hbs; Polymerizing Hbs; Hbs M	Cornelis L. Harteveld Cornelis L. feld Cornelis L. Harteveld
				7	07 Nov 2016 to 11 Nov 2016	Epidemiology & Population Genetics	Principles of Population Genetics and Statistics for Haemoglobinopathies Global Distribution of Haemoglobinopathies Health Burden of Haemoglobinopathies	Frédéric Piel Frédéric Piel Frédéric Piel
				8	14 Nov 2016 to 18 Nov 2016	Molecular Laboratory Support for the Diagnosis of Haemoglobin Disorders	DNA Extraction, Restriction Enzymes, Identification of the Fragments DNA Extraction, Restriction Enzymes, Identification of the Fragments Haplotypes and SNPs; Applications in Anthropogeography and Prenatal Diagnosis	Marina Kleanthous Marina Kleanthous John Old
		513	Maria-Domenica Cappellini	9	21 Nov 2016 to 25 Nov 2016	Thalassaemia Major: Introduction - Pathophysiology	Chain Imbalance; the Fate of Free Chains; Proteolysis; Precipitation Free Radicals; Oxidative; Ineffective Erythropoiesis; HbF Fe Metabolism (DVI, Ferroportin, Hcpidin, Haephestin, Transferrin-Ferritin) Aspects	Maria-Domenica Cappellini Maria-Domenica Cappellini Maria-Domenica Cappellini
				10	28 Nov 2016 to 02 Dec 2016	Thalassaemia Major: Clinical Overview	Molecular Genetic Modifiers Clinical Overview I TDT Clinical Overview I TDT	Raffaella Origa Maria-Domenica Cappellini Maria-Domenica Cappellini
				11	05 Dec 2016 to 09 Dec 2016	Non-Transfusion Dependent Thalassaemia: Introduction – Pathological	Clinical Overview II NTDT Clinical Overview II NTDT α -Thalassaemia Syndromes	Maria-Domenica Cappellini Maria-Domenica Cappellini Vip Viprakit
				12	12 Dec 2016 to 16 Dec 2016	Non-Transfusion Dependent Thalassaemia: Clinical Overview	HbE/beta Thalassaemia I HbE/beta Thalassaemia II Psychological Behaviour	Vip Viprakit Vip Viprakit Helen DeMarco

Semester	Period	Course	Course Leader	Week Dates	Week Topic	Lecture Topics	Tutor	
2 nd Semester	Spring 2017	521	John Porter	13	06 Feb 2017 to 10 Feb 2017	Blood	Blood Safety I Blood Safety II Preparation of Blood for Thalassaemia Patients	Constantina Politis Constantina Politis Sara Trompeter
				14	13 Feb 2017 to 17 Feb 2017	Transfusions in Haemoglobin (Hb) Disorders	Blood Transfusion I Blood Transfusion II Adverse Reactions	Sara Trompeter Perla Eleftheriou Perla Eleftheriou
				15	20 Feb 2017 to 24 Feb 2017	Iron Load and the Pathophysiology of Iron Overload	Rate of iron loading in Transfusion Dependent Thalassaemia (TDT) and in Non-Transfusion Dependent Thalassaemia (NTDT) Pathophysiology of Iron Overload	John Porter John Porter
				16	27 Feb 2017 to 03 Mar 2017	Iron Chelation	Monitoring of Iron Overload (Ferritin, LIC, Cardiac) Iron Chelation I Iron Chelation II Iron Chelation III	John Porter John Porter John Porter John Porter
				17	06 Mar 2017 to 10 Mar 2017	Thalassaemia Clinical Specific: Cardiology (Monitoring and Management of complications)	Pathophysiology of Iron Overload in the Heart Monitoring of Iron Related Heart Complication Management of Thalassaemic Heart Disease	Dimitris Farmakis Dudley Pennell Malcolm Walker
				18	13 Mar 2017 to 17 Mar 2017	Thalassaemia Clinical Specific: Endocrine (Monitoring and Management of Complications)	Growth Endocrine Deficiencies Sexual Development, Fertility and Pregnancy	Vincenzo de Sanctis Vincenzo de Sanctis Nicos Skordis
		19	20 Mar 2017 to 24 Mar 2017	Thalassaemia Clinical Specific: Liver (Monitoring and Management of Complications)	Liver Evaluation Viral Hepatitis in Haemoglobin Disorders Liver Disease in Thalassaemia	Tim St. Pierre Dimitrios Kountouras Vito di Marco		
		20	27 Mar 2017 to 31 Mar 2017	Thalassaemia Clinical Specific Infections	Immune and Host Defense Mechanism in Thalassaemia Immunoprophylaxis Infections in Thalassaemia	Yeşim Aydınok Aruneet Jetsrisuparp Suthat Fucharoen		
		21	03 April 2017 to 07 April 2017	523	Marianne de Montalembert	Sickle Cell Disease (SCD) I	Pathophysiology Adults: Part I Adults: Part II	Lucia de Franceschi Lucia de Franceschi Lucia de Franceschi
		22	10 April 2017 to 14 April 2017			Sickle Cell Disease (SCD) II	Neonatal Screening and Organisation of Care in Children Infectious Complications in Children Pain Management in Children	Marianne de Montalembert Marianne de Montalembert Marianne de Montalembert
		23	17 April 2017 to 21 April 2017			Sickle Cell Disease (SCD) III	Neurological Complications Bone Marrow Transplantation New Drugs	Miguel Abboud Miguel Abboud Miguel Abboud
		24	24 April 2017 to 27 April 2017			Sickle Cell Disease (SCD) IV	Hydroxyurea Transfusion Transition	Paul Telfer Paul Telfer Paul Telfer

Semester	Period	Course	Course Leader	Week	Dates	Week Topic	Lecture Topics	Tutor	
3 rd Semester	Summer 2017	531	Mary Petrou	25	05 June 2017 to 09 June 2017	Prevention I	Planning of Prevention Services Screening Policies	Michael Angastiniotis Mary Petrou	
				26	12 June 2017 to 16 June 2017	Prevention II	Genetic Counseling, Ethical and Legal Prenatal Diagnosis	Mary Petrou Marina Kleanthous	
				27	19 June 2017 to 23 June 2017	Haematopoietic Stem Cell Transplantation	Pre-implantation Diagnosis Prevention Programs Worldwide	Marina Kleanthous Michael Angastiniotis	
				28	26 June 2017 to 30 June 2017	Miscellaneous clinical	HSCT I HSCT II HSCT III	Emanuele Angelucci Emanuele Angelucci Emanuele Angelucci	
		532	Michael Angastiniotis	29	03 July 2017 to 07 July 2017	New advances	Bone Disease I Bone Disease II Malignancies - Emerging Concerns	Ersi Voskaridou Ersi Voskaridou Farrukh Shah	
				30	10 July 2017 to 14 July 2017	Life style issues	Gene Therapy of Major Haemoglobin Disorders HbF Reactivation for Therapy	Marina Cavazzana Yves Beuzard	
				31	17 July 2017 to 21 July 2017	Supporting the patient I	Hematopoiesis Modulation for Therapy of Major Hemoglobin Disorders	Antonio Piga	
				32	24 July 2017 to 28 July 2017	Supporting the patient II	Diet in Hb Disorders Exercise in Hb Disorders Social Integration	Dona Hileti Malcolm Walker Michael Angastiniotis	
				33	31 July 2017 to 04 Aug 2017	Miscellaneous issues I	Transition from Paediatric to Adult Care Quality of Life: Measuring Patient Report Outcomes Across the Lifespan	Loris Angelo Brunetta Adriana Ceci	
				34	07 Aug 2017 to 11 Aug 2017	Public Health issues I	Quality of Life: Patients' Perspective The Doctor-Patient Relationship The Doctor-Patient Relationship: Patient's Perspective	George Constantinou Perla Eleftheriou Mahmoud Hadipour Dehshal	
		533	Androulla Eleftheriou	35	21 Aug 2017 to 25 Aug 2017	Public Health issues II	Dental Care in Hb Disorders The Role of Nurses in Hb Disorders	Navdeep Kumar Emma Prescott	
				36	28 Aug 2017 to 01 Sept 2017	Miscellaneous issues II	Organizing Psychological Support Patients' Rights Patient Registries Reference Centres and Networks	Robert Yamashita Androulla Eleftheriou Michael Angastiniotis Anne Yardumian	
						The Role of Continuous Patients' and Health Professionals' Education in Promoting Quality of Health Care Services in Hb Disorders Health Care Systems and their Role in Chronic Diseases Survival Studies	Androulla Eleftheriou Andreas Polynikis Paul Telfer		
						Drug Development: Safety and Efficacy of Drugs Drug Development: Patients' Perspective The Role of Patient-Driven Organisations in Policy Development	Atholl Johnston Mahmoud Hadipour Dehshal Panos englezos		
	NOTE: Modules 532 & 533 can be replaced by a Thesis. The topic of the Thesis should come from one of the weekly topics of module 532 or module 533								