

Course Syllabus

Course Director: Robert S. Siegel, MD

Day 0: Hematology / Oncology Enduring Courses			
FILE	**SESSION**	**TOPIC**	**PRESENTER**
1	Hematology	Biology of Hematopoiesis	**Jerry L. Spivak, MD, MACP** Emeritus Professor of Medicine Johns Hopkins University School of Medicine
2	Hematology	Anemia of Chronic Illness	**Vera Malkovska, MD** Director of Hematology MedStar Washington Hospital Center The George Washington University
3	Hematology	Megaloblastic and Sideroblastic Anemias	**Vera Malkovska, MD** Director of Hematology MedStar Washington Hospital Center The George Washington University
4	Hematology	Porphyrias	**Victor R. Gordeuk, MD** Professor of Medicine University of Illinois at Chicago
5	Hematology	Red Cell Enzymes, Membranes, and Metabolism	**Imad A. Tabbara, MD, FACP** Chief, Division of Hematology/Oncology of DeCesaris Cancer Institute Anne Arundel Medical Center Clinical Professor of Medicine George Washington University
6	Hematology	Mechanisms for Clotting	**Nigel S. Key, MB, ChB, FRCP** Harold R Roberts Distinguished Professor University of North Carolina at Chapel Hill
7	Hematology	Oral Anticoagulants and Antithrombotic Therapy	**Alice Ma, MD, FACP** Professor of Medicine University of North Carolina
8	Hematology	Parenteral Antithrombotics and Thrombolytic Therapy	**Alice Ma, MD, FACP** Professor of Medicine University of North Carolina
9	Hematology	Review of Cellular Morphology	**Donald Karcher, MD** Professor of Pathology The George Washington University
10	Hematologic Malignancies	Liquid Biopsies	**Benjamin Levy, MD** Associate Professor The Johns Hopkins School of Medicine
11	Oncology	Mesothelioma	**Hedy Lee Kindler, MD** Professor of Medicine University of Chicago

Day 1: Hematology Session		
FILE	**TOPIC**	**PRESENTER**
12	Welcome | Housekeeping Notes	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
13	ITP and Drug-Induced Thrombocytopenia	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
14	Hemolytic Anemia	**Imad A. Tabbara, MD, FACP** Chief, Division of Hematology/Oncology of DeCesaris Cancer Institute Anne Arundel Medical Center Clinical Professor of Medicine George Washington University
15	Consumptive Thrombohemorrhagic Disorders (DIC, TTP, HUS)	**Michele P. Lambert, MD, MSTR** Professor of Pediatrics Perelman School of Medicine at UPENN and The Children's Hospital of Philadelphia
16	The Hemophilias	**Nigel S. Key, MB, ChB, FRCP** Harold R Roberts Distinguished Professor University of North Carolina at Chapel Hill
17	Hypercoagulable States	**Kenneth A. Bauer, MD** Professor of Medicine Harvard Medical School
19	Von Willebrand's Disease	**Alice Ma, MD, FACP** Professor of Medicine University of North Carolina
20	Qualitative Platelet Defects	**A. Koneti Rao, MBBS** Sol Sherry Professor of Medicine Co-Director, Sol Sherry Thrombosis Research Center, Lewis Katz School of Medicine
21	Acquired Disorders of Coagulation	**Alice Ma, MD, FACP** Professor of Medicine University of North Carolina
22	Transfusion Medicine	**Herleen Rai, MD** Associate Director of the Clinical Pathology Residency Program Assistant Professor of Pathology The Johns Hopkins University School of Medicine
23	Platelet Alloimmunization	**Herleen Rai, MD** Associate Director of the Clinical Pathology Residency Program Assistant Professor of Pathology The Johns Hopkins University School of Medicine
24	Closing Reminders	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center

Day 2: Hematology Session		
FILE	**TOPIC**	**PRESENTER**
25	Welcome | Housekeeping Notes	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
26	Iron Deficiency and Overload	**Hanny Al-Samkari, MD** Classical Hematologist and Clinical Investigator The Peggy S. Blitz Endowed Chair in Hematology/Oncology Co-Director, Hereditary Hemorrhagic Telangiectasia Center Massachusetts General Hospital Associate Professor of Medicine Harvard Medical School
27	Hemoglobinopathies	**Hanny Al-Samkari, MD** Classical Hematologist and Clinical Investigator The Peggy S. Blitz Endowed Chair in Hematology/Oncology Co-Director, Hereditary Hemorrhagic Telangiectasia Center Massachusetts General Hospital Associate Professor of Medicine Harvard Medical School
28	Bone Marrow Failure	**Amy DeZern, MD, MHS** Professor of Oncology and Medicine Hematologic Malignancies Sidney Kimmel Comprehensive Cancer Center at The Johns Hopkins School of Medicine
29	White Cell Disorders	**Amy DeZern, MD, MHS** Professor of Oncology and Medicine Hematologic Malignancies Sidney Kimmel Comprehensive Cancer Center at The Johns Hopkins School of Medicine
31	Anti-PF4 Disorders (HIT, VITT), DIC and Ischemic Limb Gangrene	**Theodore (Ted) Warkentin, MD** Professor Emeritus, Department of Pathology and Molecular Medicine, Hematologist, Service of Benign Hematology, Hamilton Health Sciences
32	Sickling Disorders	**Santosh Saraf, MD** Associate Professor of Medicine University of Illinois at Chicago
33	ABO Incompatibility and Other Transfusion-Related Issues in Hematopoietic Transplantation	**Shelley S. Kalsi, MD** Assistant Research Clinician Bethesda, MD Affiliation
34	Hematologic Complications of Pregnancy	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
35	Closing Reminders	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center

Day 3: Hematologic Malignancies		
FILE	**TOPIC**	**PRESENTER**
36	Welcome | Housekeeping Notes	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
37	Pathology of Lymphomas	**L. Jeffrey Medeiros, MD** Chair, Department of Hematopathology MD Anderson Cancer Center, University of Texas
38	Non-Hodgkin's Lymphoma	**John Leonard, MD** Professor of Hematology and Medical Oncology Director, Center for Blood Cancers Laura and Isaac Perlmutter Cancer Center NYU Grossman School of Medicine NYU Langone Health
39	Myelodysplasia	**Mikkael Sekeres, MD, MS** Chief, Division of Hematology and Professor of Medicine, Sylvester Comprehensive Cancer Center, University of Miami
40	Hodgkin's Lymphoma	**John Leonard, MD** Professor of Hematology and Medical Oncology Director, Center for Blood Cancers Laura and Isaac Perlmutter Cancer Center NYU Grossman School of Medicine NYU Langone Health
41	Acute Lymphocytic Leukemia	**Hagop Kantarjian, MD** Professor and Chair of the Department of Leukemia, Samsung Distinguished University Chair in Cancer Medicine, MD Anderson Cancer Center, University of Texas
43	Chronic Myeloid Leukemia	**Hagop Kantarjian, MD** Professor and Chair of the Department of Leukemia, Samsung Distinguished University Chair in Cancer Medicine, MD Anderson Cancer Center, University of Texas
44	Multiple Myeloma, Plasmacytoma, and MGUS	**S. Vincent Rajkumar, MD** Edward W. and Betty Knight Scripps Professor of Medicine, Mayo Clinic
45	Waldenstrom's Macroglobulinemia and Amyloidosis	**Morie A. Gertz, MD, MACP** Roland Seidler Jr. Professor of the Art of Medicine, Chair Emeritus of the Department of Internal Medicine, Mayo Clinic
46	Palliative Care	**Christina P. Prather, MD, FACP** Associate Professor, Geriatrics and Palliative Medicine The George Washington University CMO & Founder, Prather Medicine
47	Closing Reminders	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center

Day 4: Hematologic Malignancies		
FILE	**TOPIC**	**PRESENTER**
48	Welcome | Housekeeping Notes	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
49	Acute Myeloid Leukemia	**Richard M. Stone, MD** Chief of Staff, Professor of Medicine Dana Farber Cancer Institute, Harvard Medical School
50	Bone Marrow Transplantation	**Monzr M. AlMalki, MD** Professor, Department of Hematology & HCT, City of Hope National Medical Center
51	Myeloproliferative Neoplasms	**Ayalew Tefferi, MD** Barbara Woodward Lips Professor of Medicine Mayo Clinic
52	Pharmacology I	**Chaoyuan (Charlie) Kuang, MD, PhD** Assistant Professor of Oncology, Medicine, and Molecular Pharmacology Montefiore Einstein Comprehensive Cancer Center, Albert Einstein College of Medicine
54	Chronic Lymphocytic Leukemia	**Matthew Davids, MD, MMSc** Associate Professor of Medicine, Dana-Farber Cancer Institute
55	Pharmacology II	**Chaoyuan (Charlie) Kuang, MD, PhD** Assistant Professor of Oncology, Medicine, and Molecular Pharmacology Montefiore Einstein Comprehensive Cancer Center, Albert Einstein College of Medicine
56	Pharmacology III	**Chaoyuan (Charlie) Kuang, MD, PhD** Assistant Professor of Oncology, Medicine, and Molecular Pharmacology Montefiore Einstein Comprehensive Cancer Center, Albert Einstein College of Medicine
57	T Cell Therapies for Cancer	**Jeremy Abramson, MD, MMSc** Director, Lymphoma Program and the Jon and Jo Ann Hagler Chair in Lymphoma Massachusetts General Hospital Cancer Center
58	Closing Remarks | Adjournment	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center

Day 5: Oncology Session		
FILE	**TOPIC**	**PRESENTER**
59	Welcome | Housekeeping Notes	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
60	Melanoma	**F. Stephen Hodi, MD** Director of the Center for Immuno-Oncology and Melanoma Center Dana-Farber Cancer Institute
61	Familial Cancer Syndromes	**Isha Kalia, PhD, MS, MPH, CGC** Founder & Clinical Director Open Helix Health
62	Non-Small Cell Lung Cancer	**Benjamin Levy, MD** Associate Professor The Johns Hopkins School of Medicine
63	Small Cell Lung Cancer	**Benjamin Levy, MD** Associate Professor The Johns Hopkins School of Medicine
64	Adjuvant Therapy for Breast Cancer	**William J. Gradishar, MD** Betsy Bramsen Professor of Breast Oncology, Chief of Hematology/ Oncology, Northwestern University Feinberg School of Medicine
66	Metastatic Breast Cancer	**William J. Gradishar, MD** Betsy Bramsen Professor of Breast Oncology, Chief of Hematology/ Oncology, Northwestern University Feinberg School of Medicine
67	Neuro-Oncology	**Matthias Holdhoff, MD, PhD** Co-Director, Brain Cancer Disease Group, Professor of Oncology, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University
68	Metastatic Disease to the Brain, Spine, Carcinomatous Meningitis	**Matthias Holdhoff, MD, PhD** Co-Director, Brain Cancer Disease Group, Professor of Oncology, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University
69	Endocrine Malignancies	**Chelsey K. Baldwin Teschner, MD, ENCU** Associate Professor of Medicine Division of Endocrinology Medical University of South Carolina
70	Closing Reminders	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center

Day 6: Oncology Session		
FILE	**TOPIC**	**PRESENTER**
71	Welcome | Housekeeping Notes	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
72	Renal Cell Cancer	**Andrea B. Apolo, MD** Medical Oncology Bethesda, MD Affiliation
73	Prostate Cancer	**Jeanny B. Aragon-Ching, MD, FACP** Clinical Program Director of Genitourinary Cancers, Inova Schar Cancer Institute Associate Professor of Medical Education, University of Virginia
74	Bladder Cancer	**Andrea B. Apolo, MD** Medical Oncology Bethesda, MD Affiliation
75	Testicular Cancer and Mediastinal Germ Cell Tumors	**Darren R. Feldman, MD** Section Head, Germ Cell Cancer, Genitourinary Oncology Service Associate Attending Memorial Sloan Kettering Cancer Center
76	Ovarian Cancer	**Andrea E. Wahner Hendrickson, MD** Associate Professor of Medical Oncology, Mayo Clinic
78	Endometrial Cancer	**Andrea E. Wahner Hendrickson, MD** Associate Professor of Medical Oncology, Mayo Clinic
79	Cancer of the Cervix, Vulva, Vagina and Gestational Trophoblastic Tumors	**Nicole Chappell, MD** Gynecologic Oncology Beth Israel Deaconess Medical Center
80	Head and Neck Cancer	**Julie E. Bauman, MD, MPH** Director, GW Cancer Center Associate Dean of Cancer Professor of Medicine, GW School of Medicine and Health Sciences
81	Carcinoid Tumors, Carcinoid Syndrome and Pancreatic Neuroendocrine Tumors	**Diane Reidy-Lagunes, MD, MMS** Chief of Medical Oncology Duke University School of Medicine
82	Closing Reminders	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center

Day 7: Oncology Session		
FILE	**TOPIC**	**PRESENTER**
83	Welcome | Housekeeping Notes	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center
84	Esophageal Carcinoma	**David H. Ilson, MD, PhD** Attending Physician, Gastrointestinal Service, Memorial Sloan-Kettering Cancer Center
85	Gastric Cancer	**David H. Ilson, MD, PhD** Attending Physician, Gastrointestinal Service, Memorial Sloan-Kettering Cancer Center
86	Adjuvant Therapy for Colon and Rectal Cancer	**Cathy Eng, MD, FACP, FASCO** Endowed Chair, Surgical and Medical Oncology Professor of Medicine, Hematology and Oncology, Vanderbilt-Ingram Cancer Center
87	Pancreatic Cancer	**Michael Pishvaian, MD, PhD** Associate Professor, Director of Gastrointestinal, Developmental Therapeutics and Clinical Research Programs Johns Hopkins University
88	Metastatic Therapy for Colon and Rectal Cancer	**Cathy Eng, MD, FACP, FASCO** Endowed Chair, Surgical and Medical Oncology Professor of Medicine, Hematology and Oncology, Vanderbilt-Ingram Cancer Center
89	Anal Cancer	**Cathy Eng, MD, FACP, FASCO** Endowed Chair, Surgical and Medical Oncology Professor of Medicine, Hematology and Oncology, Vanderbilt-Ingram Cancer Center
91	Sarcoma	**Mark Agulnik, MD** Professor of Clinical Medicine, Vice Chair for Faculty Development, Department of Medicine Keck School of Medicine, University of Southern California
92	Hepatobiliary Cancer	**Valerie Lee, MD** Assistant Professor of Medical Oncology Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine
93	Closing Remarks | Adjournment	**Robert S. Siegel, MD** Professor of Medicine, Associate GW Cancer Center Director of Education and Training, The George Washington University, GW Cancer Center