



Klaus Mayer Symposium in Laboratory Medicine

*Laboratory Test Results:
Fact or Fiction - Interpretation of Common
Laboratory Tests Results*

Live Virtual Experience • Saturday, October 3, 2020



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Laboratory Test Results:

Fact or Fiction - Interpretation of Common Laboratory Tests Results

Course Overview

The interpretation of laboratory tests is often more complex than simply comparing patient results to published reference ranges. Misinterpretation of laboratory test results can lead to delayed and even inappropriate patient care, as well as wasted resources. This course will discuss the interpretation of frequently ordered and often misunderstood laboratory tests in the areas of Cellular Hematology, Cellular Immunology, Coagulation, Clinical Chemistry, and Microbiology.

This course is intended for physicians, surgeons, fellows, advanced practice providers, nurses, and laboratory professionals who are interested in understanding limitations of common laboratory test results and result interpretation.

Educational Objectives

- Discuss the appropriate use of common laboratory tests in a cancer care setting
- Interpret frequently ordered clinical laboratory test results in cancer patients
- Provide examples of preanalytical and analytical interferences that impact laboratory test interpretation in cancer patients

This symposium honors the service of Klaus Mayer, MD to Memorial Sloan Kettering Cancer Center, and his distinguished leadership, promoting research, service, and teaching in Laboratory Medicine.

Klaus Mayer, MD - A Short Biography



Dr. Klaus Mayer was an internationally recognized hematologist who was instrumental in the advancement of Blood Banking and Transfusion Medicine. He received his Medical Degree from the University of Zurich and Groningen in 1950. After completing an internship and residency in Internal Medicine at the Hospital of St. Raphael in New Haven, Connecticut, he became a fellow in Medicine at Memorial Hospital for Cancer and Allied Diseases where he rose to the rank of Attending Physician, Department of Medicine, Memorial Hospital and Professor of Medicine at Cornell University Medical College. In 1966 he was appointed Director of the Blood Bank and Serology Laboratory at Memorial Hospital, and in 1971 Dr. Mayer became the Director of the Hematology Laboratories at Memorial Hospital, a position that he held until his retirement in 2005. His expertise in Hematology and Blood Banking were well recognized locally, nationally and internationally. Over the years he held appointments at Rockefeller University Hospital, Hospital for Special Surgery, Brookhaven National Laboratory, and Manhattan Eye, Ear and Throat Hospital. He was President of the American Association of Blood Banks, chaired numerous national and international committees on standardization of Blood Banking techniques and Transfusion Medicine practice, and up until his retirement in 2005, a course director for Transfusion Medicine and member of the Steering Committee of Cornell Seminars in Salzburg, Austria.

Along with a small group of visionary colleagues, Dr. Mayer set the standards for the safe and effective use of blood and blood products. He was a brilliant hematologist and outstanding teacher.

The Symposium is supported in part by an unrestricted educational grant from Mrs. Vera Mayer.

Live Virtual Experience

We are excited to announce that this course will be delivered as a virtual experience. By registering for the live virtual course, you will be able to view presentations, hear live audio, and interact online.

All sessions presented live on Saturday, October 3, 2020 will be recorded and made available to attendees for viewing after the course. CME credit will be offered for this course and a certificate will be available after a post-course evaluation is complete.

This new live virtual course will be fully web-based, so all you will need is a computer, phone, or tablet and an internet connection. Access details will be emailed to all attendees before the course.

MSK Course Director



Ellinor Peerschke, PhD
Attending, Vice Chair
Department of Laboratory Medicine

MSK Planning Committee



Esther Babady, PhD, D(ABMM), FIDSA
Associate Attending
Department of Laboratory Medicine



Maly Fenelus, MD, MPH
Assistant Attending
Department of Laboratory Medicine



Lakshmi V. Ramanathan, PhD
Attending
Department of Laboratory Medicine

Invited Keynote Speaker



Gary Procop, MD, MS
Director, Mol. Microbiology, Mycology, Parasitology and Virology Laboratories
The Belinda Yen-Lieberman, PhD & James M. Lieberman, MD Endowed Chair in Clinical Microbiology
Vice Chair, Education, Pathology and Laboratory Medicine Institute
Co-Chair, Enterprise Laboratory Stewardship Committee, Medical Operations
Professor of Pathology, Cleveland Clinic Lerner College of Medicine
Cleveland Clinic

MSK Course Faculty

Esther Babady, PhD, D(ABMM), FIDSA
Associate Attending
Department of Laboratory Medicine

Dean Carlow, MD, PhD
Associate Attending
Department of Laboratory Medicine

Maly Fenelus, MD, MPH
Assistant Attending
Department of Laboratory Medicine

Samuel McCash, MD
Assistant Attending
Department of Laboratory Medicine

Kazunori Murata, PhD
Associate Attending
Department of Laboratory Medicine

Evangelos Ntrivalas, MD, PhD
Assistant Attending
Department of Laboratory Medicine

Melissa Pessin, MD, PhD
Attending, Chair
Department of Laboratory Medicine

Ellinor Peerschke, PhD
Attending, Vice Chair
Department of Laboratory Medicine

Lakshmi V. Ramanathan, PhD
Attending
Department of Laboratory Medicine



Memorial Sloan Kettering
Cancer Center

mskcc.org/LabMedicineSymposium

SCHEDULE

All times are U.S. Eastern Time

8:30 AM	Virtual Course Check-in
8:45 AM	Welcome and Introduction Ellinor Peerschke, PhD
9:00 AM	What Can Go Wrong Before the Lab Analyzes the Sample? How Preanalytical Errors and Patient Variables Affect Cancer Patient Test Results Melissa Pessin, MD, PhD Lakshmi Ramanathan, PhD
9:30 AM	To Test or Not to Test? Diagnosis of Gastroenteritis in Cancer Patients Esther Babady, PhD
10:00 AM	Interactive Case Studies Melissa Pessin, MD, PhD Lakshmi Ramanathan, PhD Esther Babady, PhD
10:15 AM	Break
10:30 AM	Keynote Address Optimizing Care Delivery by Optimizing Laboratory Stewardship Gary W. Procop, MD, MS
11:30 AM	Lunch Break
12:00 PM	What Does this Corrected Absolute Neutrophil Count Mean? I Have Already Started Chemotherapy? Maly Fenelus, MD, MPH
12:30 PM	Abnormal Preoperative Coagulation Test Results - What Now? Ellinor Peerschke, PhD
1:00 PM	Cellular Immunology Testing for Immune Checkpoint Blockade Associated Adverse Events Evangelos Ntrivalas, MD, PhD
1:30 PM	Interactive Case Studies Maly Fenelus, MD, MPH Ellinor Peerschke, PhD Evangelos Ntrivalas, MD, PhD
1:45 PM	Break
2:00 PM	How Clinical Mass Spectrometry Helps Improve Outcomes and Decrease Toxicity in Hematopoietic Stem Cell Transplantation Dean Carlow, MD, PhD
2:30 PM	Understanding PSA Testing: From Assay to Result Interpretation Kazunori Murata, PhD
3:00 PM	Pregnancy Testing in Cancer Patients: Not as Straightforward as You May Think Samuel McCash, MD
3:30 PM	Interactive Case Studies Dean Carlow, MD, PhD Kazunori Murata, PhD Samuel McCash, MD
3:45 PM	Adjourn



Accreditation

Memorial Sloan Kettering Cancer Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement

Memorial Sloan Kettering Cancer Center designates this live activity for a maximum of **6.00 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC/Self Assessment Modules (SAMs)

This program is registered with the American Board of Pathology's (ABPath) Continuing Certification program to offer **6.00 Lifelong Learning (Part II) and Self-Assessment Module (SAM) credits**.

Faculty Disclosure

It is the policy of MSK to make every effort to insure balance, independence, objectivity, and scientific rigor in all continuing medical education activities which it provides as an ACCME accredited provider. In accordance with ACCME guidelines and standards, all faculty participating in an activity provided by MSK are expected to disclose any significant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services which are discussed by the faculty members in an educational presentation. As required by the ACCME, when an unlabeled use of a commercial product or an investigational use not yet approved for any purpose is discussed during an educational activity, MSK requires the speaker to disclose that the product is not labeled for the use under discussion or that the product is still investigational.



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