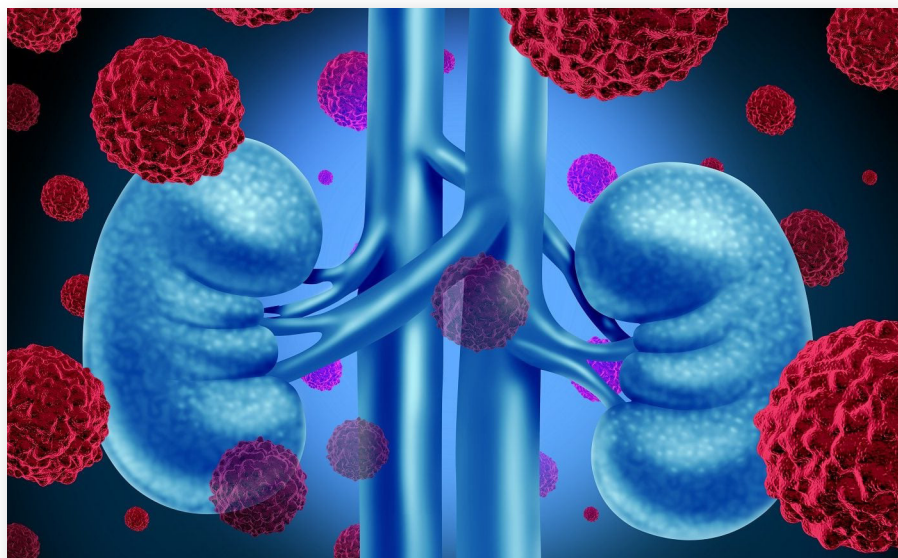


COVID-19 in Patients with Kidney Disease and Transplantation—What Have We Learned?



Thursday, May 6th, 2021 | 1:00PM to 4:40PM

Live Internet Activity Via Zoom

Registration is Complimentary

SYMPOSIUM DIRECTORS

Ladan Golestaneh, MD, MS

Professor of Medicine (Nephrology)

Albert Einstein College of Medicine

Director Williamsbridge Home Dialysis Unit

Montefiore Medical Center

Bronx, NY

Enver Akalin, MD

Professor of Medicine and Surgery

Albert Einstein College of Medicine

Medical Director of Kidney and Pancreas Transplant Program

Montefiore Medical Center

Bronx, NY

CME Credits for Physicians designated by

Albert Einstein College of Medicine - Montefiore Medical Center

This educational activity is supported by Einstein/Montefiore Abdominal Transplant Program

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GENERAL INFORMATION

Statement of Need

The world is still grappling with the COVID-19 pandemic and the path of death and destruction it has paved. Kidney disease is disproportionately worsened by the infection and those with kidney disease, including patients with End Stage Kidney Disease (ESKD) on maintenance hemodialysis or transplant recipients, are at high risk for mortality. De-novo kidney injury is severe and likely contributes to adverse outcomes. A better understanding of the effects of the disease and of past strategies that have best mitigated resultant mortality is crucially needed.

Activity Goals

The goal of this activity is to present the available literature and empiric discoveries made at Montefiore about COVID-19. The program will also describe successful programs developed at our medical center as it grappled with one of the worst surges of the pandemic described worldwide. By presenting this knowledge and experience, the faculty hope to better equip audience members with the best tools and strategies available to fight the disease.

Goals include:

1. Describe the pathophysiology and clinical features of COVID-19 infections as they affect patients with kidney disease and with transplantation.
2. Describe the pathophysiology of COVID-19 associated kidney disease. Describe clinical risk factors and outcomes of COVID-19 induced acute kidney injury (AKI).
3. Describe the successful programs developed at Montefiore Medical Center in response to the COVID-19 surge.
4. Describe adjustments in processes of care to best provide continuity to our patients.

Learning Objectives

After taking this course, the participants will be able to:

- Gain knowledge about the structure and virility of SarsCoV2, how it differs from other coronaviruses, and the immune system's (in both healthy individuals and in those with kidney disease) complicated response to the infection.
- Identify the various effects of COVID-19 on the tubules and glomeruli of the kidney and correlate these effects with clinical findings.
- Describe risk factors for mortality in patients with COVID-associated AKI and in patients with chronic kidney disease (CKD) and ESKD.
- Understand what infection control measures have been undertaken to ensure continuity of care in the outpatient setting.
- Learn the impact of COVID-19 on the recipients of kidney transplants and the changes adopted to an active and successful kidney transplant program in response to the pandemic and medical management of kidney transplant recipients during pandemic.

Target Audience

This activity is intended for the following specialties: Nephrologists, Infectious Disease Physicians, Transplant surgeons, Nurses, and other healthcare professionals.

Accreditation Statement

In support of improving patient care, Albert Einstein College of Medicine-Montefiore Medical Center is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



Credit Designation

PHYSICIANS

Albert Einstein College of Medicine-Montefiore Medical Center designates this live activity for a maximum of **3.5 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Conflict of Interest

The "Conflict of Interest Disclosure Policy" of Albert Einstein College of Medicine-Montefiore Medical Center requires that faculty participating in any CME activity disclose to the audience any relationship with commercial interest; pharmaceutical or equipment company*. Any presenter whose disclosed relationships prove to create a conflict of interest, with regard to their contribution to the activity, will not be permitted to present.

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* *The ACCME defines a Commercial Interest as an entity producing, marketing, re-selling or distributing health care goods or services consumed by or used on patients. The ACCME does not consider providers of clinical service directly to patients to be commercial interest – unless the provider of clinical service is owned, or controlled by, an ACCME-defined commercial interest*

Special Needs

Albert Einstein College of Medicine/Montefiore Medical Center fully complies with the legal requirements of the Americans with Disabilities Act. If any participant is in need of special accommodations, please submit request at least two weeks prior to the activity to Center for Continuing Professional Development via e-mail to msasso@montefiore.org.

AGENDA

SESSION 1

- 1:00-1:35 **Coronaviruses, SARS-CoV2 and Therapeutic Approaches**
- 1:00 **Welcome/Introduction**
Ladan Golestaneh, MD, MS
- 1:05 **Immune Responses to SARS-CoV2**
Enver Akalin, MD
- 1:15 **Available Therapies and Vaccination in COVID-19 Patients with Kidney Disease**
Liise-anne Pirofski, MD
- 1:25 **Questions/Discussion**
- 1:35-2:05 **COVID-19 Associated Acute Kidney Injury**
- 1:35 **Pathogenesis of COVID-19 Associated Acute Kidney Injury and Clinical Features**
Neelja Kumar, MD
- 1:45 **Risk Factors and Prognosis Specific to COVID-19 Associated Acute Kidney Injury**
Jyotsana Thakkar, MBBS
- 1:55 **Questions/Discussion**
- 2:05-2:35 **COVID-19-Associated Glomerular Diseases**
- 2:05 **Clinical and Histological Features of COVID-19 Associated Glomerular Diseases**
Molly C. Fisher, DO
- 2:15 **Pathogenesis and Treatment**
Michael J. Ross, MD
- 2:25 **Questions/Discussion**
- 2:35-2:45 **Break**

SESSION 2

- 2:45-3:25 **Renal Replacement Therapy for Inpatients with COVID-19**
- 2:45 **Conventional Hemodialysis and Adaptation to Resource Constraints**
Deep Sharma, MBBS
- 2:55 **Continuous Renal Replacement and Impediments Posed by COVID-19**
Maureen E. Brogan, MD
- 3:05 **Acute Peritoneal Dialysis in a Time of Crisis**
Maryanne Sourial, DO
- 3:15 **Questions/Discussion**
- 3:25-3:55 **COVID-19 in Outpatients Receiving Maintenance Dialysis**
- 3:25 **Outcomes in Patients with COVID-19 and End-Stage Renal Disease**
Maria Coco, MD, MS
- 3:35 **Infection Control Among, and Management of, Outpatients Receiving Maintenance Dialysis**
Michele H. Mokrzycki, MD, MS
- 3:45 **Questions/Discussion**
- 3:55-4:35 **COVID-19 and Kidney Transplantation**
- 3:55 **Risk Factors and Clinical Outcomes of Kidney Transplant Patients with COVID-19**
Yorg Al Azzi, MD
- 4:05 **Organ Allocation during the COVID-19 Pandemic. To Transplant or to Continue on the Waitlist?**
Juan P. Rocca, MD

- 4:15 **Medical Management of Kidney Transplant Recipients with COVID-19**
Maria Ajaimy, MD
- 4:25 **Questions/Discussion**
- 4:35-4:40 **Conclusions/Wrap Up**
Michael J. Ross, MD

FACULTY

Maria Ajaimy, MD

Associate Professor of Medicine
Associate Director, Kidney and Pancreas Transplant

Yorg Al Azzi, MD

Assistant Professor of Medicine (Nephrology)
Albert Einstein College of Medicine

Maureen E. Brogan, MD

Assistant Professor of Medicine (Nephrology)
Albert Einstein College of Medicine

Maria Coco, MD, MS

Professor of Medicine (Nephrology)
Albert Einstein College of Medicine

Molly C. Fisher, DO

Assistant Professor of Medicine (Nephrology)
Albert Einstein College of Medicine

Neelja Kumar, MD

Assistant Professor of Medicine (Nephrology)
Albert Einstein College of Medicine

Michele H. Mokrzycki, MD, MS

Professor of Medicine (Nephrology)
Albert Einstein College of Medicine

Liise-anne Pirofski, MD

Professor of Medicine (Infectious Diseases)
Professor of Microbiology & Immunology
Albert Einstein College of Medicine
Chief, Division of Infectious Diseases
Selma and Dr. Jacques Mitrani Chair in Biomedical Research

Juan P. Rocca, MD

Associate Professor of Surgery
Albert Einstein College of Medicine
Surgical Director, Kidney Transplant

Michael J. Ross, MD

Professor of Medicine and Developmental & Molecular Biology
Albert Einstein College of Medicine
Chief, Division of Nephrology

Deep Sharma, MBBS

Assistant Professor of Medicine (Nephrology)
Albert Einstein College of Medicine

Maryanne Sourial, DO

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Albert Einstein College of Medicine

Jyotsana Thakkar, MBBS

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Albert Einstein College of Medicine