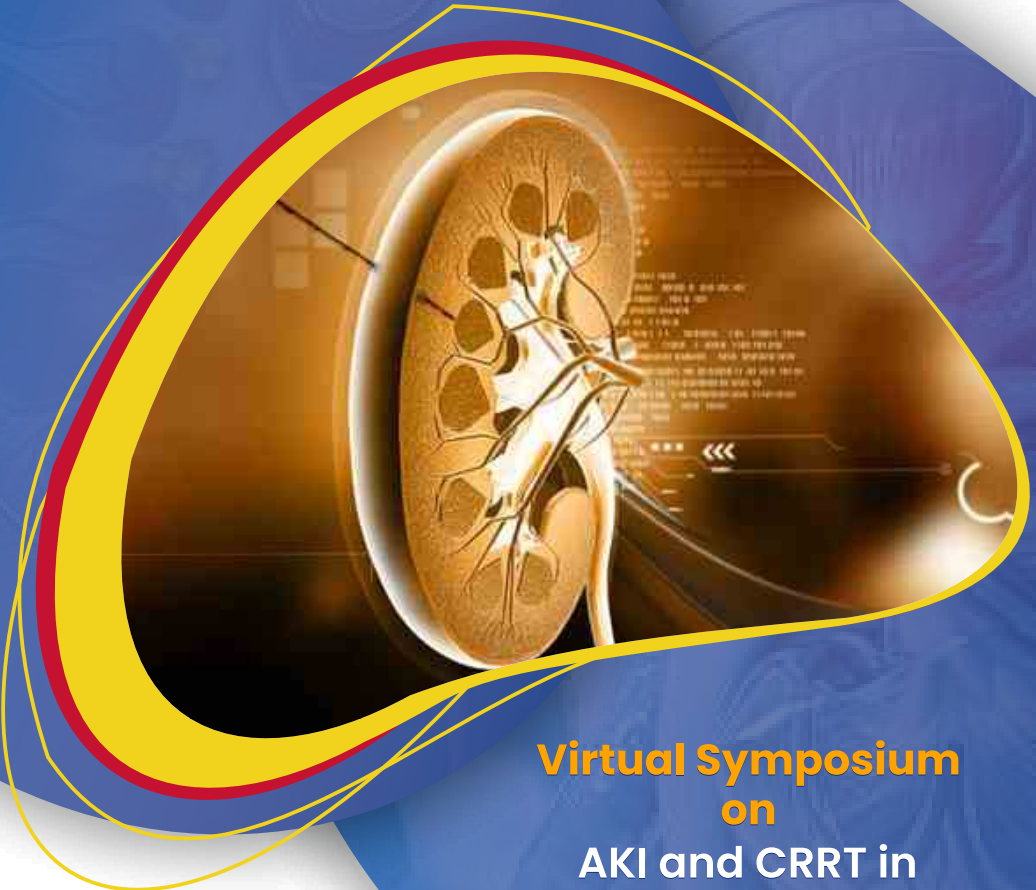


CRRT, INC.



RENOWN
CLINICAL SERVICES

26th January 2022



**Virtual Symposium
on
AKI and CRRT in
Covid-19: An Update**

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Welcome Message

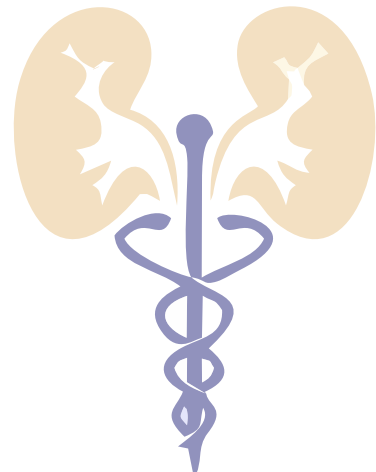
Kidney involvement in patients with COVID-19 is common, and can range from the presence of proteinuria and haematuria to acute kidney injury (AKI) requiring RRT.

COVID-19 associated AKI (COVID-19 AKI) is associated with high mortality and serves as an independent risk factor for all-cause in-hospital death in patients with COVID-19.

The pathophysiology and mechanisms of AKI in patients with COVID-19 have not been fully elucidated and seem to be multifactorial, in keeping with the pathophysiology of AKI in other patients who are critically ill.

Little is known about the prevention and management of COVID-19 AKI. The emergence of regional 'surges' in COVID-19 cases can limit hospital resources, including dialysis availability and supplies; thus, careful daily assessment of available resources is needed.

In this update our experts try to recap what we know so far about the epidemiology, pathophysiology and management of Covid-19 AKI



International Faculty



Dr. Ravindra Mehta

Dr. Mehta is Professor of Medicine in the Division of Nephrology and Associate Chair for Clinical Affairs in the Department of Medicine at the University of California, San Diego (UCSD) where he directs the Clinical nephrology and dialysis programs. He is also the Chair of the International Society of Nephrology Commission on Acute Renal Failure, founding member of the Acute Dialysis Quality Initiative. He received the M.B.B.S. degree (1976) from the Government Medical School in Amritsar, India, and the M.D. (1979) and D.M. (1981) degrees from the Post Graduate Institute of Medical Education and Research in Chandigarh, India. He subsequently completed a nephrology fellowship at the University of Rochester in Rochester New York and obtained his boards in internal medicine (1986) and Nephrology (1988). He has been on the faculty at San Diego since 1988. His research interests are in the field of acute renal failure and he has directed several clinical studies in the management of patients with ARF including comparing different dialytic modalities, conducting large multicenter observational studies of ARF with the PICARD group, evaluating different predictive models for outcomes in ARF, investigating the role of cytokine removal by dialysis membranes in sepsis and ARF, and evaluating techniques for determining the amount of excess fluid in dialysis patients.



Dr. Vincenzo Cantaluppi

Dr Vincenzo Cantaluppi is Associate Professor of Nephrology at the University of Eastern Piedmont "A. Avogadro", "Maggiore della Carità" University Hospital in Novara, Italy. He is the Director of Nephrology and Kidney Transplantation Unit at the University of Eastern Piedmont. He is an active clinical investigator in the fields of acute kidney injury, renal replacement therapy in intensive care unit, kidney transplantation. His main lines of basic research are focused on acute kidney injury biomarkers and on development of new potential therapeutic strategies for acute kidney injury based on transplantation of stem cells and derived extracellular vesicles.



Dr. Thomas Rimmelé

Prof. Thomas Rimmelé is the Chairman of the Department of Anaesthesiology and Intensive Care Medicine at Edouard Herriot Hospital, Lyon, France, and Chairman of the Department of Organ Harvest Coordination for the Hospices Civils de Lyon, France. He gained his medical degree in 2004, specialising in anaesthesiology and intensive care, from the Claude Bernard University, Lyon, France, and subsequently completed a PhD on extracorporeal blood purification therapies in sepsis. In addition to blood purification for sepsis, Prof. Rimmelé's academic interests include acute kidney injury, renal replacement therapy in the intensive care unit, and simulation in healthcare as he is also the co-director of the simulation center at Lyon University, France. Prof. Rimmelé is the author or co-author of more than 150 peer-reviewed articles or book chapters and regularly delivers lectures at international meetings.



Dr. John Prowle

Dr. Prowle is a Senior Clinical Lecturer in Intensive Care Medicine within the Critical Care and Perioperative Medicine Research Group at Barts and the London School of Medicine and Dentistry, Queen Mary University of London and is an Honorary Consultant Physician in Intensive Care Medicine and Nephrology at the Royal London Hospital, Barts Health NHS Trust, London, UK. He graduated in medicine from the University of Cambridge in 1999 and undertook Doctoral Research under the supervision of Prof Rinaldo Bellomo in Melbourne, Australia leading to the award of his research doctorate in 2013. Dr Prowle's academic interests include the Pathogenesis, Diagnosis and Treatment and Outcomes of Acute Kidney Injury, Continuous Renal Replacement Therapies in the ICU, Fluid Therapy and Medical Complications of Major Surgery. Since 2009 he has co-authored over 150 peer-reviewed publications and book chapters, including chapters related to Acute Kidney Injury in the latest editions of the Oxford Textbook of Clinical Nephrology and the Oxford Textbook of Critical Care.



Dr. Marlies Ostermann

Dr. Ostermann is a Consultant in Critical Care & Nephrology at Guy's & St Thomas' Foundation Trust, London and Honorary Senior Lecturer at King's College London. After medical school in Goettingen (Germany), she did her postgraduate training in London and Canada. She holds a PhD degree from the University of Goettingen, an MD degree from the University of London and a postgraduate Diploma in Medical Education. She is an active member of the European Society of Intensive Care Society, Renal Association and Intensive Care Society UK, and a Fellow of the Faculty of Intensive Care Medicine. She is also a co-founder of the London AKI Network. Her research interests include acute kidney injury in critically ill and all aspects of renal replacement therapy.



Dr. Sumit Mohan

Dr. Sumit Mohan, MD is a Nephrology Specialist in New York, NY and has over 23 years of experience in the medical field. He graduated from Kasturba Medical College medical school in 1999. He is affiliated with NewYork-Presbyterian/Weill Cornell Medical Center

National Faculty

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Dr. Girish Kumthekar
Speaker

Topic : Epidemiology of AKI associated with Covid-19 in India - Data from West

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Brig. Dr. Ranjith Nair
Speaker

Topic : Epidemiology of AKI associated with Covid-19 in India - Data from East

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Dr. SK Agarwal
Speaker

Topic : Covid-19 AKI Progression and Long Term Outcomes

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Dr. Sreejit Parameswaran
Speaker

Topic : Epidemiology of AKI associated with Covid-19 in India - Data from South

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Dr. Srinivas Samavedam
Speaker

Topic : Post-acute sequelae of Covid-19 (PASC)

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Dr. Swarnalata Gowrishankar
Speaker

Topic : Kidney Biopsies in Covid-19 - What we have seen

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Dr. Valentine Lobo
Speaker

Topic : ECoS with new membranes in Covid-19: The Indian Experience

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Dr. Vivekanand Jha
Speaker

Topic : Ethical considerations for RRT management in Covid-19

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Dr. Yatin Mehta
Speaker

Topic : Treatment strategies for Covid-19: What Works?

Scientific Session

Morning Session

10:00 AM – 13:15 PM

Time	Topic	Speaker
10:00 – 10:05 AM	(20:30–20:35 pm PST 25th January) Opening Remarks	Dr. Ravindra Mehta
Epidemiology of AKI associated with Covid-19 in India		
10:05 – 10:25 AM	Data from South [JIPMER]	Dr. Sreejith Parameswaran
10:25 – 10:45 AM	Data from West	Dr. Girish Kumthekar
10:45 – 11:05 AM	Data from North and East	Brig. Dr. Ranjith Nair
11:05 – 11:25 AM	Panel Discussion	Panelists: Dr. Ranjith Nair, Dr. Sreejith, Dr. Girish
11:25 – 11:35 AM	Break	
Pathophysiology of AKI in Covid-19		
11:35 – 11:55 AM	(07:05 AM–07:25 AM CET) – Mechanisms of AKI in Covid-19	Dr. Vincenzo Cantaluppi
11:55 – 12:15 PM	Kidney Biopsies in Covid 19: What we have seen	Dr. Swarnalata Gowrishankar
12:15 – 12:35 PM	COVID-19 AKI Progression and Long Term Outcomes	Dr. S K Agarwal
12:35 – 12:55 PM	Post-acute sequelae of Covid-19	Dr. Srinivas Samavedam
12:55 – 13:15 PM	(08:25 AM–08:45 AM CET) – Panel Discussion	Panelists: Dr Vincenzo Cantaluppi, Dr. SK Agarwal, Dr. Swarnalata, Dr. Srinivas Samavedam
13:15 PM	Adjourn	

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Scientific Session

Evening Session

17:00 PM – 20:30 PM

Time	Topic	Speaker
Management of AKI in Covid-19		
17:00 – 17:20 PM	Treatment strategies for COVID 19: What Works?	Dr. Yatin Mehta
17:20 – 17:40 PM	(11:50 am–12:10 pm GMT) – Fluid management in COVID19: Liberal or restricted?	Dr. John Prowle
17:40 – 18:00 PM	(12:10–12:30 pm GMT) – Preventive strategies for COVID19 AKI	Dr. Marlies Ostermann
18:00 – 18:20 PM	Panel Discussion	Panelists: Dr. Yatin Mehta, Dr. John Prowle, Dr. Marlies Ostermann
18:20 – 18:30 PM	Break	
Extracorporeal Organ Support (ECOS) for Covid 19		
18:30 – 18:50 PM	(14:00–14:20 pm CET) – ECOS for COVID 19: Rationale and Experience	Dr. Thomas Rimmele
18:50 – 19:10 PM	ECOS with new membranes in Covid-19: The Indian Experience	Dr. Valentine Lobo
19:10 – 19:30 PM	(05:40–06:00 AM PST) – Best practices for CRRT: Lessons learned from Covid-19 Pandemic	Dr. Ravindra Mehta
19:30 – 19:50 PM	(09:00–09:20 AM EST) – Dealing with an Acute RRT Surge: What's needed	Dr. Sumit Mohan
19:50 – 20:10 PM	Ethical considerations for RRT management in COVID 19	Dr. Vivekanand Jha
20:10 – 20:25 PM	(15:40–15:55 PM CET; 06:40–06:55 AM PST; 09:40–09:55 AM EST) Panel Discussion	Panelists Dr. Vivekanand Jha, Dr. Thomas Rimmele, Dr. Sumit Mohan, Dr. Lobo
20:25 – 20:30 PM	Closing remarks and Vote of thanks	Dr. Raj Chakravarthi

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