

# COVID-19

An End Stage Renal Disease (ESRD) National Coordinating Center (NCC)  
Professional Education Quickinar

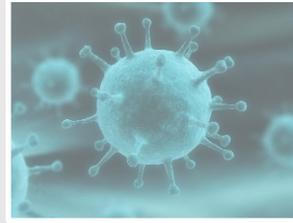


May 13, 2020

COVID-19 = Coronavirus Disease 2019

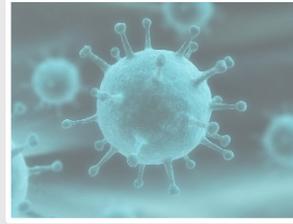


# Agenda



- What is this call about?
- Today's speaker:
  - Tushar Chopra, MD  
Assistant Professor of Medicine, Division of Nephrology,  
University of Virginia
  - Topic: Pathways of managing home dialysis patients during the era of COVID-19
  - Questions and answers (Q&As) from chat and Q&A panels

# What Is This Call About?



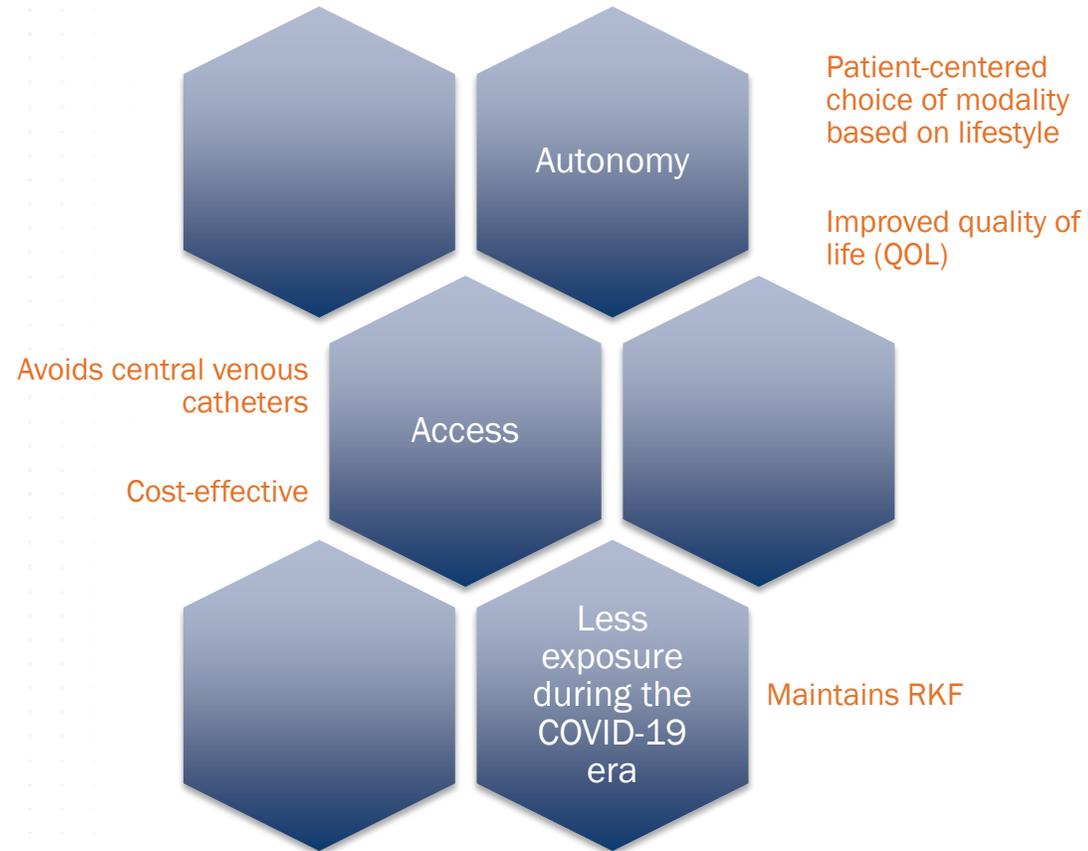
- Hear from stakeholders and peers in the ESRD community who are adapting to COVID-19.
- Share examples and provide real-world strategies for facilities to use.
- Engage in weekly calls on varying topics.



*Pathways of  
Managing Home  
Dialysis Patients  
During the Era of  
COVID-19*

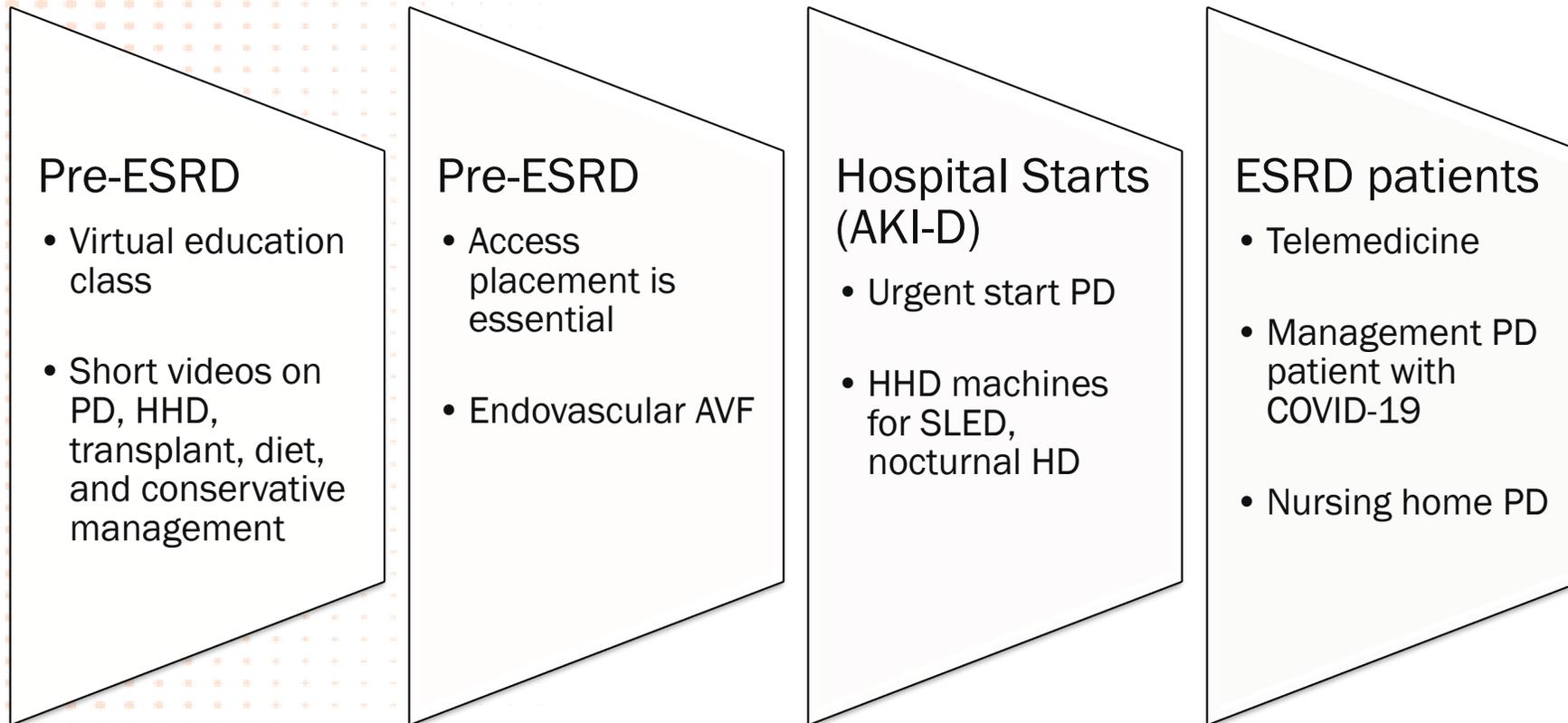
Tushar Chopra, MD  
Assistant Professor of Medicine, Division  
of Nephrology, University of Virginia

# Why Choose PD During the COVID-19 Era?



PD = peritoneal dialysis  
RKF = renal kidney function

# Pathways to Increase Comfort in Managing a Kidney Disease Patient During the COVID-19 Era



HHD = home hemodialysis  
AVF = arteriovenous fistula  
AKI-D = acute kidney injury disease  
SLED = sustained low efficiency dialysis

# Hospital Starts AKI-D Patients With COVID-19

Urgent  
Start PD

- Personnel for catheter placement with good outcomes
- Reimbursement of PD patient on AKI-D is yet to be covered by CMS

Short Daily  
HD

- Can use HHD machines for AKI-D patients

Nocturnal  
HD

- Use HHD machine overnight to allow patient to participate in rehabilitation during the day

## Urgent Start PD

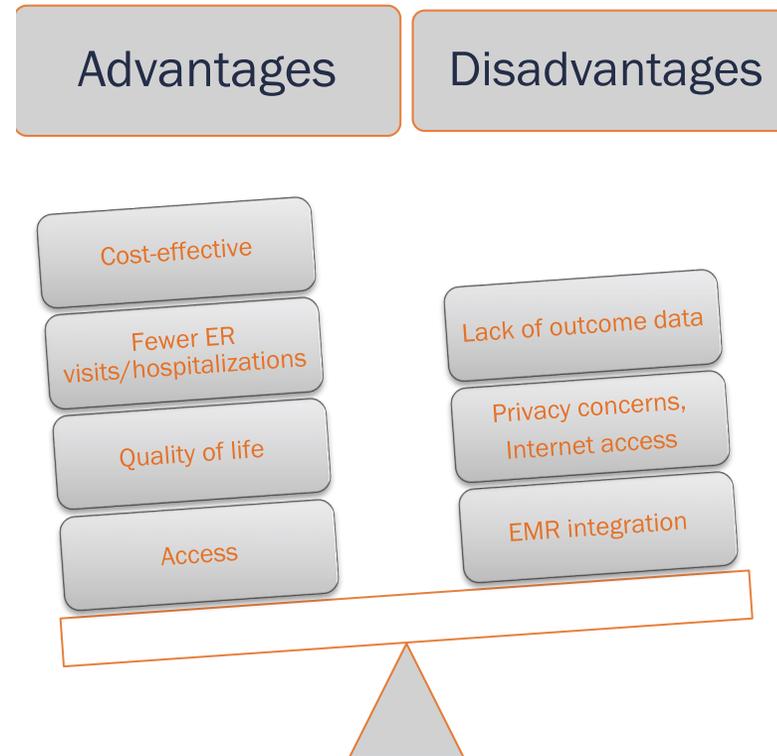
PD catheter, bowel prep,  
antibiotics

Purse string sutures, fibrin glue

Low-volume supine CCPD

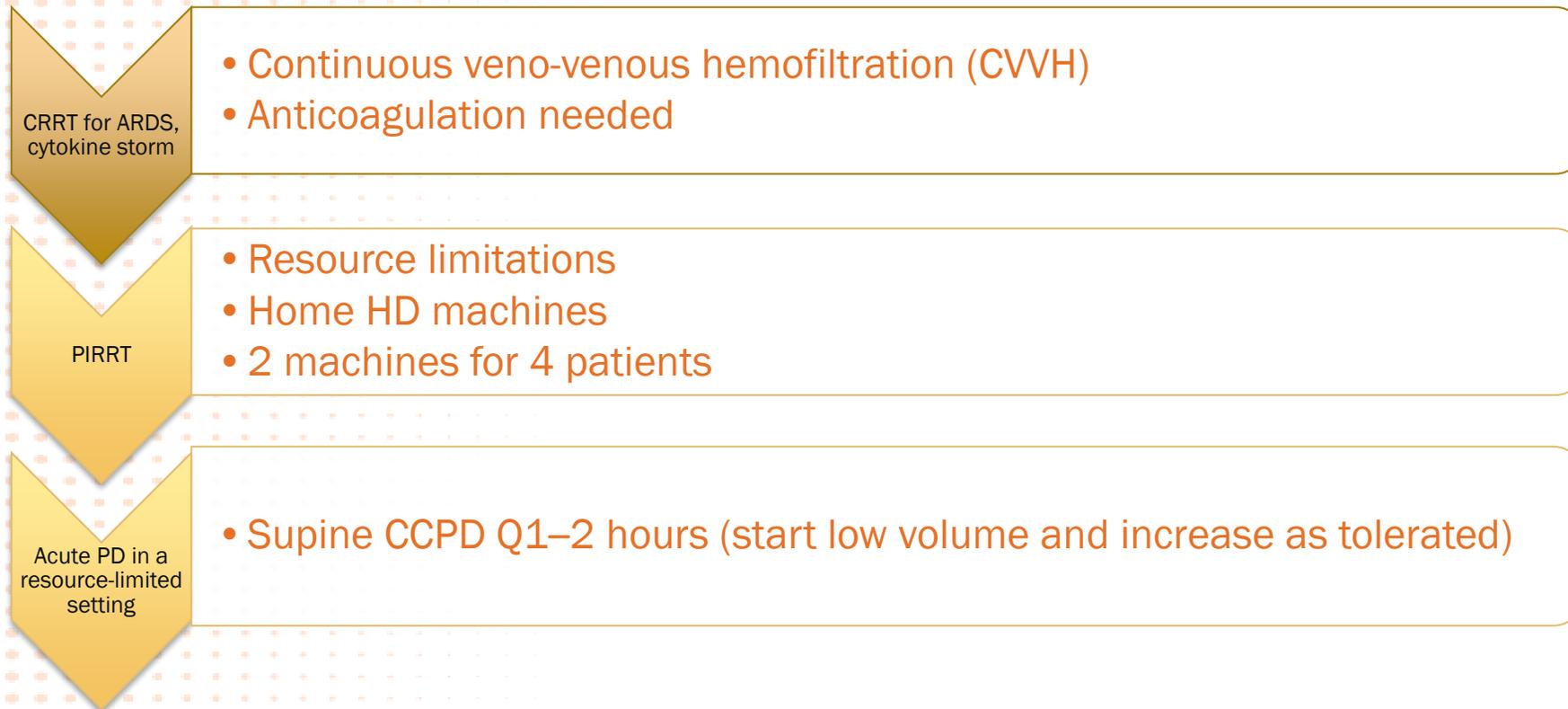
# Telemedicine and Home Dialysis

- Presently, CMS has provided waivers for the use of telehealth for PD patients during the current public health emergency
- This includes relief from the requirement of:
  - Initial 3-months face-to-face MCP visit post-home dialysis initiation
  - Face-to-face MCP visit once every 3 months
  - Questions remain on which waivers will remain after the COVID-19 crisis improves.
- **ESRD Telemedicine Toolkit**  
<https://www.cms.gov/files/document/esrd-provider-telehealth-telemedicine-toolkit.pdf>



MCP = monthly capitation rate  
ER = electronic record  
EMR = electronic medical record

# Management of a Home Dialysis Patient With COVID-19 in the ICU



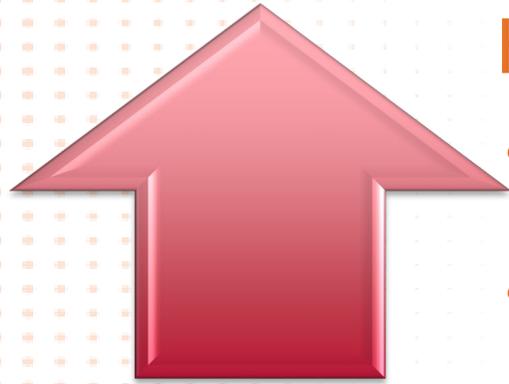
ICU = intensive care unit  
CRRT = continuous renal replacement therapy  
ARDS = acute respiratory distress syndrome  
PIRRT = prolonged intermittent renal replacement therapy

# Management of ESRD Patient With Mild-Moderate Symptoms of COVID-19 (Non-ICU)

CAPD RKF > 3 ml/min	CAPD RKF < 3 ml/min	CCPD RKF > 3 ml/min	CCPD RKF < 3 ml/min
<ul style="list-style-type: none"><li>• Maximize diuretics</li><li>• Increase frequency of hypertonic dialysate (start 2.5%)</li><li>• Increase fill volumes in 200 ml increments</li></ul>	<ul style="list-style-type: none"><li>• Increase frequency of hypertonic dialysate 2.5%</li><li>• Increase fill volumes by 200 ml increments in supine position</li></ul>	<ul style="list-style-type: none"><li>• Day dwells to maximize water and salt removal</li><li>• Avoid long day dwells with glucose-based solutions</li><li>• Mid-day exchange</li></ul>	<ul style="list-style-type: none"><li>• Low, low average (avg) transporter 3–4 cycles over 9 hours + must use day exchange</li><li>• High, high avg transporter 4–5 cycles over 9 hours with more day dwells</li></ul>

CAPD = continuous ambulatory peritoneal dialysis  
ml/min = milliliters per minute

## Summary



### Home Dialysis-centric

- Acute PD for AKI coverage by insurance
- Assist PD coverage



### In-center Hemo-centric

# Let Us Hear From You

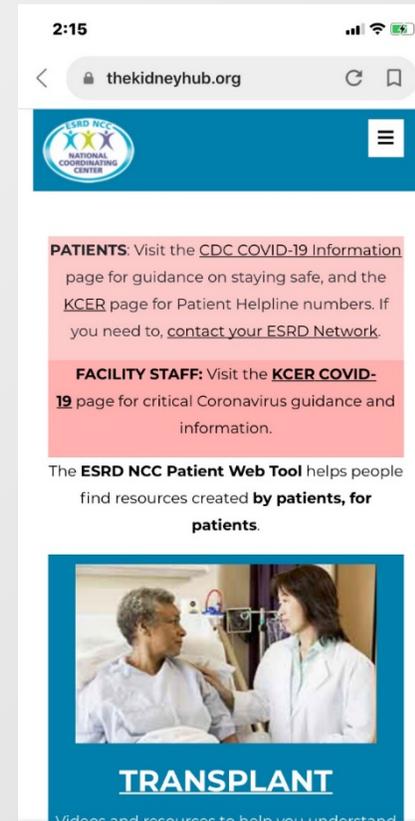
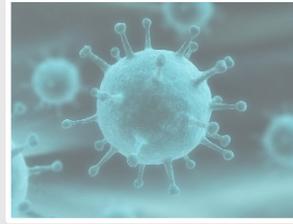
Q&As from chat and Q&A panels



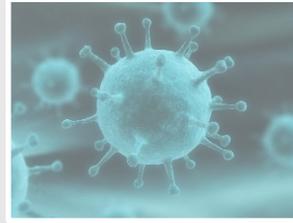
# TheKidneyHub.org

## Introducing TheKidneyHub.org.

- New resource for patients and professionals
- Secure, mobile-friendly web tool developed by the ESRD NCC with assistance from patient subject matter experts (SMEs)
- Links to important resources, such as:
  - COVID-19 emergency resources.
  - Patient-created resources on transplant, infection prevention, well-being, etc.
  - Educational materials for new (and experienced) ESRD patients.
  - And more.



# Our Next COVID-19 Quickinar Events



- Save the dates for our next events.
  - Patient-focused event:  
May 19, 2020, at 5 p.m. ET
  - Provider-focused event:  
May 20, 2020, at 5 p.m. ET
- Visit [www.kidneyCOVIDinfocenter.com](http://www.kidneyCOVIDinfocenter.com) for information and to register.

**CORONAVIRUS COVID-19**

**COVID-19**  
"Quickinar" Events

The ESRD NCC works with the Centers for Medicare & Medicaid Services (CMS) and other agencies to ensure the safety and continued treatment of dialysis patients and transplant recipients in the United States. Below is a list of resources to help you protect yourself from and stay informed of COVID-19.

**For Patients**

**For Healthcare Providers**

**COVID-19**

- For Healthcare Providers
- For Patients
- COVID-19 Quickinar Events
- Share the COVID-19 Quickinar Events On Your Site

# Thank You!

[NCCinfo@hsag.com](mailto:NCCinfo@hsag.com)

844.472.4250

813.865.3545

[www.esrdncc.org](http://www.esrdncc.org)

Additional COVID-19 resources for patients and providers:



<https://www.kcercoalition.com/en/covid-19/>



[www.kidneyCOVIDinfocenter.com](http://www.kidneyCOVIDinfocenter.com)

This material was prepared the End Stage Renal Disease National Coordinating Center (ESRD NCC) contractor, under contract with the Centers for Medicare & Medicaid Services (CMS), an agency of the U.S. Department of Health and Human Services. The contents presented do not necessarily reflect CMS policy nor imply endorsement by the U.S. Government. Publication Number FL-ESRD NCC-7N56TD-05112020-01

