

Date	Day	Module	Session	Speaker	Topic
Module #1 Introduction to Hemodialysis and Extracorporeal Therapies					
17-Sep-18	Mon	1	1	Faculty	Hemodialysis Academy Introduction/CANVAS Orientation
19-Sep-18	Wed	1	2	Faculty	Hemodialysis Academy Introduction/Orientation/ Rounds Presentation
21-Sep-18	Fri	1	3	Cowgill/Faculty	Academy Discussion/Rounds #1
24-Sep-18	Mon	1	4	Cowgill	History of Hemodialysis and Extracorporeal Therapies (part 1)
26-Sep-18	Wed	1	5	Cowgill	History of Hemodialysis & Extracorporeal Therapies (part 2)
28-Sep-18	Fri	1	6	Cowgill	International RRR #1
1-Oct-18	Mon	1	7	Segev	Principles of Hemodialysis (part 1)
3-Oct-18	Wed	1	8	Segev	Principles of Hemodialysis (part 2)
5-Oct-18	Fri	1	9	Cowgill	Academy Discussion/Rounds #2
8-Oct-18	Mon	1	10	Segev	Principles of Hemodialysis (part 3)
10-Oct-18	Wed	1	11	Foster	Principles of Hemoperfusion
12-Oct-18	Fri	1	12	Cowgill	International RRR #2
15-Oct-18	Mon	1	13	Cowgill	Principles of Therapeutic Apheresis
17-Oct-18	Wed	1	14	Langston	Principles of CRRT
19-Oct-18	Fri	1	15	Cowgill	Academy Discussion/Rounds #3
22-Oct-18	Mon	1	16	Francey	Principles of Hybrid Therapies
24-Oct-18	Wed	1			ASN-Kidney Week in San Diego
26-Oct-18	Fri	1			ASN-Kidney Week in San Diego
29-Oct-18	Mon	1	17	Labato	Principles of Peritoneal Dialysis
Module #2 Conventional Management of Kidney Disease and Indications for Extracorporeal Therapies					
31-Oct-18	Wed	2	18	Cowgill	Pathophysiology of Kidney Injury and Repair
2-Nov-18	Fri	2	19	Cowgill	Academy Discussion/Rounds #4
5-Nov-18	Mon	2	20	Palm/Cowgill	Role of Active Injury Biomarkers in Kidney Disease
7-Nov-18	Wed	2	21	Palm or Langston	Medical Management of Acute Kidney Injury-Overview
9-Nov-18	Fri	2	22	Cowgill	International RRR #3
12-Nov-18	Mon	2	23	Palm or Langston	Medical Management of Acute Kidney Injury-Urine Production and Fluid Therapy
14-Nov-18	Wed	2	24	Francey	Systemic Manifestations of Acute Kidney Injury
16-Nov-18	Fri	2	25	Cowgill	Academy Discussion/Rounds #5
19-Nov-18	Mon	2	26	Foster	Drug Metabolism and Dosage Adjustment in Kidney Disease
21-Nov-18	Wed	2			ThanksGiving Break
23-Nov-18	Fri	2			ThanksGiving Break
26-Nov-18	Mon	2	27	Segev	Medical Management of Acute Kidney Injury while Managed with Hemodialysis
28-Nov-18	Wed	2	28	Foster	Acute-on-Chronic Kidney Disease
30-Nov-18	Fri	2	29	Cowgill	Academy Discussion/Rounds #6
3-Dec-18	Mon	2	30	Segev	Indications for Hemodialysis
5-Dec-18	Wed	2	31	Foster	Indications for Hemoperfusion
7-Dec-18	Fri	2	32	Cowgill	International RRR #4
10-Dec-18	Mon	2	33	Langston	Indications for CRRT
12-Dec-18	Wed	2	34	Cowgill	Case Examples of IHD and Hemoperfusion
14-Dec-18	Fri	2	35	Cowgill	Academy Discussion/Rounds #7
17-Dec-18	Mon	2	36	Langston	Case Examples of CVVH, CVVHD, and CVVHDF
19-Dec-18	Wed	2	37	Cowgill	Indications for Centrifugal/Membrane Apheresis
21-Dec-18	Fri	2	38	Cowgill	International RRR #5
24-Dec-18	Mon	2			Holiday Break
26-Dec-18	Wed	2			Holiday Break
28-Dec-18	Fri	2			Holiday Break
31-Dec-18	Mon	2			Holiday Break
2-Jan-19	Wed	2	39	Labato	Indications for Peritoneal Dialysis
4-Jan-19	Fri	2	40	Cowgill	International RRR #6
7-Jan-19	Mon	2	41	Labato	Case Examples of Peritoneal Dialysis
9-Jan-19	Wed	2	42		Holiday Break
11-Jan-19	Fri	2	43	Cowgill	Academy Discussion/Rounds #8
Module #3 Extracorporeal Systems, Machines, and Prescribing IHD					
14-Jan-19	Mon	3	44	Ross	Intermittent Hemodialysis Systems (part 1): Dialysate Generation/Monitoring
16-Jan-19	Wed	3	45	Ross	Intermittent Hemodialysis Systems (part 2)_ Ultrafiltration Systems
18-Jan-19	Fri	3	46	Cowgill	International RRR #7
21-Jan-19	Mon	3	47	Cowgill	Intermittent Hemodialysis Systems (part 3) Extracorporeal Blood Path
23-Jan-19	Wed	3	48	Ross	Intermittent Hemodialysis Systems (part 4)_ Monitoring Systems
25-Jan-19	Fri	3	49	Cowgill	Academy Discussion/Rounds #9
28-Jan-19	Mon	3	50	Cowgill	Intermittent Hemodialysis Systems (part 5)_ Adjunct Monitoring Systems
30-Jan-19	Wed	3	51	Cowgill	Hemodialyzers, Hemofilters, Plasma Filters, Plasma Separators
1-Feb-19	Fri	3	52	Cowgill	International RRR #8
4-Feb-19	Mon	3	53	Guest	Hemodialyzers (Membrane Materials _ Manufacturer, Part1)
6-Feb-19	Wed	3	54	Guest	Hemodialyzers (Membrane Materials _ Manufacturer, Part2)
8-Feb-19	Fri	3	55	Cowgill	Academy Discussion/Rounds #10
11-Feb-19	Mon	3	56	Ross	Vascular Access (Catheters and performance monitoring)

13-Feb-19	Wed	3	57	Langston	Vascular Access (Complications)
15-Feb-19	Fri	3	58	Cowgill	International RRR #9
18-Feb-19	Mon	3	59	Foster	Vascular Access (KDOQI Guidelines)
20-Feb-19	Wed	3	60	Hopper	Anticoagulation Part 1 (Anatomy of Coagulation)
22-Feb-19	Fri	3	61	Wolff	Academy Discussion/Rounds #10
25-Feb-19	Mon	3	62	Cowgill	Hemodialysis Rounds/Discussion #7
27-Feb-19	Wed	3	63	Francey	Anticoagulation Part 2 (Alternative Anticoagulation Strategies)
1-Mar-19	Fri	3	64	Cowgill	International RRR #11
4-Mar-19	Mon	3	65	Francey	Anticoagulation Part 3 (Alternative Anticoagulation Strategies, low and no heparin treatments)
6-Mar-19	Wed	3	66	Langston	Complications of Anticoagulation
8-Mar-19	Fri	3	67	Cowgill	Academy Discussion/Rounds #11
11-Mar-19	Mon	3	68	Segev	Deciding When to Initiate Dialysis
13-Mar-19	Wed	3	69	Foster	Role of Dialysis in Correcting the Uremic Syndrome
15-Mar-19	Fri	3	70	Cowgill	International RRR #12
18-Mar-19	Mon	3	71	Francey	IHD Machines: Options and Differences and Availability
20-Mar-19	Wed	3	72	Foster	IHD Prescription (Part 1): Introduction to IHD Prescription & Choosing the Extracorporeal Circuit
22-Mar-19	Fri	3	73	Wolff	
25-Mar-19	Mon	3	74	Foster	IHD Prescription (Part 2): Configuring the Dialysate #1
27-Mar-19	Wed	3	75	Foster	IHD Prescription (Part 3): Configuring the Dialysate #2
29-Mar-19	Fri	3	76	Cowgill	International RRR #13
1-Apr-19	Mon	3	77	Cowgill	IHD Prescription (Part4): Single Needle vs Double Needle
3-Apr-19	Wed	3	78	Segev	IHD Prescription (Part 5): Dialysis Disequilibrium Syndrome
5-Apr-19	Fri	3	79	Cowgill	Academy Discussion/Rounds #13
8-Apr-19	Mon	3			Spring Break
10-Apr-19	Wed	3			Spring Break
12-Apr-19	Fri	3			Spring Break
15-Apr-19	Mon	3	80	Cowgill	IHD Prescription (Part 6): Urea Reduction Prescription
17-Apr-19	Wed	3	81	Langston	IHD Prescription (Part 7): Anticoagulation
19-Apr-19	Fri	3	82	Cowgill	Academy Discussion/Rounds #14
22-Apr-19	Mon	3	83	Cowgill	IHD Prescription (Part 8): Monitoring Anticoagulation
24-Apr-19	Wed	3	84	TBD	IHD Prescription (Part 9): Ultrafiltration
26-Apr-19	Fri	3	88	Cowgill	International RRR #14
29-Apr-19	Mon	3	89	Cowgill	IHD Prescription (Part 10): Delivering slow treatments on an IHD Platform #1
1-May-19	Wed	3	90	Cowgill	IHD Prescription (Part 11): Delivering slow treatments on an IHD Platform #2
3-May-19	Fri	3	91	Cowgill	Academy Discussion/Rounds #15
6-May-19	Mon	3	92	Ross	Intradialytic Complications of IHD
8-May-19	Wed	3	93	Palm	Interdialytic Complications and Management of IHD Patients
10-May-19	Fri	3	94	Cowgill	International RRR #15
13-May-19	Mon	3	95	Palm	When to Discontinue IHD
15-May-19	Wed	3	96	Guest	Designing Unique and specialized extracorporeal machines
17-May-19	Fri	3	97	Cowgill	Academy Discussion/Rounds #16
Module #4 Extracorporeal Systems, Machines, and Prescribing CRRT					
20-May-19	Mon	4	98	Langston	Continuous Renal Replacement Therapy (Part 1): CRRT Systems & Machines
22-May-19	Wed	4	99	Langston	Continuous Renal Replacement Therapy (Part 2): CRRT Modalities
24-May-19	Fri	4	100	Cowgill	International RRR #16
27-May-19	Mon	4	101	Langston	Continuous Renal Replacement Therapy (Part 3): CRRT Prescription #1
29-May-19	Wed	4	102	Langston	Continuous Renal Replacement Therapy (Part 4): CRRT Prescription #2
31-May-19	Fri	4	103	Cowgill/Langston	Academy Discussion/Rounds #16
3-Jun-19	Mon	4			ACVIM Break
5-Jun-19	Wed	4			ACVIM Break
7-Jun-19	Fri	4			ACVIM Break
10-Jun-19	Mon	4	104	Langston	Continuous Renal Replacement Therapy (Part 5): CRRT Prescription #3 (Blood Prime)
12-Jun-19	Wed	4	105	Langston	Continuous Renal Replacement Therapy (Part 6): Delivery of CRRT
14-Jun-19	Fri	4	106	Cowgill	International RRR #17
17-Jun-19	Mon	4	107	Langston	Continuous Renal Replacement Therapy (Part 7): "CRRT Math for Dummies" and Case Examples of (
19-Jun-19	Wed	4	108	Langston	Continuous Renal Replacement Therapy (Part 8): Case Examples of CVVH, CVVHD, and CVVHDF
21-Jun-19	Fri	4	109	Cowgill/Langston	Academy Discussion/Rounds #17
Module #5 Quality Assurance, Adequacy and Urea Kinetics for Hemodialysis					
24-Jun-19	Mon	5	113	Foster	Adequacy Assessment, Quality Assurance & KDIGO Guidelines for Hemodialysis
26-Jun-19	Wed	5	114	Francey	Outcomes for Renal Replacement Therapies in Animals
28-Jun-19	Fri	5	115	Cowgill	International RRR #18
1-Jul-19	Mon	5	116	Francey	Formal Urea Kinetics Analysis (part 1): Introduction
3-Jul-19	Wed	5	117	Francey	Formal Urea Kinetics Analysis (part 2)
5-Jul-19	Fri	5	118	Cowgill/Francey	Academy Discussion/Rounds #18
8-Jul-19	Mon	5	119	Cowgill	Formal Urea Kinetics Analysis (part 3)
10-Jul-19	Wed	5	120	Cowgill	Formal Urea Kinetics Analysis (part 4)
12-Jul-19	Fri	5	121	Cowgill	International RRR #19
15-Jul-19	Mon	5	122	Cowgill	Continuous Equivalent Assessment and "Home Dialysis"

17-Jul-19	Wed	5	123	Francey	Delivering an Adequate Dialysis Dose
19-Jul-19	Fri	5	124	Cowgill/Francey	Academy Discussion/Rounds #19
Module #6 Therapeutic Apheresis					
22-Jul-19	Mon	6	125	Cowgill	Centrifugal Apheresis Systems: Extracorporeal Blood Path
24-Jul-19	Wed	6	126	Cowgill	Centrifugal Apheresis Systems: Machine Interfaces and Monitoring
26-Jul-19	Fri	6	127	Cowgill	International RRR #20
29-Jul-19	Mon	6	128	Cowgill	Centrifugal Therapeutic Plasma Exchange Prescription (Part 1)
31-Jul-19	Wed	6	129	Cowgill	Centrifugal Therapeutic Plasma Exchange Prescription (Part 2)
2-Aug-19	Fri	6	130	Cowgill	Academy Discussion/Rounds #20
5-Aug-19	Mon	6	131	Palm	Case Examples of Therapeutic Plasma Exchange
7-Aug-19	Wed	6	132	Cowgill	Leukopheresis-Terumo CMNC and MNC Systems
9-Aug-19	Fri	6	133	Cowgill	International RRR #21
12-Aug-19	Mon	6	134	Francey	Filtration Therapeutic Plasma Exchange Prescription (Part 1)
14-Aug-19	Wed	6	135	Francey	Prescription of Filtration TPE (part 2)
16-Aug-19	Fri	6	136	Cowgill/Francey/Palm	Academy Discussion/Rounds #21
19-Aug-19	Mon	6	137	Cowgill	Leukopheresis-Terumo CMNC and MNC Systems
21-Aug-19	Wed	6	138	Guest TBD	Therapeutic Apheresis in Human Medicine
23-Aug-19	Fri		139	Cowgill	International RRR #22
Module #7 Special Topics					
26-Aug-19	Mon	7	140	Faculty	Wrap-up_ Setting up your hemodialysis program
28-Aug-19	Wed	7	141	Foster	Water Management for Hemodialysis
30-Aug-19	Fri	7	142	Cowgill	Academy Discussion/Rounds #22
2-Sep-19	Mon	7	143	Foster	Water Management for Hemodialysis
4-Sep-19	Wed	7	144	Langston	Hemodialysis Database (part 1)
6-Sep-19	Fri	7	145	Cowgill	International RRR #23
9-Sep-19	Mon	7	146	Langston	Hemodialysis Database (part 2)
11-Sep-19	Wed	7	147	Cowgill/Foster	Certification of Extracorporeal Programs and Personnel
13-Sep-19	Fri	7	148	Faculty	End of the 2016-2017 Hemodialysis Academy