Hemodialysis Academy 2016-2017 Curriculum

Module #1 Introduction to Hemodialysis and Extracorporeal Therapies
14-Sep-2016 Wed Hemodialysis Academy Introduction/Orientation
16-Sep-2016 Fri Hemodialysis Academy Introduction/Orientation/ Rounds Presentation
19-Sep-2016 Mon History of Hemodialysis and Extracorporeal Therapies (part 1)
21-Sep-2016 Wed History of Hemodialysis & Extracorporeal Therapies (part 2)
23-Sep-2016 Fri International RRR
26-Sep-2016 Mon Principles of Hemodialysis (part 1)
28-Sep-2016 Wed Principles of Hemodialysis (part 2)
30-Sep-2016 Fri Hemodialysis Rounds/Discussion
3-Oct-2016 Mon Principles of Hemodialysis (part 3)
5-Oct-2016 Wed Principles of Hemoperfusion (part 1)
7-Oct-2016 Fri International RRR
10-Oct-2016 Mon Principles of Hemoperfusion (part 2)
12-Oct-2016 Wed Principles of Therapeutic Apheresis (part 1)
14-Oct-2016 Fri Hemodialysis Rounds/Discussion
17-Oct-2016 Mon Principles of Therapeutic Apheresis (part 2)
19-Oct-2016 Wed Principles of CRRT (Part 1)
21-Oct-2016 Fri International RRR
24-Oct-2016 Mon Principles of CRRT (Part 2)
26-Oct-2016 Wed Principles of Hybrid Therapies
28-Oct-2016 Fri Hemodialysis Rounds/Discussion
31-Oct-2016 Mon Principles of Peritoneal Dialysis (Part 2)
2-Nov-2016 Wed Principles of Peritoneal Dialysis (Part 1)
4-Nov-2016 Fri International RRR

Module #2 Management of AKI and Indications for Extracorporeal Therapies
7-Nov-2016 Mon Medical Management of Acute Kidney Injury-Overview
9-Nov-2016 Wed Medical Management of Acute Kidney Injury-Urine Production and Fluid Therapy
11-Nov-2016 Fri Hemodialysis Rounds/Discussion
14-Nov-2016 Mon Medical Management of Acute Kidney Injury-Systemic Manifestations and Drugs
16-Nov-2016 Wed ASN
18-Nov-2016 Fri ASN
21-Nov-2016 Mon Medical Management of Acute Kidney Injury-Acid-base & Electrolytes
23-Nov-2016 Wed Thanksgiving Break
25-Nov-2016 Fri Thanksgiving Break
28-Nov-2016 Mon Acute-on-Chronic Kidney Disease
30-Nov-2016 Wed Indications for Hemodialysis
2-Dec-2016 Fri International RRR
5-Dec-2016 Mon Indications for Hemoperfusion
7-Dec-2016 Wed Indications for CRRT
9-Dec-2016 Fri Case Examples of IHD and Hemoperfusion
12-Dec-2016 Mon Case Examples of CVVH, CVVHD, and CVVHDF
14-Dec-2016 Wed Indications for Centrifugal Apheresis w/ Case Examples
16-Dec-2016 Fri International RRR
19-Dec-2016 Mon Indications for Filtration Apheresis w/ Case Examples
21-Dec-2016 Wed Extracorporeal Elimination of Poisons and Drugs w/ Case Examples
23-Dec-2016 Fri Holiday Break
26-Dec-2016 Mon Holiday Break
28-Dec-2016 Wed Holiday Break
30-Dec-2016 Fri Holiday Break
2-Jan-2017 Mon New Year's Break
4-Jan-2017 Wed Indications for Peritoneal Dialysis
6-Jan-2017 Fri International RRR
9-Jan-2017 Mon Case Examples of Peritoneal Dialysis

Module #3 Extracorporeal Systems, Machines, and Prescribing IHD Therapies
11-Jan-2017 Wed Intermittent Hemodialysis Systems (part 1) Extracorporeal Blood Path
13-Jan-2017 Fri Hemodialysis Rounds/Discussion
18-Jan-2017 Wed Intermittent Hemodialysis Systems (part 3)_ Ultrafiltration Systems
20-Jan-2017 Fri International RRR
23-Jan-2017 Mon Intermittent Hemodialysis Systems (part 4)_ Monitoring Systems
25-Jan-2017 Wed Intermittent Hemodialysis Systems (part 5)_ Adjunct Monitoring Systems
27-Jan-2017 Fri Hemodialysis rounds/Discussion
30-Jan-2017 Mon Hemodialyzers (Membrane Materials _ Manufacturer, Part1)
1-Feb-2017 Wed Hemodialyizers (Membrane Materials _ Manufacturer, Part2)
3-Feb-2017 Fri International RRR
6-Feb-2017 Mon Hemodialyzers, Hemofilters, Plasma Filters, Plasma Separators
8-Feb-2017 Wed Vascular Access (Catheters)
10-Feb-2017 Fri Hemodialysis Rounds/Discussion
13-Feb-2017 Mon Vascular Access: Complications
17-Feb-2017 Fri International RRR
20-Feb-2017 Mon Vascular Access (Catheter Performance Monitoring)
24-Feb-2017 Fri Hemodialysis Rounds/Discussion
27-Feb-2017 Mon Anticoagulation Part 2 (Alternative Anticoagulation Strategies)
1-Mar-2017 Wed Complications of Anticoagulation
3-Mar-2017 Fri International RRR
6-Mar-2017 Mon Deciding When to Initiate Dialysis
8-Mar-2017 Wed Role of Dialysis in Correcting Uremia
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<tr>
<th>Date</th>
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<th>Topic</th>
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<tbody>
<tr>
<td>10-Mar-2017</td>
<td>Fri</td>
<td>Hemodialysis Rounds/Discussion</td>
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<tr>
<td>13-Mar-2017</td>
<td>Mon</td>
<td>IHD Machines: Options and Differences and Availability</td>
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<td>17-Mar-2017</td>
<td>Fri</td>
<td>International RRR</td>
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<td>22-Mar-2017</td>
<td>Wed</td>
<td>IHD Prescription (Part 3): Configuring the Dialysate #1</td>
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<td>24-Mar-2017</td>
<td>Fri</td>
<td>Hemodialysis Rounds/Discussion</td>
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<tr>
<td>27-Mar-2017</td>
<td>Mon</td>
<td>IHD Prescription (Part 4): Configuring the Dialysate #2</td>
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<td>31-Mar-2017</td>
<td>Fri</td>
<td>International RRR</td>
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<td>3-Apr-2017</td>
<td>Mon</td>
<td>IHD Prescription (Part 6): Urea Reduction Prescription</td>
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<td>5-Apr-2017</td>
<td>Wed</td>
<td>IHD Prescription (Part 7): Anticoagulation</td>
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<td>7-Apr-2017</td>
<td>Fri</td>
<td>Hemodialysis Rounds/Discussion</td>
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<td>10-Apr-2017</td>
<td>Mon</td>
<td>IHD Prescription (Part 8): Monitoring Anticoagulation</td>
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<td>12-Apr-2017</td>
<td>Wed</td>
<td>IHD Prescription (Part 9): Delivering the IHD Prescription</td>
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<td>14-Apr-2017</td>
<td>Fri</td>
<td>Spring Break</td>
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<td>17-Apr-2017</td>
<td>Mon</td>
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<td>19-Apr-2017</td>
<td>Wed</td>
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<tr>
<td>21-Apr-2017</td>
<td>Fri</td>
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<td>24-Apr-2017</td>
<td>Mon</td>
<td>IHD Prescription (Part 10): Delivering slow treatments on an IHD Platform</td>
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<td>26-Apr-2017</td>
<td>Wed</td>
<td>Intradialytic Complications of IHD</td>
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<td>28-Apr-2017</td>
<td>Fri</td>
<td>International RRR</td>
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<tr>
<td>1-May-2017</td>
<td>Mon</td>
<td>Interdialytic Complications and Management of IHD Patients</td>
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<td>3-May-2017</td>
<td>Wed</td>
<td>When to Discontinue IHD</td>
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<tr>
<td>5-May-2017</td>
<td>Fri</td>
<td>Hemodialysis Rounds/Discussion--Chronic Hemodialysis</td>
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**Module #4 Extracorporeal Systems, Machines, and Prescribing CRRT Therapies**

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<tr>
<td>8-May-2017</td>
<td>Mon</td>
<td>Continuous Renal Replacement Therapy (Part 1): CRRT Systems &amp; Machines</td>
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<tr>
<td>10-May-2017</td>
<td>Wed</td>
<td>Continuous Renal Replacement Therapy (Part 2): CRRT Modalities</td>
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<td>12-May-2017</td>
<td>Fri</td>
<td>International RRR</td>
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<td>15-May-2017</td>
<td>Mon</td>
<td>Continuous Renal Replacement Therapy (Part 4): CRRT Prescription #2</td>
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<tr>
<td>17-May-2017</td>
<td>Wed</td>
<td>Continuous Renal Replacement Therapy (Part 3): CRRT Prescription #2</td>
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<td>19-May-2017</td>
<td>Fri</td>
<td>Hemodialysis rounds/Discussion</td>
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<td>22-May-2017</td>
<td>Mon</td>
<td>Continuous Renal Replacement Therapy (Part 3): CRRT Prescription #3 (Blood Prime)</td>
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<td>24-May-2017</td>
<td>Wed</td>
<td>Continuous Renal Replacement Therapy (Part 4): Delivery of CRRT</td>
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<td>26-May-2017</td>
<td>Fri</td>
<td>International RRR</td>
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<td>29-May-2017</td>
<td>Mon</td>
<td>Continuous Renal Replacement Therapy (Part 5): &quot;CRRT Math for Dummies&quot; and Case Examples of CVVH, CVVHD, and CVVHDF</td>
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<td>31-May-2017</td>
<td>Wed</td>
<td>Continuous Renal Replacement Therapy (Part 6): Case Examples of CVVH, CVVHD, and CVVHDF</td>
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<td>2-Jun-2017</td>
<td>Fri</td>
<td>Hemodialysis Rounds/Discussion</td>
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<td>5-Jun-2017</td>
<td>Mon</td>
<td>ACVIM Break</td>
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<td>7-Jun-2017</td>
<td>Wed</td>
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<tr>
<td>9-Jun-2017</td>
<td>Fri</td>
<td>ACVIM Break</td>
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**Module #5 Quality Assurance, Adequacy, and KDIGO Guidelines for Hemodialysis**
12-Jun-2017 Mon Adequacy Assessment, Quality Assurance & KDIGO Guidelines for Hemodialysis
14-Jun-2017 Wed Outcomes for Renal Replacement Therapies in Animals
16-Jun-2017 Fri Hemodialysis Rounds/Discussion
19-Jun-2017 Mon Formal Urea Kinetics Analysis (part 1)
21-Jun-2017 Wed Formal Urea Kinetics Analysis (part 2)
23-Jun-2017 Fri International RRR
26-Jun-2017 Mon Formal Urea Kinetics Analysis (part 3)
30-Jun-2017 Fri Hemodialysis Rounds/Discussion
3-Jul-2017 Mon Continuous Equivalent Assessment and "Home Dialysis"
5-Jul-2017 Wed Delivering an Adequate Dialysis Dose
7-Jul-2017 Fri International RRR

Module #6 Therapeutic Apheresis and Special Topics
10-Jul-2017 Mon Therapeutic Apheresis Systems (part 1)_ Extracorporeal Blood Path
12-Jul-2017 Wed Centrifugal Therapeutic Plasma Exchange Systems
14-Jul-2017 Fri Hemodialysis Rounds/Discussion
17-Jul-2017 Mon Centrifugal Therapeutic Plasma Exchange Prescription (Part 1)
19-Jul-2017 Wed Centrifugal Therapeutic Plasma Exchange Prescription (Part 2)
21-Jul-2017 Fri International RRR
24-Jul-2017 Mon Case Examples of Therapeutic Plasma Exchange
26-Jul-2017 Wed Leukopheresis-Terumo CMNC and MNC Systems
28-Jul-2017 Fri International RRR
31-Jul-2017 Mon Filtration Therapeutic Plasma Exchange Prescription (Part 1)
2-Aug-2017 Wed Cascade Plasma Exchange and Case Examples of Filtration TPE
4-Aug-2017 Fri Therapeutic Apheresis in Human Medicine
7-Aug-2017 Mon Wrap-up_ Setting up your hemodialysis program
9-Aug-2017 Wed Water Management for Hemodialysis
11-Aug-2017 Fri Hemodialysis Rounds/Discussion--Review of Academy Topics
14-Aug-2017 Mon Open Topic or Review
16-Aug-2017 Wed End of the 2016-2017 Hemodialysis Academy