



MINISTRY OF NATIONAL GUARD – HEALTH AFFAIRS
 Prince Mohammed Bin Abdulaziz Hospital (PMBAH) – Madinah
 Postgraduate Education and Academic Affairs

Dialysis Catheter Day

TIME	DURATION	TOPIC	SPEAKER
07:30 – 08:00	30 Min	Registration / Coffee	
08:00 – 08:10	10 Min	Introduction	Course director
08:10 – 08:40	30 Min	ESRD in K.S.A.	Dra. Nawal Basri
08:40 – 09:10	30 Min	DOQI guidelines	Dr. Shoeb Kosgi
09:10 – 09:30	20 Min	MDT meeting / Access planning	Dr. Mohieldin Hezima
09:30-10:00	30 Min	HD Catheter session I - Types - Indications - How to choose the proper catheter	Dr. Essam Ayad
10:00 – 10:15	15 Min	Break	
10:15 – 11:00	45 Min	HD Catheter Session II -Techniques Insertion (Temporary / Permanent) Exchange (Infection / Malfunction) Removal -Tips / Tricks	Dr. Ahmed Haroun
11:00-11:30	30 Min	Procedural Complications	Dr. Rayan El Berry
11:30 – 12:00	30 Min	Catheter Care: (Dressing & locking solutions) Catheter Malfunction. Trouble shooting	Ms. Ibtesam Mahmoud
12:00 – 01:30	90 Min	Pray / Lunch	
01:30-01:50	20 Min	Complications - Line sepsis	Dr. Shoeb Kosgi
1:50 – 2:10	20 Min	Complications - Catheter related thrombosis	Dr. Mohammed Omar
02:10-02:45	35 Min	Complications - C.V. stenosis / SVC Syndrome	Dr. Al Muaiqel
02:45-03:00	15 Min	Break	
03:00 – 03:45	45 Min	Real life scenarios/ discussion - ER / HD unit / Ward/ICU	Dr. Essam Ayad Ms. Ibtesam Mahmoud
03:45-04:45	60 Min	Tables: Hands on - Catheter types - Dressing techniques - Locking solutions	Instructors
04:45	END OF DAY		



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Ultrasound Guided Vascular Access

(20 candidates)

TIME	DURATION	TOPIC	SPEAKER
07:30 – 08:00	30 Min	Registration	
08:00 – 08:15	15 Min	Introduction	Course Director
08:15 – 09:00	45 Min	Vascular Access Overview: - Type - Contraindications - Indications - Precautions	Dr. Essam Ayad
09:00 – 10:00	15 Min	Understanding Ultrasound Basics: • Basic concept: how the picture is created?	Dr. Essam Ayad
	45 Min	- Unit Components: - Transducers - CPU - Keyboard - Screen - Transduction: - Probes: (Types & Movements.) - Videos - Modes: (Brightness - Color – Pulse)	Dr. Mohammed Omar
10:00 – 10:15	15 Min	Break Time	
10:15 – 10:45	30 Min	Knobology: (Know your machine) - Basic machine design. - Basic keyboard buttons: a) Function buttons: - Modes - Frequency - Focus - Depth b) Editing buttons: (Data entry) c) Freezing d) Measuring - Probe Marks. - Machine set-up.	Application Specialist
10:45 – 11:00	15 Min	Vascular anatomy: (Neck, Groin & UL) Ultrasound anatomy: - Patient position for Groin, Neck & UL exam - Probe orientation / views - Pictures for each region	Dr. Nabil Batheeb
11:00 – 11:30	30 Min		
11:30-12:15	45 Min	Ultrasound Guided Needling: - Techniques & Videos - Tips / Tricks	Dr. Ahmed Haroun
12:15 – 13:30	75 Min	Prayer and Lunch	
Divide Class into (4) Groups		LIVE PATIENT HANDS-ON	
13:00 – 14:30		NECK	
	45 Min	Group 1	Group 2
	45 Min	Group 4	Group 3
14:30 – 16:00		GROIN	
	45 Min	Group 3	Group 4
	45 Min	Group 2	Group 1
		MANIKIN HANDS-ON	
14:30 – 16:00		MANIKIN HANDS-ON	
	45 Min	Group 1	Group 3
	45 Min	Group 2	Group 4
14:30 – 16:00		MANIKIN HANDS-ON	
	45 Min	Group 4	Group 2
	45 Min	Group 3	Group 1
16:30		END OF DAY	



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Surgical Access Day

TIME	DURATION	TOPIC	SPEAKER
07:30 – 08:00	30 Min	Registration / Coffee	
08:00 – 08:15	15 Min	Introduction / Access Type	Dr. Essam Ayad
08:15-09:00	45 Min	• Access Planning: - History / Clinical Exam.	Dr. Rayan El berry
		- Role of Vascular Lab.	Dr. Mohieldin Hezima
		- MDT Meeting	Dr. Essam Ayad
09:00-10:00	60 Min	• Access Creation: - AVF or AVG - Technique of Endo to side Anastomosis - Tips & Tricks in Vascular Anastomosis - Disperate Access	Dr. Essam Ayad Dr. Kamal Al Zoghby Dr. Essam Ayad Dr. Rayan El berry
10:00-10:15	15 min	Break	
10:15-10:45	30 Min	• Access Maturation: - Criteria for maturation - Balloon Assisted Maturation - Primary Access failure	Dr. Wesam Abuznadah
10:45-11:30	45 Min	• Access Care: - Needling technique - Dressing types - Trouble shooting	Ms. Ibtesam Mahmoud
11:30-12:15	45 Min	• Access Recirculation / Surveillance - Recirculation - AVF Surveillance - AVG Surveillance	Dr. Nabil Batheeb
12:15 – 01:30	90 Min	Pray / Lunch	
01:30 – 02:00	30 Min	• Access Complications: - 2ry (late) failure - Non-thrombotic Complications a) Bleeding d) Infection b) Aneurysm e) Ischemia c) Venous HTN	Dr. Essam Ayad
02:00 - 2:30	30 Min	• Role of Endovascular Interventions - Balloon Assisted Maturation - Access Salvage a) Thrombectomy devices (Angiojet) b) Balloon Angioplasty - Central Venous stenosis /Occlusion - Use of stents in venous stenosis	Dr. Ahmed Haroun
2:30 - 3:00	30 Min	• Case presentations: - Case I - Case II	Dr. Mohieldin Hezima Dr. Rayan El berry
03:00 – 04:30	90 Min	• End to side Anastomosis (20 candidates) - Hands on practice	Instructors



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