

**15<sup>th</sup> WORLD INTERACTIVE  
NETWORK FOCUSED ON CRITICAL  
ULTRASOUND (WINFOCUS)  
WORLD CONGRESS ON ULTRASOUND IN  
EMERGENCY & CRITICAL CARE**

February 21 - 24, 2019 | Dubai, United Arab Emirates  
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**WINFOCUS  
DUBAI 2019**

## Post Congress Course

### WINFOCUS More than Basic Echocardiography Course (WMTBE)

24<sup>th</sup> February 2019 | Sunday

Course Director: Dr. Arif Hussain, KSA

07:30 - 08:00	Registration	
08:00 - 08:15	Introduction to Echodynamics	Arif Hussain
08:15 - 08:35	Doppler and Physics	Raoul Breitkreutz
08:35 - 08:55	Volume Assessment	Gabriele Via
08:55 - 09:15	LV systolic function assessment	Zeyad Al Rais
09:15 - 09:35	RV systolic function assessment	Ashraf Al Tayar
09:35 - 09:55	Estimation of LV filling pressure (diastology in practice)	Jan Poelaert
09:55 - 10:10	Coffee Break	
10:10 - 12:30	Hands On: 1	
	<ul style="list-style-type: none"> <li>• Volume status assessment (IVC size and resp variations)</li> <li>• Volume status assessment (LVOT VTI changes with PLR, and with respiratory variation)</li> <li>• LV systolic function (radial function: FS and FAC)</li> <li>• LV systolic function (longitudinal and overall function: MAPSE &amp; EF)</li> <li>• RV systolic function (TAPSE, RV in 4Ch, RVOT)</li> <li>• CO measurement</li> </ul>	Gabriele Via Jan Poelaert Ahmed Tarek Arif Hussain Ashraf Al Tayar Raoul Breitkreutz
12:30 - 13:30	Lunch Break	
13:30 - 13:50	Measurement of CO and PAP	Ashraf Al Tayar
13:50 - 14:10	Tamponade	David Riley
14:10 - 14:30	Septic Shock	Arif Hussain
14:30 - 14:50	Acute Cor Pulmonale: Pulmonary Embolism & ARDS	David Riley
14:50 - 15:10	Gross valvular pathology	Jan Poelaert
15:10 - 15:30	Complications of Myocardial Infarction	Arif Hussain
15:30 - 15:45	Coffee Break	
15:45 - 18:00	Hands On: 2	
	Diastology and estimation of LV filling pressures PAP measurement Estimate LA pressure and diastology PW, CW and color Doppler knobology RV filling pressures (TV PW and Suprahepatic veins PW) Case Discussion	Jan Poelaert David Riley Ahmed Tarek Raoul Breitkreutz Ashraf Al Tayar Arif Hussain
	End of the Course	



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