### DAY 1: Wednesday 5th July 2017

**Time** | **Topic** | **Faculty**
---|---|---
**08.30 - 09.00 am** | The Physics of Arterial Blood pressure, Central Venous Pressure & Pulmonary Arterial Pressure | Dr Nayana Amin
**09.00 - 09.30 am** | From noninvasive to invasive monitoring to minimally invasive monitoring - Have we turned a full circle? | Dr Khusrav Bajan
**09.30 - 10.00 am** | Cardiogenic Shock - From medical therapy to mechanical support | Dr Muralidhar Kanchi

**10:00 - 10:30 am** | **TEA BREAK** |

**10:30 - 1:10 pm** | **STATION I (4 rotations of 40 mins each)** |

**10.30 - 11.10 am** | Central Venous Pressure - set up and interpretation | Dr Nayana Amin, Dr Jyoti Shendge, Dr Riyas A
**11.10 - 11.50 am** | Invasive BP monitoring - Arterial line set up and interpretation | Dr Simran Singh, Dr Kayanoosh Kadapatti, Dr Parijat Das
**11.50 - 12.30 pm** | Pulmonary Artery Catheter - Data interpretation in different clinical setting | Dr Khusrav Bajan, Dr Vivek Kumar
**12.30 - 1.10 pm** | Assessing Fluid Responsiveness: Fluid challenge and other clinical parameters! | Dr Muralidhar Kanchi, Dr Sumit Ray

**1.10 pm - 2.00 pm** | **LUNCH** |

**02.00 - 02.30 pm** | Methods of Monitoring Cardiac Output: An overview | Dr Simran Singh
**02.30 - 03.00 pm** | Overview of inotropes and vasopressors in shock. | Dr Sumit Ray
**03:00 - 03.30 pm** | Hypovolemic Hemorrhagic Shock | Dr Khusrav Bajan

**03.30 - 03.45 pm** | **TEA BREAK** |

**03.45 - 05.30 pm** | **STATION II (4 rotations of 40 mins each)** |

**03.45 - 04.25 pm** | PICCO - From BASIC PRINCIPLES to BEDSIDE | Dr Nayana Amin, Dr Sumit Ray, Dr Mohammed Mustafa Samir
**04.25 - 05.05 pm** | FLOTRAC - Non Invasive CO monitoring | Dr Simran Singh, Dr Kayanoosh Kadapatti
**05.05 - 05.45 pm** | Integration of Hemodynamic data at bedside I - CASE SCENARIO 1. Obstructive shock 2. Cardiogenic shock | Dr Muralidhar Kanchi, Dr Jyoti Shendge
**05.45 - 06.25 pm** | Integration of Hemodynamic data at bedside II - CASE SCENARIO 3. Septic shock 4. Hypovolemic hemorrhagic shock | Dr Khusrav Bajan, Dr Vivek Kumar

### DAY 2: THURSDAY 6th July 2017

**Time** | **Topic** | **Faculty**
---|---|---
**08.30 - 09.00 am** | Echo and Hemodynamics - basic views & septic shock profile | Dr Vivek Kumar
**09.00 - 09.30 am** | Echo and Hemodynamics - case discussion / Identifying abnormal echo diagnosis | Dr Vivek Kumar
**09.30 - 10.00 am** | Echo and Hemodynamics - cardiogenic and obstructive Shock Profile | Dr Rahul Pandit
**10.00 - 10.30 am** | Echo and Hemodynamics - assessing and optimising the fluid status | Dr Rahul Pandit

**10.30 - 11.00 am** | **TEA BREAK** |

**11.00 - 11.30 am** | Assessing Fluid Responsiveness - A review of techniques | Dr Sheila Myatra
**11.30 - 12.00 pm** | Diastolic Heart Failure - What's new! | Dr Rahul Pandit
**12.00 - 12.30 pm** | Algorithmic approach to Shock | Dr Sumit Ray
**12.30 - 01.00 pm** | Ultrasound in the critically ill | Dr Khusrav Bajan
**01.00 - 02.00 pm** | **LUNCH** |
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<thead>
<tr>
<th>Time</th>
<th>Lecture</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>02:00 - 02.30 pm</td>
<td>Central Venous Pressure monitoring - To use or not to use - That is the question?</td>
<td>Prof Didier Payen</td>
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<td>02.30 - 03.00 pm</td>
<td>Does the PA catheter still have a role in the ICU?</td>
<td>Prof Daniel DeBacker</td>
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<td>03.00 - 03.30 pm</td>
<td>Understanding and applying Lactate, ScVO2 and VApCO2 difference</td>
<td>Dr Sameer Jog</td>
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<td>03.30 - 03.45 pm</td>
<td><strong>TEA BREAK</strong></td>
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<td>03.45 - 04.15 pm</td>
<td>Microcirculation targeted therapy - Are we ready?</td>
<td>Prof Daniel DeBacker</td>
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<td>04.15 - 04.45 pm</td>
<td>Fluid therapy in various disease settings - AKI, Heart Failure, Septic Shock</td>
<td>Prof Didier Payen</td>
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<td>04.45 - 05.15 pm</td>
<td>HD Monitoring - What have we learnt over the past 50 years!</td>
<td>Prof Daniel DeBacker</td>
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