

Thursday

Pre-course TEE workshop – Steve Biko Academic Hospital

F Mamdoo, A Patel , T de Beenhouwer , F Mookadam , B Khandheria

Pre-course workshop - Building from the basics- Steve Biko Academic Hospital

F Peters ,N Maharaj, C Kramer

8.30 Registration

8.45 Welcome

Pre-course Session 1

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|-------|--|----------|
| 8.50 | Essential physics for echocardiography | F Peters |
| 9.40 | Machine settings | C Kramer |
| 10.10 | Applied anatomy 1 | F Peters |
| 10.35 | Tea | |
| 11.00 | Applied anatomy 2 | C Kramer |
| 11.35 | Key cardiovascular physiology | F Peters |
| 12.10 | Applied integrated cardiovascular physiology | C Kramer |
| 12.35 | Lunch | |

Pre-course session 2

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|-------|--|-----------|
| 13.30 | The essential m-mode traces to know in 2018 | N Maharaj |
| 13.50 | How to do key left heart measurements accurately | C Kramer |
| 14.25 | How to do key right heart measurements | F Peters |
| 14.50 | Doppler traces- rapid fire | N Maharaj |
| 15.15 | TEA | |

Pre-course session 3

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|-------|---|-----------------------------|
| 15.40 | How to do tissue doppler –pitfalls and pearls | C Kramer |
| 16.15 | Getting to grips with the diastolic recommendations | N Maharaj |
| 16.40 | Case interpretation | P Nihoyanopoulos & C Kramer |

17. 20 Closing remarks

Friday

Pre-course workshop on 3D TEE-Flora Clinic –Johannesburg F Mamdoo, F Mookadam ,B Khandheria

Pre-course Workshop on Valvular heart disease- Johannesburg

8.15 Registration

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8.15 Registration

Pre-course session 1- Native valve assessment

Chair F Peters

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|-------|---|--------------|
| 8.30 | Basic and advanced applications of colour doppler | C Kramer |
| 9.00 | Recognising pitfalls and limitations of assessment of valves using echo | F Peters |
| 9.15 | Mitral regurgitation (cases only) | C Kramer |
| 9.40 | Mitral stenosis | R Meel |
| 10.00 | Aortic stenosis | B Cupido |
| 10.25 | Aortic regurgitation (cases only) | D Ignatowski |
| 10.45 | Tea | |

Pre-course session 2- Prosthetic valve assessment

Chair :P Nihoyannopoulos

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| 11.10 | Key issues in dealing with prosthetic valves for the echocardiographer | F Peters |
| 11.30 | Cases illustrating how to assess for prosthetic valve stenosis | D Ignatowski |
| 11.55 | Cases illustrating how to assess for prosthetic valve regurgitation | P Nihoyannopoulos |
| 12.20 | Case based learning –interpreting data correctly | C Kramer and F Peters |
| 12.50 | Lunch | |

Friday

13.45 Opening of New horizons in Echocardiography 2018

Session 1: The Aorta

Chair :B Khandheria , F Peters

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| 14.00 | What are the key measurements to be performed and limitations of assessing the aorta on echo | C Kramer |
| 14.10 | Case Examples of abnormalities of the aortic valve and aorta | B Khandheria |
| 14.30 | Genetic abnormalities and the aorta | F Peters |
| 14.40 | Acute aortic syndromes- 4 illustrative cases | F Mookadam |
| 15.00 | HIV and the aorta- what to look for | R Meel |
| 15.10 | Rapid fire cases , I present you diagnose | B Khandheria |

Tea 15.35-16.00

Session 2 : Pulmonary Hypertension and Pulmonary vascular disease

Chairs: P Nihoyanopoulos , F Mookadam

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|-------|--|-------------------|
| 16.00 | Key clinical concepts in pulmonary hypertension | F Peters |
| 16.20 | Can echo help unravel aetiology and prognosis in pulmonary HT? | P Nihoyannopoulos |
| 16.40 | Acute pulmonary thromboembolism- 3 challenging scenarios | F Peters |
| 17.05 | Pregnancy and pulmonary hypertension-what are the issues | B Cupido |
| 17.25 | Rapid fire cases | P Nihoyannopoulos |
| 17.55 | Closing remarks | |

Saturday

7.15 Torque breakfast seminar

8.25 Session 3 Coronary artery disease

Chairs : F Mamdoo & F Mookadam

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|------|--|-------------------|
| 8.30 | Understanding the key pathophysiological concepts of coronary disease | C Libhaber |
| 8.45 | Key echocardiographic principles to be applied when assessing coronary disease patients | C Kramer |
| 9.00 | Case studies illustrating key pathophysiological concepts of coronary disease using echo | P Nihoyannopoulos |
| 9.25 | Can you recognise these complications of acute MI? | B Khandheria |
| 9.50 | Rapid fire cases | F Mamdoo |

Tea 10.15

Session 3 Case studies in Valvular disease 1-Aortic stenosis

Chairs: J Bax , P Nihoyannopoulos

- 10.50 Key principles on how to do Dobutamine echo for
low flow, low gradient Aortic stenosis – cases examples D Ignatowski
- 11.10 We made these errors. Case examples of AS ? B Khandheria
- 11.40 Case Studies of mixed lesions- AS and AR J Bax
- 11.55 Diagnosis and decision making for mixed lesions?
AS and MR F Mookadam
- 12.10 Key pearls when evaluating the patient with AS and
coronary artery disease P Nihoyannopoulos
12. 25 How to work up and select patients for TAVI- cases only J Bax
- 12.50 Lunch

Session 4 Case studies in Valvular disease 2

Chairs: F Mookadam, D Smith

- 13.50 How to measure the tricuspid annulus and assess TR for
patient selected to undergo left sided valve surgery.
Is this important? J Bax
- 14.20 Ebstein anomaly-how to recognise it and assess its severity J Harrisberg
- 14.45 Key assessment of pulmonary stenosis and its clinical
implications A Cilliers
- 15.05 Pearls and pitfalls in the assessment of pulmonary
regurgitation in patient with repaired Tetralogy of Fallot L Zuhlke
- 15.20 Rapid fire- cases to remember F Mookadam
- 15.40 Tea

Session 5 Case studies in Valvular disease 3

Chair: J Bax , A Sarkin

- 16.05 Case studies in MR-Rapid diagnosis and clinical pearls B Khandheria
- 16.30 Ischemic MR- how to recognise it and assess its severity J Bax
- 16.50 Rapid fire : Functional/Organic MR ?
Severity of MR ?
Picklehaube Syndrome
D Ignatowski and, C Kramer
- 17.30 Closing remarks

Sunday

7.15 Breakfast

7.30 -8.30 : Siemens Breakfast session

Case studies demonstrating how to deal with discordant echocardiographic data

Chair J Bax

Presenter: F Peters

Session 6 Case studies in Myocardial diseases

Chair J Bax , F Mookadam

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| 8.45 Is this pathological or physiological hypertrophy | F Peters |
| 9.05 Case studies illustrating pathophysiology in Hypertrophic cardiomyopathy | D. Ignatowski |
| 9.30 Unravelling thick LV walls | F Mookadam |
| 9.55 Correctly identifying and categorizing LVNC | F. Peters |
| 10.05 Rapid fire- Can you diagnoses these myocardial abnormalities? | P Nihoyanopoulos |

Tea 10.30

Session 7 :Case studies in Pericardial disease

Chairs :F Mookadam, P Nihoyannopoulos

Presenters – C. Kramer, D. Ignatowski, F. Mookadam and, F Peters

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| 11.00 Unravelling complicated acute pericarditis | F Mookadam |
| 11.25 Is this pericardial tamponade ? | C Kramer |
| 11.45 Constriction /Restriction? | F Mookadam |
| 12.10 Rapid fire case - diagnostic and therapeutic dilemmas in pericardial disease | D Ignatowski |
| 13.00 Closing remarks | |