

# SUNECHO Provisional Programme

4 – 7 May 2021 | Protea Hotel, Techno Park, Stellenbosch



**SUNECHO**  
CRITICAL THINKING IN ECHOCARDIOGRAPHY

## TUESDAY 4 MAY 2021

### Principles and fundamentals of echocardiography

07h00 – 07h50  
07h50 – 08h00

Registration  
Welcome and introduction

#### SESSION 1

08h00 – 08h45

Applied cardiac morphology – Understanding the echo views

08h45 – 09h30

Knobology and image optimization  
– Understanding the echo machine

09h30 – 10h00

Concepts in Doppler 1

#### 10h00 – 10h30

#### MORNING TEA

#### SESSION 2

10h30 – 11h00

Concepts in Doppler 2

11h00 – 11h20

Critical thinking focus session – Doppler

11h20 – 12h00

The TTE examination – a systematic approach

12h00 – 12h45

Critical thinking in echocardiography

#### 12h45 – 13h45

#### LUNCH

#### SESSION 3

13h45 – 14h25

The TOE examination – a systematic approach

14h25 – 15h05

Assessment of global LV systolic function

#### 15h05 – 15h35

#### AFTERNOON TEA

#### SESSION 4

15h35 – 15h55

Assessment of regional LV function

15h55 – 16h25

Critical Thinking Focus session: Which coronary is it?

16h25 – 17h00

Artefacts and common pitfalls in echocardiography

## WEDNESDAY 5 MAY 2021

### Evaluating cardiac function and haemodynamics

#### SESSION 5

09h00 – 09h30

Complications of myocardial infarction

09h30 – 10h30

**Welllab session:** Getting to grips with cardiac morphology

#### 10h30 – 11h00

#### MORNING TEA

#### SESSION 6

11h00 – 11h45

LV diastolic function assessment

11h45 – 12h15

Critical thinking focus session: Diastology cases

#### 12h15 – 13h15

#### LUNCH

#### SESSION 7

13h15 – 14h00

Assessment of the right heart and PA pressures

14h00 – 15h00

Case studies in heart muscle disease

15h00 – 15h20

Critical thinking focus session: Heart muscle cases

#### 15h20 – 15h45

#### AFTERNOON TEA

#### SESSION 8

15h45 – 16h15

Echo after stroke

16h15 – 16h55

Cardiac masses: An approach with cases

16h55 – 17h15

Critical thinking focus session: Identify this cardiac mass

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**THURSDAY 6 MAY 2021**

**Valvular heart disease and related structures**

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**SESSION 9**

08h00 – 08h45  
08h45 – 09h15  
09h15 – 09h40

Assessment of aortic stenosis  
Critical thinking focus session: Aortic stenosis  
Aortic coarctation assessment

**09H40 - 10H10**

**MORNING TEA**

**SESSION 10**

10h10 – 10h55  
10h55 – 11h20  
11h20 – 12h00  
12h00 – 12h45

Assessment of Aortic Regurgitation  
Critical thinking focus session: Aortic Regurgitation  
Assessment of the thoracic aorta and pathology  
Tricuspid valve assessment (Heartworks)

**12H45 – 13H45**

**LUNCH**

**SESSION 11**

13h45 – 14h25  
14h25 – 15h00  
15h00 – 15h20

MR: Mitral valve anatomy and TOE exam exploring mechanisms of MR  
MR: Assessing severity  
MR: Systematic assessment of repair

**15H20 – 15H50**

**AFTERNOON TEA**

**SESSION 12**

15h50 – 16h35  
16h35 – 17h05

Mitral stenosis assessment with cases  
Critical thinking focus session: Mitral valve cases

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**FRIDAY 7 MAY 2021**

**The rest**

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**SESSION 13**

08h00 – 08h35  
08h35 – 09h05  
09h05 – 09h45  
09h45 – 10h15

Prosthetic valve evaluation: Aortic valve  
Prosthetic valve evaluation: Mitral valve  
Infective endocarditis  
Critical thinking focus session: Prosthetic valves and endocarditis

**10H15 - 10H45**

**MORNING TEA**

**SESSION 14**

10h45 – 11h30  
11h30 – 12h00

Pericardial disease: Effusion, tamponade and other interesting cases  
Pericardial constriction: Haemodynamics in a nutshell

**12h00 – 13h00**

**LUNCH**

**SESSION 15**

13h00 – 13h35  
13h35 – 14h05  
14h05 – 14h45

Simple GUCH: ASD, AVSD and evaluation for percutaneous closure  
Simple GUCH: VSD evaluation  
Complex GUCH: An approach and illustrative case

**14H45 – 15H15**

**AFTERNOON TEA**

**SESSION 16**

15h15 – 15h45  
15h45 – 16h15  
16h15 – 16h30

Out of Africa: Case studies from Nigeria  
Out of Africa: Case studies from Zambia  
Closing remarks and farewell

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