



University of Cape Town



South African Vascular Ultrasound Course

03 – 06 December 2014, Cape Town

Groote Schuur Hospital

UCT Private Academic Hospital

ACADEMIC PROGRAMME

WEDNESDAY (03/12 2014)

12h30 – 13h00: Welcome

NG Naidoo

13h00 – 14h30: SESSION 1 (*Basic principles of vascular ultrasound*)

13h00 – 13h30: Basic principles of ultrasound & vascular physiology
...as it relates to vascular ultrasound imaging

N Labropoulos

13h30 – 14h00: Overview: Controls for the ultrasound machine
(**Live / interactive**)

A Kadwa

14h00 – 14h30: Performing the scan
(Technique and procedural considerations)
(**Live demonstration**)

N Labropoulos

14h30 – 15h00: TEA

15h00 – 17h30: Practical hands-on session
(*Includes Duplex US-guided vascular access on simulators*)

THURSDAY (04/12/2014)

08h00 – 09h30: SESSION 2 (*Venous - lower extremity*)

- *Primary varicose veins – Great saphenous vein (GSV)*
- *Primary varicose veins – Small saphenous vein (SSV)*
- *Atypical varicose veins*
- *IVC and Iliac vein assessment*
- *Post-thrombotic syndrome*
- *Non-thrombotic iliac vein obstruction*
- *Deep vein thrombosis*

08h00 – 08h20: Anatomico-pathological considerations
(Duplex ultrasound perspective) **NG Naidoo**

08h20 – 08h40: Ultrasound principles and considerations **N Labropoulos**

08h40 – 09h30: Performing the scan
(Technique and procedural considerations)
(Live demonstration) **A Kadwa**

09h30 – 10h00: TEA

10h00 – 12h00: Practical hands-on session

12h00 – 13h00: LUNCH

(Live case transmission: Intravascular ultrasound) **NG Naidoo**

13h00 – 14h30: **SESSION 3** (*Venous - upper extremity; vascular access for haemodialysis and IVUS*)

- *Vein assessment (Subclavian; Axillary; Internal Jugular)*
- *Vein assessment (Basilic; Cephalic)*
- *Assessment of AVF for haemodialysis*
- *Principles of intravascular ultrasound*
- *Axillary - subclavian vein occlusive disease*

13h00 – 13h20: Anatomico-pathological considerations
(Duplex ultrasound perspective) **B Natha**

13h20 – 13h40: Ultrasound principles and considerations **ATO Abdool-Carrim**

13h40 – 14h00: Basic principles of intravascular ultrasound (IVUS) **NG Naidoo**

14h00 – 14h30: Performing the scan
(Technique and procedural considerations)
(Live demonstration) **N Labropoulos**

14h30 – 15h00: TEA

15h00 – 17h30: Practical hands-on session

FRIDAY (05/12/2014)

08h00 – 09h30: SESSION 4 (*Peripheral Arterial Disease - supra-inguinal imaging*)

- *Abdominal aorta (including abdominal aortic aneurysms)*
- *Iliac arteries*
- *Mesenteric vessels*
- *Renal vessels*

08h00- 08h20: Anatomico-pathological considerations **B Natha**
(Duplex ultrasound perspective)

08h20 – 08h40: Ultrasound principles and considerations **ATO Abdool-Carrim**

08h40: 09h30: Performing the scan **N Labropoulos**
(Technique and procedural considerations)
(Live demonstration)

09h30 – 10h00: TEA

10h00 – 12h00: Practical hands-on session

12h00 -13h00: LUNCH

13h00 – 14h30: SESSION 5 (*Peripheral arterial disease - infra-inguinal imaging*)

- *Femoral artery*
- *Popliteal artery*
- *Tibial vessels*
- *Vein assessment and vein marking*

13h00 – 13h20: Anatomico-pathological considerations **ATO Abdool-Carrim**
(Duplex ultrasound perspective)

13h20 – 13h40: Ultrasound principles and considerations **N Labropoulos**

13h40 – 14h30: Performing the scan **A Kadwa**
(Technique and procedural considerations)
(Live demonstration)

14h30 – 15h00: TEA

15h00 – 1730: Practical hands-on session

SATURDAY (06/12/2014)

08h00 – 09h30: SESSION 6 (*Extra-cranial cerebrovascular disease*)

- *Carotid artery*
- *Vertebral artery*
- *Subclavian artery*

08h00- 08h20: Anatomico-pathological considerations
(Duplex ultrasound perspective)

NG Naidoo

08h20 – 08h40: Ultrasound principles and considerations

N Labropoulos

08h40: 09h30: Performing the scan
(Technique and procedural considerations)
(Live demonstration)

A Kadwa

09h30 – 10h00: TEA

10h00 – 12h30: Practical hands-on session

12h30 – 13h00: CLOSE