

# UIP WORLD CONGRESS

## SONOGRAPHY PROGRAM\*

Monday 5<sup>th</sup> – Thursday 8<sup>th</sup> February 2018

**Faculty:** Prof. Nicos Labropoulos (USA), Dr Stephen Black (UK), Dr Paul Gagne (USA), Dr Luis Leon (USA), Dr Tony Gasparis (USA), Dr Gillian Whalley (ASA), Dr Lyndal Macpherson (ASUM), Dr Prakash Saha (UK)

**The UIP 2018 Sonography Program** provides an interesting, comprehensive and practical experience for sonographers as well as physicians using ultrasound in their daily practice.

**The UIP 2018 Sonography Program** will include observational as well as hands-on workshops spanning over 4 days.

**Monday program** covers all you need to know about intravascular ultrasound (IVUS). The IVUS Program is proudly sponsored by Philips Volcano and the teaching will be provided by an expert international faculty including Prof. Nicos Labropoulos (USA), Dr Stephen Black (UK) and Dr Paul Gagne (USA).

**Tuesday workshops** are proudly sponsored by TOSHIBA and will cover all aspects of venous ultrasound. The Program Chair is Prof. Nicos Labropoulos joined by an expert international faculty including Dr Luis Leon (USA) and Dr Tony Gasparis (USA).

**Wednesday program** has been put together by our sister societies, **the Australian Society for Ultrasound in Medicine (ASUM)** and the **Australian Sonographers Association (ASA)**. This program covers an interesting range of topics such as vascular access, MSK, 'funky' soft tissue masses and point of care ultrasound.

**Thursday program** will include 2 hands-on sessions dedicated to practical applications of duplex ultrasound in phlebology. Each session is 120 minutes. Each station is manned by at least one faculty member and a product specialist. The number of participants is limited to allow direct interaction with the instructors. The focus will be on hands-on training. Given the limited available spots and to ensure we maintain small numbers in each group, Hands-on session allocations will be made on a first-in first-served basis.

\* *Program is subject to change*

# Day 1 – Monday 5 February 2018

## SYMPOSIUM AND WORKSHOP

### Intravascular Ultrasound (IVUS)

*Proudly sponsored by Philips Volcano*

Program Chair: Prof. Nicos Labropoulos

Faculty Members: Dr Stephen Black (UK), Dr Paul Gagne (USA)

#### **Session 1 Intravascular Ultrasound (IVUS)**

**1040-1200** Description

- IVUS technology
- Applications of IVUS in phlebology
- Interpretation of IVUS images

# Day 2 – Tuesday 6 February 2018

## SYMPOSIUM AND WORKSHOP

### Duplex Ultrasound in Phlebology

*Proudly sponsored by TOSHIBA*

Program Chair: Prof. Nicos Labropoulos

Program Coordinator: Yana Parsi, Martin Necas

Faculty Member: Dr Luis Leon (USA), Dr Tony Gasparis (USA)

#### **Session 1 Venous Incompetence Studies**

**1040-1200** Description

- Secrets to an accurate comprehensive venous map
- Common pathways of reflux
- Documentation and presentation

#### **Venous Thrombosis Studies**

Description

- B-mode and Doppler identification of venous thrombosis
- Deep veins anatomy
- DVT vs post-sclerotherapy DVS

#### **Session 2 Arm and Neck Veins**

**1400-1600** Description

- Normal arm, axillary and neck vein anatomy
- Paget-Schroetter and subclavian vein thrombosis
- Thoracic outlet syndromes

#### **Venous Miscellaneous**

Description

- How to investigate popliteal vein compression
- Nerves: Sural, saphenous and sciatic
- Small saphenous artery

#### **Session 3 Iliac Veins**

**1640-1840** Description

- How to investigate for May-Thurner syndrome
- Anatomical variations

#### **Pelvic veins**

Description

- How to investigate Pelvic Congestion syndrome
- Ovarian and vulvar veins anatomy
- Anatomical variations

# Day 3 – Wednesday 7 February 2018

## SYMPOSIUM AND WORKSHOP

### BEYOND VEINS: Duplex Ultrasound in Other Body Parts

*Proudly sponsored by TBC*

Program Chair: Dr Lyndal Macpherson (ASUM) and Dr Gillian Whalley (ASA)

Program Coordinator: Yana Parsi

Faculty Members: TBC

#### **Session 1 ASUM: Vascular Access**

**0800-1000** Description

- Identification of normal structures including muscles, tendons and nerves.
- how to use ultrasound to place lines, both central and peripheral.
- Principles of needle guidance

#### **Session 2 ASUM: Beyond Veins**

**1040-1200** Description

- Identification of normal structures of lower limbs including muscles, ligaments and nerves.
- Lower limb joints and tendons.
- Common non-venous pathologies of lower limbs such as Baker's cyst, haematomas

#### **Session 3 ASA: Funky Masses**

**1400-1600** Description

- Common and rare soft tissue masses of abdomen and neck

#### **Session 4 ASA: POCUS (without HOCUS)**

**1640-1840** Description

- Point-of-care Ultrasound
- To identify important critical conditions and guide common procedures

# Day 4 – Thursday 8 February 2018

## HANDS-ON SESSIONS

### Duplex Ultrasound in Phlebology

Program Chair: Yana Parsi

Faculty Members: TBC

4 Stations per session. Each station is 25 minutes, repeated 4 times.

#### Session 1 Duplex Ultrasound and IVUS

1040-1200

##### Station 1. Duplex Ultrasound: B-mode, Knobology and Image Optimisation

*Proudly sponsored by TBC*

Faculty Member: TBC

Description

- Knobology
- Gain, TGC, depth, focus
- Tissue harmonics, compounding, dynamic range
- Pre-sets: vascular vs soft tissue

##### Station 2. IVUS Intravascular Ultrasound

*Proudly sponsored by Philips Volcano*

Faculty Member: Dr Prakash Saha

Description

- Clinical indications and potential limitations of use
- Identify necessary equipment required
- Practice performing IVUS

##### Station 3. Duplex Ultrasound: Doppler Studies

*Proudly sponsored by TBC*

Faculty Member: TBC

Description

- Colour, Power, Specialised Doppler packages
- Spectral analysis and waveforms
- Doppler angles, PRF, sample area

##### Station 4. Duplex Ultrasound: Tips and Tricks in Guiding Vascular Procedures

*Proudly sponsored by TBC*

Faculty Member: Yana Parsi

Description

- Cross-section vs longitudinal
- Fanning vs. heel-toe
- Probe positioning, angle of insonation and the effect on needle visualisation and alignment

**Session 2 Duplex Ultrasound Venous Studies**  
**1400-1600**

**Station 1. Duplex Ultrasound: Venous Mapping**

*Proudly sponsored by TBC*

Faculty Member: TBC

Description

- Superficial venous anatomy- do you know your veins?
- The three superficial venous systems
- Mapping techniques

**Station 2. Duplex Ultrasound: Venous Thrombosis Studies**

*Proudly sponsored by TBC*

Faculty Member: TBC

Description

- B-mode and Doppler identification of venous thrombosis
- How to detect ileo-femoral vein thrombosis
- DVT vs post-sclerotherapy DVS

**Station 3. Duplex Ultrasound: Venous Incompetence Studies**

*Proudly sponsored by TBC*

Faculty Member: TBC

Description

- Definition and pathways of reflux
- Techniques to induce flow
- Colour and spectral documentation of reflux

**Station 4. Duplex Ultrasound: Venous Miscellaneous**

*Proudly sponsored by TBC*

Faculty Member: TBC

Description

- Popliteal entrapment
- Small saphenous artery
- Sural, saphenous and sciatic nerves
- Baker's cyst

## Speaker Profiles



**Prof. Nicos Labropoulos**

Prof. Nicos Labropoulos is currently a professor of Surgery and Radiology at Stony Brook University Hospital, Long Island, NY. He is the director of the Vascular Laboratory and has a major interest in pathophysiology, diagnosis and treatment of vascular diseases.

He completed his undergraduate training at the University of London and his PHD and Vascular Fellowship at St. Mary's Hospital, Imperial College of Science Technology and Medicine, London, UK. Professor Labropoulos is on the editorial board of 11 journals and serves as a reviewer for over 20 medical and surgical journals.

He has been awarded multiple grants for clinical and basic science studies, many prizes in medical and surgical meetings around the world and has been a traveling fellow of the Royal Society of Medicine.

He is actively involved in many national and international vascular and venous societies as well as national committees and accrediting organizations.

He has more than 200 publications, has been cited over 7000 times and he has given over 1000 presentations around the world. He has edited 5 vascular textbooks and has contributed over 55 book chapters on the diagnosis and management of vascular diseases.

He has been working on vascular imaging, aortic wall remodeling, cerebrovascular disease, the development and natural history of chronic venous disorders and venous thromboembolism including the inflammatory pathways in both. He is on the Panel of VTE experts at the Joint Commission and the National Quality Forum and recipient of the Society of Vascular Surgery Presidential Citation Award. He is also actively involved on vascular training and education through many local, national and international organizations. He has organized many local, national and international vascular meetings. He is a co-founder of the International Vascular Foundation, of the Institute of Vascular Diseases and Venous Health Foundation.