

12<sup>th</sup> WINFOCUS World Congress on

# ULTRASOUND

## in Emergency & Critical Care

*Redifining POCUS to redefine healthcare. And medical education.*

Organised by:

WINFOCUS Society Slovenia

World Interactive Network Focused on Critical Ultrasound (WINFOCUS)

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## Welcome Address

### Respected Colleagues!

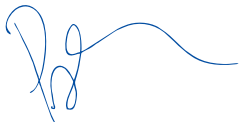
*Point-of-care ultrasound* (POCUS) has become an indispensable part of quality, safe and sustainable emergency and critical care all over the world. **World Interactive Network Focused on Critical UltraSound** (WINFOCUS) is a global, non-profit organisation based in Bologna, Italy uniting world's leading experts and researchers in the field of POCUS. WINFOCUS is probably the single most important and influential organization in this field worldwide, which has helped bring about the revolution of point-of-care ultrasound! Thus it is with great pleasure, joy and honour that we invite you all to the 12th "WINFOCUS World Congress on emergency and critical ultrasound", to be held in beautiful Ljubljana! Slovenia has always been a strong "sonographic country" and in the past decade, we have made important progress in wider use of POCUS in many clinical fields. Joining and actively cooperating with such an important and prestigious organisation as WINFOCUS has been very important for the development of POCUS in Slovenia, as it has given us access to the latest and most profound concepts and developments in emergency and critical ultrasound. But even more importantly, it has given us the opportunity to learn from and work with the pioneers and creators of this new field of medicine and education!

In September, masters of emergency and critical ultrasound from all around the world will visit Ljubljana to help us organise and carry out top-notch courses, workshops and lectures. There will be pre-courses available for every major field of emergency and critical care; basic and advanced level UltraSound-enhanced life support courses, lung and cardiac ultrasound courses and a course in US-enhanced care of critically ill children. There will also be a course for nurses on US-enhanced intravenous access and a refresher course as well as a workshop, that has never been done in this part of the world before and is specifically tailored for medical students: a demonstration of learning anatomy and physiology and carrying out a clinical examination with aid of POCUS. We have put together a congress programme with lectures including reviews of latest and most useful POCUS applications in clinical practice and education, as well as social media presence, monetary aspects and quality gains of POCUS. There will be a special track on specific issues of bringing critical US to countries of the Balkans and Eastern Europe, with lots of scientific, educational and networking opportunities! In these harsh economic realities, we have made every effort to make the programme as affordable as possible for all colleagues, including residents, nurses and students.

Architectural beauty, liveliness and greenery of Ljubljana in late summer will no doubt make your stay even more pleasurable, since Ljubljana and Slovenia are worth visiting in their own right! Ljubljana was named European Green Capital of 2016 and is consistently ranked among top tourist destinations in Europe! We know that Slovenian food, wine and hospitality will help make your visit an unforgettable experience.

Thank you for joining us in creating the Future of Medicine!

asist. Gregor Prosen, MD, EM specialist, FEBEM  
*President of the Organising Committee*



*Nothing has generated as much change  
in emergency medicine  
in past 15 years  
as the introduction of bedside ultrasound*

John Christian Fox; *Clinical Emergency Radiology*, 2008

## Committees

### Organizing Committee

- **Gregor Prosen** (president)
- Špela Baznik
- Andrej Bergauer
- Anthony J. Dean
- Carmela Graci
- Tatjana Golob Gulič
- Miguel Montorfano
- Tomislav Petrovič
- Maja Pirnat
- Radovan Radonič
- Sabina Zadel Topič

### Scientific Committee

- **Lawrence Melniker** (president)
- Badea Radu
- Mirjana Brvar
- Andrej Markota
- Jeanette Mladenovic
- Hugon Možina
- Miguel Montorfano
- Vicki Noble
- Matej Strnad
- Giovanni Volpicelli

### Honorary Committee

- **Miguel Montorfano** (president)
- Milojka Kolar Celarc
- Richard Hoppmann
- Daniel Lichtenstein
- Luca Neri
- Marjan Skalicky
- Alan Šustič
- Dušan Štajer
- Dubravka B. Vidmar

## Congress Secretariat

### CANKARJEV DOM, Cultural and Congress Centre

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### Venue

Cankarjev dom, Cultural and Congress Centre

Prešernova 10, SI-1000 Ljubljana, Slovenia

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## Acknowledgements

The Organising Committee is deeply appreciative of the sponsorship generously provided by the following companies:

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## Programme at a Glance

### tuesday, September 6

<b>16.00 - 18.00</b>	Certification Session	M1 Hall
<b>18.00 - 21.00</b>	Board of Directors	Lili Novy Hall

	Kosovel Hall	E 3-4 Hall	M 3-4 Hall	E1 Hall	M1 Hall	E2 Hall
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### Wednesday, September 7

<b>9.00 - 18.00</b>	USLS-BL course	USLS-AL course	WBE course	LUS course	PNCUS course	
10.40 - 11.00	Coffee break (Grand Reception Hall)					
13.00 - 14.00	Lunch break (Grand Reception Hall)					
15.40 - 16.00	Coffee break (Grand Reception Hall)					

### Thursday, September 8

<b>9.00 - 13.00</b>	USLS-BL	USLS-AL	WBE	LUS	PNCUS	NURSE course
10.40 - 11.00	Coffee break (Grand Reception Hall)					
13.00 - 14.00	Lunch break (Grand Reception Hall)					
<b>14.00 - 18.00</b>	USLS-BL	USLS-AL	WFMF	LUS	PNCUS	NURSE course
15.40 - 16.00	Coffee break (Grand Reception Hall)					

### Friday, September 9

<b>8.00 - 15.00</b>	PACE course	VASC course	WFMF course	REFRESH course		
10.00 - 10.20	Coffee break (Foyer 1)					
12.40 - 13.20	Lunch break (Foyer 1)					
<b>15.30 - 19.15</b>	PLENARY (Linhart Hall)					
17.00 - 17.30	Coffee break (Foyer 1)					
<b>19.15 - 21.30</b>	Welcome reception (Foyer 1)					

	M 3-4 Hall	M1 Hall	E 3-4 Hall	E 1-2 Hall
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### Saturday, September 10

9.00 - 10.40	Track A1: POCUS in PreHospital and ED	Track B1: Education & Social media I.	Track C1: POCUS from head to toes	Track D1: Free topics oral presentations
10.40 - 11.10	Coffee break (Foyer 1)			
11.10 - 13.10	Track A2: FOCUS and crit. care ECHO	Track B2: Education & Social media II.	Track C2: POCUS from head to toes	Track D2: POCUS in paediatric care
13.10 - 14.50	Lunch break, WINFOCUS General Assembly and Poster presentation (Foyer 1)			
14.50 - 16.30	Track A3: POCUS of the abdomen	Track B3: Quality, safe, sustainable and valuable patient care - the role of POCUS	Track C3: POCUS from head to toes	Track D3: POCUS in nursing care & elsewhere
16.30 - 16.50	Coffee break (Foyer 1)			
16.50 - 17.10	Track A4: POCUS in the ICU	Track B3: continued; round table	Track C4: POCUS from head to toes	
17.10 - 18.50		Track B4: WINFOCUS meets Balkans		
<b>18.50 - 19.00</b>	Closing remarks and announcement of WINFOCUS 2017 (Linhart Hall)			



## Tuesday, September 6

16.00 - 18.00	<b>Certification</b> session   <b>M1</b> Hall
18.00 - 21.00	Meeting of the WINFOCUS <b>Board of Directors</b>   <b>Lily Novy</b> Hall

## PreCourses / detailed programme of each course

**USLS-BL** course (WINFOCUS *UltraSound Life-Support course - basic level 1 provider*)  
| **Kosovel** Hall

### Wednesday, September 7

#### 8.00 - 9.00 Registration

09.00 - 09.20	Introduction	POCUS; empowering primary, emergency and critical care worldwide Vito Cianci ( <i>Italy</i> )
09.20 - 09.40		Ultrasound techniques: image generation, acquisition, interpretation & administration Sabina Zadel ( <i>Slovenia</i> )

#### POCUS primary management

9.40 - 10.00	Airway	Assesment: Obstruction/atelectasis, tracheal displacement and lessions, SC emphysema // Procedures: ET intubation, crico-thyroidotomy, tracheo-tomy/stomy // Management: airway protocol & interactive cases [US-AIR] Mahathar Abdul Wahab ( <i>Malaysia</i> )
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10.00 - 10.45	Breathing	Assessment: Pleural effusion, alveolar consolidation, interstitial syndrome, pneumothorax, Diaphragm impairment, Costal & sternum fractures // Procedures: Needle aspiration, thoraco-centesis, chest tube insertion, thoracotomy Tomislav Petrović ( <i>France</i> )
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10.40 - 11.00 *Coffee Break*

11.00 - 13.00 Hands-on training (HOT): Knobology, US anatomy, Airway, Breathing

13.00 - 14.00 *Lunch*

14.00 - 14.20		Assessment: Introduction to echocardiography: Goals, indications and limitations, cardiac and caval vein windows Young Rock Ha ( <i>Republic of Korea</i> )
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14.20 - 14.50	Circulation	Assessment: Focused hemodynamic assessment: heart morphology/performance/filling state, pericardial effusion/tamponade, IVC variations, valvular lesions Procedures: Pericardio-centesis. US-guided TC & IV pacing, ROSC evaluation Lawrence Melniker ( <i>USA</i> )
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14.50 - 15.20		Assessment: Deep venous system: deep venous thrombosis, pulmonary embolism Bret P. Nelson ( <i>USA</i> )
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15.20 - 15.40		Assessment: Abdominal & thoracic aorta: aneurysm, dissection and rupture Elmo Pereira Jr. ( <i>Brasil</i> )
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15.40 - 16.00 *Coffee Break*

16.00 - 18.00 HOT: Circulation [Heart, IVC, Veins, Aorta]

## Thursday, September 8 | USLS-BL | Kosovel Hall

8.30 - 8.55		Assessment: Peritoneal, pleural & pericardial effusion: FAST windows Procedures: Paracentesis, bladder catheterization James Connolly ( <i>UK</i> )
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8.55 - 9.25		Assessment: Gallbladder stones and cholecystitis, Renal stones, hydro-nephrosis Calvin Huang ( <i>USA</i> )
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9.25 - 9.45	Circulation	Assessment: ObGyn emergencies: ectopic pregnancy. Placenta praevia, uterine rupture, retroplacental haematoma. Fetus vitality (movements, heart beat), position, presentation Diego G. Barca ( <i>Argentina</i> )
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9.45 - 10.05		Procedures: Peripheral & central venous catheterization Jose Pazeli Jr. ( <i>Brasil</i> )
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10.05 - 10.20		Management: Cardio-circulatory Protocols & Interactive Cases [FAST, EFAST, FAST-ABCDE] Matej Strnad ( <i>Slovenia</i> )
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10.20 - 10.40	Disability	Assessment: Optic nerve & pupil abnormalities, midline shift. Intracranic hypertension Shaik Farid Abdul Wahab ( <i>Malaysia</i> )
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10.40 - 11.00 *Coffee Break*

11.00 - 13.00 HOT: Circulation [FAST, Gallbladder & Kidneys, OBGYN, Access], Disability

13.00 - 14.00 *Lunch*

#### POCUS secondary management & monitoring

14.00 - 14.20		Monitoring & head-to- toes evaluation Ramon Nogue ( <i>Spain</i> )
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14.20 - 14.40		US Advanced Cardiac Life Support [US-ACLS] Vito Cianci ( <i>Italy</i> )
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14.40 - 15.00	USLS	US Trauma Life Support [US-TLS] Carmela Graci ( <i>Italy</i> )
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15.00 - 15.20		Respiratory Protocols & Interactive Cases [BLUE, FALLS] Francesco Caronni ( <i>Switzerland</i> )
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15.20 - 15.45		WINFOCUS GLOBAL ULTRASOUND: An innovative paradigm for sustainable human development Luca Neri ( <i>Italy</i> )
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15.45 - 16.00 *Coffee Break*

16.00 - 18.00 HOT: Head-To-Toes, US-ACLS & US-TLS

18.00 Post-course test; Course closure

Course **Directors**: Vito Cianci (*Italy*) and Lawrence Melniker (*USA*)  
Course **Faculty**: Mahathar Abdul Wahab (*Malaysia*), Matjaž Baraga (*Slovenia*), Diego Barca (*Argentina*), Matej Bernhardt (*Slovenia*), Dajna Buić Rerečić (*Slovenia*), James Connolly (*UK*), Shaikh Farid Abdul Wahab (*Malaysia*), Carmela Graci (*Italy*), Sally M. Graglia (*USA*), Thomas F. Heyne (*USA*), Calvin Huang (*USA*), Nina Kobilica (*Slovenia*), Uroš Lampič (*Slovenia*), Francesco Luigi Caronni (*Switzerland*), Bret P. Nelson (*USA*), Luca Neri (*Italy*), Ramon Nogue (*Spain*), Jose Pazeli Jr. (*Brasil*), Elmo Pereira Jr. (*Brasil*), Tomislav Petrović (*France*), Young Rock Ha (*Republic of Korea*), Dana Sajed (*USA*), Matej Strnad (*Slovenia*), Sabina Zadel (*Slovenia*), Marko Želinka (*Slovenia*), Nicholas E. Weinberg (*USA*)

**USLS-AL** course (WINFOCUS *UltraSound Life-Support* course - **advanced** level provider) | **E 3-4** Hall

**Wednesday, September 7**

8.00 - 9.00	Registration
09.00 - 09.10	WINFOCUS vision & critical US education
09.10 - 09.40	ABCDE US-enhanced primary assessment
9.40 - 10.10	Ultrasound-enhanced advanced head & neck assessment
10.10 - 10.40	Ultrasound-enhanced advanced chest assessment
10.40 - 11.00	<i>Coffee Break</i>
11.00 - 11.30	Ultrasound-enhanced advanced heart assessment
11.30 - 12.00	Ultrasound-enhanced advanced abdominal & gynecological assessment
12.00 - 12.30	Ultrasound-enhanced advanced limbs & soft tissues assessment
12.30 - 13.00	Ultrasound-enhanced procedures
13.00 - 14.00	<i>Lunch</i>
14.00 - 18.00	HOT (Hands On Training) rotations; Head & neck, Lung, Heart, Abdomen, Limbs & soft tissues, Procedures

**Thursday, September 8 | USLS-AL | E 3-4** Hall

09.00 - 10.00	US-enhanced cardiac arrest & periarrest algorithms
10.00 - 10.40	US-enhanced acute abdomen & trauma algorithms
10.40 - 11.00	<i>Coffee Break</i>
11.00 - 13.00	HOT rotations; Cardiac arrest, B-failure, C-failure, Acute abdomen, Trauma, Procedures
13.00 - 14.00	<i>Lunch</i>
14.00 - 16.50	HOT rotations; Cardiac arrest, B-failure, C-failure, Acute abdomen, Trauma, Procedures
16.50 - 17.15	Test evaluation
17.15	Course closure

Course **Directors:** Gian Cibinel (*Italy*) and Anthony J. Dean (*USA*)  
 Course **Faculty:** Andrej Bergauer (*Slovenia*), Mirjana Brvar (*Ljubljana*), Deepak Govil (*India*), Elizabeth Hall (*USA*), Možina Hugon (*Slovenia*), Andrew Liteplo (*USA*), Andrej Markota (*Slovenia*), Danielle Matilsky (*USA*), Miguel Montorfano (*Argentina*), Phillipe Pes (*France*), Radonić Radovan (*Croatia*), Tomas Villen (*Spain*)

**WBE** course (WINFOCUS' *Focused cardiac ultrasound* course) | **M 3-4** Hall

**Wednesday, September 7**

8.00 - 9.00	Registration
8.45 - 9.00	Welcome and course instructions Tatjana Golob Gulič ( <i>Slovenia</i> )
9.00 - 9.20	Focused cardiac ultrasound (FoCUS) in critical care: Place & Aim Tatjana Golob Gulič ( <i>Slovenia</i> )
9.20 - 9.40	FoCUS views & targets of the exam David Riley ( <i>USA</i> )
9.40 - 10.00	FoCUS signs of chronic cardiac disease Arif Hussain ( <i>Saudi Arabia</i> )
10.00 - 10.20	FoCUS signs of LV systolic dysfunction Martin Tretjak ( <i>Slovenia</i> )
10.20 - 10.40	FoCUS signs of RV systolic dysfunction Matej Marinšek ( <i>Slovenia</i> )
10.40 - 11.00	<i>Coffee Break</i>
11.00 - 13.00	Hands-on training (HOT 1): basic TTE views (healthy models), laptop training
13.00 - 14.00	<i>Lunch</i>
14.00 - 14.20	FoCUS signs of severe hypovolemia Dušan Štajer ( <i>Slovenia</i> )
14.20 - 14.40	FoCUS signs of pericardial effusion and tamponade Iztok Gradecki ( <i>Slovenia</i> )
14.40 - 15.00	FoCUS signs of obvious valvular pathology Tinkara Ravnikar ( <i>Slovenia</i> )
15.00 - 18.00	HOT 2: basic TTE views (healthy models), laptop training

**Thursday, September 8 | WBE | M 3-4** Hall

8.40 - 9.00	FoCUS knobology Iztok Gradecki ( <i>Slovenia</i> )
9.00 - 9.20	FoCUS in cardiac arrest Arif Hussain ( <i>Saudi Arabia</i> )
9.20 - 9.40	FoCUS in shock Expert speaker to be announced
9.40 - 10.00	FoCUS in respiratory failure Dušan Štajer ( <i>Slovenia</i> )
10.00 - 10.20	Limitations and pitfalls in FoCUS Tatjana Golob Gulič ( <i>Slovenia</i> )
10.20 - 10.40	Lung US in cardiac arrest & shock, pneumothorax, wet lung Matej Marinšek ( <i>Slovenia</i> )
10.40 - 11.00	<i>Coffee Break</i>
11.00 - 11.15	FoCUS role in AAS Adi Osman ( <i>Malaysia</i> )
11.15 - 11.40	FoCUS integration into whole body US Martin Tretjak ( <i>Slovenia</i> )

11.40 - 11.50	WBE Certification pathway Expert speaker to be announced
11.50 - 12.30	Interactive case session Martin Tretjak ( <i>Slovenia</i> )
12.30 - 13.00	Course conclusion
13.00 - 14.00	<i>Lunch</i>
Course <b>Directors:</b> Tatjana Golob Gulič ( <i>Slovenia</i> ), Adi Osman ( <i>Malaysia</i> ), Gabriele Via ( <i>Italy</i> ) Course <b>Faculty:</b> Jana Ambrožič ( <i>Slovenia</i> ), Herbert Bernhardt ( <i>Slovenia</i> ), Iztok Gradecki ( <i>Slovenia</i> ), Arif Hussain ( <i>Saudi Arabia</i> ), Matej Marinšek ( <i>Slovenia</i> ), Adi Osman ( <i>Malaysia</i> ), Tinkara Ravnikar ( <i>Slovenia</i> ), David Riley ( <i>USA</i> ), Dušan Štajer ( <i>Slovenia</i> ), Martin Tretjak ( <i>Slovenia</i> )	

## WFMF course (WINFOCUS' more-than-basic echocardiography course) | M 3-4 Hall

### Thursday, September 8

14.00 - 14.10	Welcome, course instructions Tatjana Golob Gulič ( <i>Slovenia</i> )
14.10 - 14.30	Introduction to Echodynamics Arif Hussain ( <i>Saudi Arabia</i> )
14.30 - 15.00	Doppler basics and knobology Tatjana Golob Gulič ( <i>Slovenia</i> )
15.00 - 15.20	Evaluation of LV systolic function Matej Marinšek ( <i>Slovenia</i> )
15.20 - 15.40	Assessment of RV systolic function Tinkara Ravnikar ( <i>Slovenia</i> )
15.40 - 16.00	<i>Coffee Break</i>
16.00 - 16.20	Volume status assessment Boštjan Leskovar ( <i>Slovenia</i> )
16.20 - 18.00	Hands-on training (HOT 1): basic TTE views (healthy models), laptop training

### Friday, September 9 | WFMF | M 3-4 Hall

8.00 - 8.20	TEE anatomy Matej Marinšek ( <i>Slovenia</i> )
8.20 - 8.40	Tamponade Iztok Gradecki ( <i>Slovenia</i> )
8.40 - 9.00	Estimation of LV filling pressures Tatjana Golob Gulič ( <i>Slovenia</i> )
9.00 - 9.20	Measurement of cardiac output and pulmonary artery pressures Martin Tretjak ( <i>Slovenia</i> )
9.20 - 9.40	Pulmonary oedema: cardiogenic vs. non-cardiogenic Expert speaker to be announced
9.40 - 10.00	Pulmonary oedema: Lung US Adi Osman ( <i>Malaysia</i> )
10.00 - 10.20	<i>Coffee Break</i>
10.20 - 10.40	Complicated AMI Dušan Štajer ( <i>Slovenia</i> )

10.40 - 11.00	Septic shock Arif Hussain ( <i>Saudi Arabia</i> )
11.00 - 12.40	Hands-on training (HOT 1): basic TTE views (healthy models), laptop training
12.40 - 13.20	<i>Lunch</i>
13.20 - 13.40	Chest trauma David Riley ( <i>USA</i> )
13.40 - 14.30	Discussion and clinical cases Dušan Štajer ( <i>Slovenia</i> )
14.30 - 15.00	Closing remarks, course conclusion

Course **Directors:** Arif Hussain (*Saudi Arabia*), Tatjana Golob Gulič (*Slovenia*), Gabriele Via (*Italy*)  
Course **Faculty:** Jana Ambrožič (*Slovenia*), Herbert Bernhardt (*Slovenia*), Tatjana Golob Gulič (*Slovenia*), Iztok Gradecki (*Slovenia*), Boštjan Leskovar (*Slovenia*), Matej Marinšek (*Slovenia*), Adi Osman (*Malaysia*), Tinkara Ravnikar (*Slovenia*), David Riley (*USA*), Dušan Štajer (*Slovenia*), Martin Tretjak (*Slovenia*)

## LUS course (WINFOCUS Lung ultrasound course) | E1 Hall

### Wednesday, September 7

#### 8.00 - 9.00 Registration

09.00 - 09.10	Introduction to the course
09.10 - 09.20	Interactive cases pre-course
09.20 - 09.50	General technical competences (Physics and instrumentation)
09.50 - 10.30	Application of general US competences to the lung (main US artifacts - chest areas - positioning the probe - anatomic landmarks)
10.30 - 10.40	Questions and discussion
10.40 - 11.00	<i>Coffee Break</i>
11.00 - 11.30	Interstitial syndrome - part 1 (Definition, methodology, diagnostic criteria)
11.30 - 11.45	Questions and discussion
11.45 - 12.20	Interstitial syndrome - part 2 (focal and diffuse interstitial syndrome)
12.20 - 12.35	Questions and discussion
13.00 - 14.00	<i>Lunch</i>
14.00 - 14.30	Practical applications: case report
14.30 - 15.40	Hands-on examination technique
15.40 - 16.00	<i>Coffee break</i>
16.00 - 17.30	Hands-on examination technique
17.30 - 18.00	Questions and discussion - closing of the session
18.00	End of day one

## Thursday, September 8 | LUS | E1 Hall

9.00 - 9.30	Pneumothorax - part 1 (sonographic signs, Radio-occult pneumothorax, stable patients)
9.30 - 9.50	Pneumothorax - part 2 (unstable patients and cardiac arrest)
9.50 - 10.00	Questions and discussion
10.00 - 10.30	Pleural effusion (sonographic signs, qualitative diagnosis, comparison with CT and CXR)
10.30 - 10.40	Questions and discussion
10.40 - 11.00	<i>Coffee Break</i>
11.00 - 11.20	Optional competences (assessment of pleuritic pain, check endotracheal tube)
11.20 - 11.30	Questions and discussion
11.30 - 11.50	Interactive cases post-course
11.50 - 13.00	Multiorgan approach (How to improve LUS performance: contextualization, monitoring and multiorgan approach)
13.00 - 14.00	<i>Lunch</i>
14.30 - 15.40	Hands-on examination technique
15.40 - 16.00	<i>Coffee break</i>
16.00 - 17.30	Hands-on examination technique
17.30 - 18.00	Monitoring alveolar recruitment in the ICU (Monitoring effect of recruitment maneuvers, ventilator strategies and treatment)
18.00	Course conclusion

Course **Directors:** Giovanni Volpicelli (*Italy*) and Vicki E. Noble (*USA*)  
 Course **Faculty:** Chatzantoniou Argyro (*Greece*), Annia Schreiber (*Italy*)

## PNCUS course (WINFOCUS Pediatric and Neonatal critical ultrasound course) | M1 Hall

### Wednesday, September 7

#### 8.00 - 9.00 Registration

09.00 - 09.15	Introduction to the course, overview Stephanie Doniger ( <i>USA</i> )
09.15 - 09.45	Fundamentals: Physics, Knobology Laura Hurtado ( <i>USA</i> )
09.45 - 10.15	E-FAST Sharon Yellin ( <i>USA</i> )
10.15 - 10.40	Focused Cardiac Ultrasound S. Doniger ( <i>USA</i> )
10.40 - 11.00	<i>Coffee Break</i>
11.00 - 11.30	Introduction to Procedures, Vascular Access Alexander C. Arroyo ( <i>USA</i> )
11.30 - 12.15	Advanced Procedures Soft tissue (cellulitis, abscess, FB), MSK (fractures, effusions), nerve blocks Alexander C. Arroyo ( <i>USA</i> )

12.15 - 13.00	Pediatric Head and Neck (ETT, neck masses-congenital, adenitis/abscess, ocular) Mark Tessaro ( <i>Canada</i> )
13.00 - 14.00	<i>Lunch</i>
14.00 - 15.45	Hands-on training (HOT): E-FAST, Cardiac US
15.45 - 16.00	<i>Coffee Break</i>
16.00 - 18.00	HOT: Vascular Access, Procedures/head,neck

## Thursday, September 8 | PNCUS | M1 Hall

09.00 - 09.30	Pediatric Abdomen I: GB (stones, sludge, congenital), Renal (hydronephrosis, congenital), Bladder (volume) David Teng ( <i>USA</i> )
09.30 - 10.15	Pediatric Abdomen II: Appendicitis, Pyloric Stenosis, Intussusception, Bowel Alexander C Arroyo ( <i>USA</i> )
10.15 - 10.40	Pediatric Case Review: ABCD Scenarios Laura Hurtado ( <i>Argentina</i> )
10.40 - 11.00	<i>Coffee Break</i>
11.00 - 11.45	Lung Ultrasound Sharon Yellin ( <i>USA</i> )
11.45 - 12.30	Pediatric RUSH for Shock/hypotension/tachycardia Stephanie Doniger ( <i>USA</i> )
12.30 - 13.00	WINFOCUS training and Accreditation Laura Hurtado ( <i>Argentina</i> )
13.00 - 14.00	<i>Lunch</i>
14.00 - 15.40	Hands-on training (HOT): Pediatric Abdomen I & II/head, neck
15.40 - 16.00	<i>Coffee Break</i>
16.00 - 17.45	HOT: Lung, Pediatric RUSH, Review
17.45 - 18.00	Round-table discussion, Q&A
18.00	Course conclusion

Course **Directors:** Stephanie Doniger (*USA*)  
 Course **Faculty:** Alexander C. Arroyo (*USA*), Laura Hurtado (*USA*), Mark Tessaro (*Canada*), Sharon Yellin (*USA*), Paolo Adamoli (*Italy*), Ron Berant (*Israel*), Primož Caf (*Slovenia*), Jones Sarah (*USA*), Dave Teng (*USA*)



**NURSE** course (WINFOCUS US-guides nursing procedures course - basic level 1 provider) | **E2** Hall

**Thursday, September 8**

9.00 - 9.40	Introduction and physics Antonio Lo Piccolo (Switzerland)
9.40 - 10.40	Vascular ultrasound Alessandro Di Rasio (Italy)
10.40 - 11.00	Coffee Break
11.00 - 12.00	"IVC"/Inferior vena cava ultrasound Christian Nicole (Switzerland)
12.00 - 13.00	Bladder ultrasound Daniele Franceschini (Switzerland)
13.00 - 14.00	Lunch
14.00 - 18.00	Hand-on workshops; rotation amongs 4 key stations; work on live models and phantoms
18.00	Course conclusion

Course **Directors:** Antonio Lo Piccolo (Switzerland)  
Course **Faculty:** Daniele Franceschini (Switzerland), Christian Nicole (Switzerland), Alessandro Di Rasio (Italy), Gaetano Tammaro (Italy)

**VASC** course (WINFOCUS US-guides vascular access course) | **E3-4** Hall

**Friday, September 9**

8.00 - 9.00	Introduction, Ultrasound EBM
9.00 - 10.00	Semeiotics and ultrasound technique; central venous vessels and peripheral vessels
10.00 - 10.20	Coffee Break
10.20 - 11.10	Hand-on training (HOT)
11.10 - 12.10	US-enhanced vascular access; peripheral vessels and central venous vessels
12.10 - 12.40	Position and complications
12.40 - 13.20	Lunch
13.20 - 13.50	HOT: transversal out-of-plane
13.50 - 14.20	HOT: Oblique in plane
14.20 - 14.50	HOT: Longitudinal in plane
14.50 - 15.00	Closing remarks and Course closure

Course **Directors:** Stefano Paglia (Italy) and Matteo Subert (Italy)  
Course **Faculty:** Andrej Bergauer (Slovenia), Suthaporn Lumlertgul (Thailand), Hugon Možina (Slovenia), Radovan Radonić (Croatia), Davide Vailati (Italy)

**PACE** student workshop (POCUS-augmented clinical exam) | **Kosovel** Hall

**Friday, September 9**

8.00 - 8.15	Introduction Jeanette Mladenovich (USA)
8.15 - 10.00	Case vignette No.1
10.00 - 10.20	Coffee Break
10.20 - 12.40	Case vignette No.2
12.40 - 13.20	Lunch
13.20 - 14.40	Case vignette No.3
14.40 - 15.00	Clinical summary and course conclusion

Course **Directors:** Jeanette Mladenovich (USA) and Richard Hoppmann (USA)  
Student **Directors:** Jan Hansel (Slovenia) and Matevž Privšek (Slovenia)  
Course **Faculty:** Mirjana Brvar (Ljubljana), Stephanie Doniger (USA), Chanel Fischetti (USA), Craig Goodmurphy (USA), Andrej Markota (Slovenia), Lawrence Melniker (USA), Bret P. Nelson (USA), Tomislav Petrović (France), Tomas Villen (Spain), Sally M. Graglia (USA), Thomas F. Heyne (USA), Nicholas E. Weinberg (USA), Andrew Liteplo (USA)  
Student **Faculty:** Devid Ahmetović (Slovenia), Matija Ambrož (Slovenia), Vigor Arva (Slovenia), Tjaša Banovič (Slovenia), Pia Jerot (Slovenia), Una Mršič (Slovenia), Sara Nikolić (Slovenia), Alja Parežnik (Slovenia), Rok Petrovič (Slovenia), Ana Podlesnikar (Slovenia), Ana Špehonja (Slovenia)

**REFRESH** course | **E1** Hall

**Friday, September 9**

8.00 - 8.10	Introduction Gregor Prosen (Slovenia)
8.10 - 8.20	Refreshing lecture #1: <b>AAA</b> Metin Omerović (Slovenia)
8.20 - 8.40	Hands-on training (HOT): AAA
8.40 - 8.50	Refreshing lecture #2: <b>DVT</b> Damjana Rehar (Slovenia)
8.50 - 9.10	HOT: DVT
9.10 - 9.40	Refreshing lecture #3: <b>Lung US</b> Nejc Gorenjak (Slovenia)
9.40 - 10.00	HOT: Lung US
10.00 - 10.20	Coffee Break
10.20 - 10.40	Refreshing lecture #4: <b>FAST</b> Špela Baznik (Slovenia)
10.40 - 11.30	HOT: FAST
11.30 - 11.40	Refreshing lecture #5: <b>hydronephrosis</b> Barbara Furman (Slovenia)
11.40 - 12.00	HOT: hydronephrosis
12.00 - 12.15	Refreshing lecture #6: <b>gallbladder</b> Vitka Vujanović (Slovenia)

12.15 - 12.40	HOT: gallbladder
12.40 - 13.20	Lunch
13.20 - 13.50	Refreshing lecture #7: <b>FoCUS</b> Barbara Vencelj (Slovenia)
13.50 - 14.40	HOT: FoCUS
14.40 - 15.00	Course summary and closing remarks Vicki Noble (USA)
Course <b>Directors:</b> Vicki E. Noble (USA) and Gregor Prosen (Slovenia) Course <b>Faculty:</b> Špela Baznik (Slovenia), Barbara Furman (Slovenia), Nejc Gorenjak (Slovenia), Metin Omerović (Slovenia), Damjana Rehar (Slovenia), Barbara Vencelj (Slovenia), Vitka Vujanović (Slovenia)	

## Congress Tracks

### Friday, September 9

#### PLENARY session | Linhart Hall

15.30 - 16.00	<b>Opening address</b> HE Minister of Health of Rep. of Slovenia; Milojka Kolar Celarc Gregor Prosen (Slovenia) & Radovan Radonić (Croatia)
16.00 - 16.15	<b>Changing the paradigms: WINFOCUS vision and mission</b> Miguel Montorfano (Argentina); president of WINFOCUS Society
16.15 - 16.30	<b>Why #POCUS?</b> Tomislav Petrović (France)
16.30 - 16.45	<b>Future of POCUS - how should we teach?</b> Jeanette Mladenovich (USA)
16.45 - 17.00	<b>Consensus conference on POCUS use in trauma</b> - review of key recommendations Luca Neri (Italy)
17.00 - 17.15	<b>POCUS of the eye and ICP - What went wrong in our research?</b> Andrej Bergauer (Slovenia) & Mark Tessaro (Canada)
17.15 - 17.45	Coffee Break
17.45 - 18.00	<b>Should I stay or should I go (for IV fluids):</b> Ultrasound and fluid status assessment Arif Hussain (Saudi Arabia)
18.00 - 18.15	<b>Rise of LUS - and demise of CXR?</b> Giovanni Volpicelli (Italy)
18.15 - 18.30	<b>Is it "FOCUS" or "emergency ECHO"?</b> Aleksandar Nešković (Serbia)
18.30 - 18.45	<b>"Why POCUS is good for You?":</b> Cost-Benefit Analysis of POCUS Lawrence Melniker (USA)
18.45 - 19.00	<b>Global Ultrasound and Health for all</b> Alberta Spreafico (Italy)
19.00 - 19.15	<b>POCUS, TeleUltraSound and the Future: toward new paradigms to empower humanity</b> Luca Neri (Italy)
19.15	<b>Welcome reception</b>

### Saturday, September 10

#### Track A1: POCUS in PreHospital arena and ED | M3-4 Hall

**Panelists:** Vicki Noble (USA), Tomislav Petrović (France) and Matej Strnad (Slovenia)

09.00 - 09.20	<b>Paris terror attacks: could POCUS make a difference?</b> Karim Tazarourte (France)
09.20 - 09.40	<b>Value of Lung US in Prehospital arena and ED</b> Matej Strnad (Slovenia)
09.40 - 10.00	<b>Can FoCUS predict outcome in cardiac arrest patients?</b> Bret P. Nelson (USA)
10.00 - 10.20	<b>Hemodynamic monitoring with POCUS in Prehospital and remote settings ~</b> Tomislav Petrović (France)
10.20 - 10.40	<b>Cases saved by POCUS; trauma in ED</b> Vicki E. Noble (USA)
10.40 - 11.10	Coffee Break

#### Track A2: FoCUS and Critical care ECHO | M3-4 Hall

**Panelists:** Tatjana Golob Gulič (Slovenia), Arif Hussain (Saudi Arabia) and Tomas Vilen (Spain)

11.10 - 11.30	<b>What's New in FoCUS for the EM Physicians?</b> Tomas Vilen (Spain)
11.30 - 11.50	<b>Valve Disease in the critically ill: any place for FoCUS?</b> Tatjana Golob Gulič (Slovenia)
11.50 - 12.10	<b>Echocardiographic assessment of Cardiac output, PAP and filling pressures: how reliable?</b> Martin Tretjak (Slovenia)
12.10 - 12.30	<b>IVC, IVC, can you tell me if fluids given should be?</b> Tomas Vilen (Spain)
12.30 - 12.50	<b>Echocardiography in septic shock: from the ER to the ICU</b> Arif Hussain (Saudi Arabia)
12.50 - 13.10	<b>New perspectives in Echocardiography: looking at cardiac times, not just motion</b> Arif Hussain (Saudi Arabia)
13.10 - 14.50	Lunch break, WINFOCUS <b>General Assembly (M1 Hall)</b> and <b>Poster</b> presentation (Foyer 1)

### Track A3: POCUS of the Abdomen | M3-4 Hall

**Panelists:** Mirjana Brvar (Slovenia), Boris Brkljačić (Croatia) and Radu Badea (Romania)

14.50 - 15.10	<b>Ultrasound in acute appendicitis - how skilled should you be for trustful diagnosis?</b> Rok Dežman (Slovenia)
15.10 - 15.30	<b>Ultrasound of abdominal aorta and visceral arteries</b> Boris Brkljačić (Croatia)
15.30 - 15.50	<b>CEUS use in abdominal trauma, sepsis and ischemic diseases</b> Radu Badea (Romania)
15.50 - 16.10	<b>Renal ultrasound</b> Boris Brkljačić (Croatia)
16.10 - 16.30	<b>Ultrasound-guided interventions in abdomen</b> Mirjana Brvar (Slovenia)

16.30 - 16.50 *Coffee Break*

### Track A4: FoCUS in the ICU | M3-4 Hall

**Panelists:** Hugon Možina (Slovenia), Andreja Markota (Slovenia), Giovanni Volpicelli (Italy),

16.50 - 17.10	<b>Interventional ultrasound in intensive care - by intensivist</b> Radovan Radonić (Croatia)
17.10 - 17.30	<b>Etiology of acute respiratory failure (ARF) in the ICU - is POCUS enough?</b> Radovan Radonić (Croatia)
17.30 - 17.50	<b>Transcranial ultrasound in the ICU</b> Branka Ožek (Slovenia)
17.50 - 18.10	<b>Tube and line positions in my ICU patients - can POCUS help?</b> Andrej Markota (Slovenia)
18.10 - 18.30	<b>Lung US in the ICU: assessing and monitoring hemodynamics and aeration</b> Giovanni Volpicelli (Italy)
18.30 - 18.50	<b>POCUS for cardiovascular assessment of the ICU patient</b> Expert speaker to be announced

### Track B1: Education & Social media I. | M1 Hall

**Panelists:** Jeanette Mladenovich (USA), Richard Hoppmann (USA) and Craig Goodmurphy (USA)

09.00 - 09.20	<b>POCUS in Medical Education; how and why it all started?</b> Jeanette Mladenovich (USA)
09.20 - 09.40	<b>Integration of POCUS in Medical Student Education: 10-Year Experience</b> Richard Hoppmann (USA)
09.40 - 09.50	<b>#UltraFest conquering the World; report from USA</b> Chanel Fischetti (USA)
09.50 - 10.00	<b>#UltraFest conquering the World; report from Slovenia</b> Tjaša Banović (Slovenia)
10.00 - 10.20	<b>Putting life back into foundational sciences with sonography - anatomy</b> Craig Goodmurphy (USA)
10.20 - 10.40	<b>How to teach with POCUS; clinical skills</b> Chanel Fischetti (USA)

### Track B2: Education & Social media II. | M1 Hall

**Panelists:** Jeanette Mladenovich (USA), Richard Hoppmann (USA) and Bret Nelson (USA)

11.10 - 11.30	<b>How to teach in 21st century? Flipping the classroom</b> Bret Nelson (USA)
11.30 - 11.50	<b>Resident and Faculty training in POCUS</b> Anthony J. Dean (USA)
11.50 - 12.10	<b>Tips for POCUS educators</b> Andrew Liteplo (USA)
12.10 - 12.50	<b>Pro et Contra; Teaching POCUS to medical students and residents</b> Expert speakers to be announced
12.50 - 13.10	<b>Future of Medical and POCUS education</b> Richard Hoppmann (USA)

### Track B3: Quality, safe, sustainable & valuable patient care - role of POCUS | M1 Hall

**Panelists:** Lawrence Melniker, Petra Došenovič Bonča

14.50 - 15.10	<b>Challenges and solutions in the future of healthcare</b> Representative of Ministry of Health, Slovenia.
15.10 - 15.30	<b>Assessing the added value of new technologies in healthcare: The hows and the whys</b> Petra Došenovič Bonča (Slovenia)
15.30 - 15.50	<b>How do we define the value of POCUS for policymakers and budget decision-makers?</b> Lawrence Melniker (USA)
15.50 - 16.10	<b>Pay-per-POCUS: Incentivised payment mechanisms as a tool to disseminate innovation</b> Petra Došenovič Bonča (Slovenia)
16.10 - 16.30	<b>Documentation, archiving and interoperability: Evidence for value-based decision making about POCUS</b> Expert speaker to be announced
16.30 - 17.10	<b>Round table led by panelists</b>

## Track B4: WINFOCUS meets Balkans | M1 Hall

**Panelists:** Panelists: Radovan Radonić (Croatia), Tatjana Golob Gulič (Slovenia), Mirjana Brvar (Slovenia), Vojislava Nešković (Serbia) and Radu Badea (Romania)

17.10 - 17.20	<b>History of ultrasound in the Balkans</b> Mirjana Brvar (Slovenia)
17.20 - 17.30	<b>POCUS in Balkans - why do we need it?</b> Tatjana Golob Gulič (Slovenia)
17.30 - 17.40	Experiences and needs in POCUS: <b>Slovenia</b> Gregor Prosen (Slovenia)
17.40 - 17.50	Experiences and needs in POCUS: <b>Croatia</b> Radovan Radonić (Croatia)
17.50 - 18.00	Experiences and needs in POCUS: <b>Serbia</b> Vojislava Nešković (Serbia)
18.00 - 18.10	Experiences and needs in POCUS: <b>Romania</b> Radu Badea (Romania)
18.10 - 18.50	<b>Round table</b> on future WINFOCUS activities in the Balkans Discussion led by panelists

## Track C: POCUS from head to toes | E3-4 Hall

09.00 - 09.20	<b>Eyes</b> Mark Tessaro (Canada)
09.20 - 09.40	<b>Brain &amp; TCD</b> (Transcranial Doppler) Philippe Pes (France)
09.40 - 10.00	<b>Airway</b> Alan Šuštić (Croatia)
10.00 - 10.20	<b>Lung US I. - Basic</b> Sonographic patterns Hugon Možina (Slovenia)
10.20 - 10.40	<b>Lung US II. - Diseases of pleura</b> Annia Schreiber (Italy)
10.40 - 11.10	Coffee break
11.10 - 11.30	<b>Lung US III. - Diseases of parenchyma</b> Vicki E. Noble (USA)
11.30 - 11.50	<b>Diaphragm</b> Elmo Pereira Jr. (Brasil)
11.50 - 12.10	<b>IVC</b> Elmo Pereira Jr. (Brasil)
12.10 - 12.30	<b>AAA</b> Andrej Bergauer (Slovenia)
12.30 - 12.50	<b>DVT</b> Andrej Bergauer (Slovenia)
12.50 - 13.10	<b>Basics of Doppler</b> Laura Hurtado (Argentina)
13.10 - 14.50	Lunch break, WINFOCUS <b>General Assembly</b> and <b>Poster</b> presentation
14.50 - 15.10	<b>Heart I</b> - basic FOCUS views and anatomy Tatjana Golob Gulič (Slovenia)
15.10 - 15.30	<b>Heart II</b> - core FOCUS applications t.b.a.

15.30 - 15.50	<b>(E-)FAST</b> Tomas Villen (Spain)
15.50 - 16.10	<b>Bowels</b> Young-Rock Ha (Republic of Korea)
16.10 - 16.30	<b>Testicles</b> Diego Martin Barca (Argentina)
16.30 - 16.50	Coffee Break
16.50 - 17.10	<b>Critical POCUS</b> applications in <b>gynecology</b> Faris Mujezinović (Slovenia)
17.10 - 17.30	<b>Critical POCUS</b> applications in <b>pregnancy</b> Faris Mujezinović (Slovenia)
17.30 - 17.50	<b>MSK I.</b> - bones Adi Osman (Malaysia)
17.50 - 18.10	<b>MSK II.</b> - soft tissues Miguel Montorfano (Argentina)
18.10 - 18.30	<b>Vascular access</b> Andrej Bergauer (Slovenia)
18.30 - 18.50	<b>Regional anesthesia</b> Aleksandar Bilić (Slovenia)

## Track D1: Free topics oral presentations | E1-2 Hall

**Panelists:** Miguel Montorfano, Anthony J. Dean and Andrew Liteplo

09.00 - 09.10	<i>Role of Doppler Ultrasonography and C-Reactive Protein in Patients with Acute Scrotum</i> Mustafa Alhassen (Saudi Arabia)
09.10 - 09.20	<i>Cardiovascular haemodynamic properties before, during and after pregnancy</i> Ajda Anžič (Slovenia)
09.20 - 09.30	<i>Introduction of a new imaging guideline for suspected renal colic in the Emergency Department: Effect on CT Urogram utilisation</i> Gabriel Blecher (Australia)
09.30 - 09.40	<i>The role of ultrasound in the detection of lung infiltrates in critically ill patients; a pilot study</i> Marijana Grgić Medić (Croatia)
09.40 - 09.50	<i>Clinical Outcomes in the Use of Lung Ultrasound for the Diagnosis of Pediatric Pneumonias</i> Angela Hua (USA)
09.50 - 10.00	<i>Effectiveness of Ultrasound in Hypotensive Patients</i> Zeynep Kekec (Turkey)
10.00 - 10.10	<i>Optic Nerve Sheath Ultrasound in Severe Preeclampsia</i> Miha Lučovnik (Slovenia)
10.10 - 10.20	<i>Lung ultrasound for assessing fluid tolerance in severe preeclampsia</i> Miha Lučovnik (Slovenia)
10.20 - 10.30	<i>POCUS guided Paediatric Upper limb Fracture reduction: Algorithm, Tricks and tips</i> - Sharad Mohite (Singapore)
10.30 - 10.40	<i>The Graz Summer School for Ultrasound: From First Contact to Bedside Application - Three and a Half Day Undergraduate Ultrasound Training - Résumé After Two Years of Continuous Development</i> Simon Orlob (Austria)

## Track D2: POCUS in pediatric care | E1-2 Hall

**Panelists:** Stephanie Doniger (USA), Sharon Yellin (USA) and Alex Arroyo (USA)

11.10 - 11.30	<b>Pediatric POCUS:</b> Where we've been... where we're going? Stephanie Doniger (USA)
11.30 - 11.50	The pediatric E-FAST and the Trauma ICC Stephanie Doniger (USA)
11.50 - 12.10	<b>Pediatric lung ultrasound:</b> the "core" pediatric application Sharon Yellin (USA)
12.10 - 12.30	<b>Pediatric POCUS in resuscitation and shock</b> Alex Arroyo (USA)
12.30 - 12.50	<b>The Pediatric Abdomen:</b> Appendicitis, pyloric stenosis, intussusception, bowel Alex Arroyo (USA)
12.50 - 13.10	<b>Cutting Edge Pediatric POCUS Apps:</b> Ocular, Airway, Head/Neck Mark Tessaro (Canada)

## Track D3: POCUS in nursing care & elsewhere | E1-2 Hall

**Panelists:** Suthaporn Lumlertgul (Thailand), Antonio Lo Piccolo (Switzerland), Daniele Franceschini (Switzerland)

14.50 - 15.10	<b>Teaching ultrasound guided procedure on cadavers</b> Suthaporn Lumlertgul (Thailand)
15.10 - 15.30	<b>Thoracic US for confirmation of correct lung exclusion before one lung ventilation in thoracic surgery</b> - nurse's role Antonio Lo Piccolo (Switzerland)
15.30 - 15.50	<b>PROtocolized Care to Reduce HYpotension after Spinal Anesthesia</b> Daniele Franceschini (Switzerland)
15.50 - 16.10	<b>WINFOCUS nursing section:</b> who are we and what is our mission? Antonio Lo Piccolo (Switzerland)
16.10 - 16.30	Round table: <b>POCUS by nurses;</b> <i>why and what?</i> Discussion led by panelists

18.50 - 19.00 **Closing remarks and announcement of WINFOCUS 2017 | Linhart Hall**

eSummary of selected Congress talks - PDF file



## Poster Session

<b>P1</b>	<b>Ultrasonographic diagnosis of tracheal compression</b> Oliviero Fochi, Moreno Favarato, Ezio bonanomi (ITALY)
<b>P2</b>	<b>Usefulness of point-of-care ultrasound in the emergency room in a patient with acute abdominal pain</b> Alberto Oviedo-García, Margarita Algaba-Montes, Mayra Patricio-Bordomás (SPAIN)
<b>P3</b>	<b>Use of bedside ultrasound with a critically ill patient. A case report.</b> Alberto Oviedo-García, Margarita Algaba-Montes, Mayra Patricio-Bordomás (SPAIN)
<b>P4</b>	<b>Pseudoaneurysm of the femoral artery after cannulation of a central venous line. Should we always use ultrasound in these procedures?</b> Margarita Algaba-Montes, Alberto Oviedo-García, Mayra Patricio-Bordomás (SPAIN)
<b>P5</b>	<b>Ultrasound-guided supraclavicular subclavian vein catheterization. A novel approach in Emergency Department.</b> Margarita Algaba-Montes, Alberto Oviedo-García, Mayra Patricio-Bordomás (SPAIN)
<b>P6</b>	<b>Clinical ultrasound in a septic and jaundice patient in the emergency department.</b> Margarita Algaba-Montes, Alberto Oviedo-García, Mayra Patricio-Bordomás (SPAIN)
<b>P7</b>	<b>Diagnostic yield of clinical echocardiography for the emergency physician.</b> Alberto Oviedo-García, Margarita Algaba-Montes, Mayra Patricio-Bordomás (SPAIN)
<b>P8</b>	<b>Usefulness of abdominal ultrasound for acute pyelonephritis diagnosis after kidney transplantation</b> Ji-Han Lee (REPUBLIC OF KOREA)
<b>P9</b>	<b>Educational effectiveness of easy-made new simulator model for ultrasound-guide procedures in pediatric patients: vascular access and foreign body management</b> Ikwan Chang, Jin Hee Lee, Young Ho Kwak, Do Kyun Kim (REPUBLIC OF KOREA)
<b>P10</b>	<b>Awareness and Use of Clinician-Performed Ultrasound among Clinical Clerkship Faculty</b> Elizabeth Harmon, Wilma Chan, Cameron Baston, Gail Morrison, Frances Shofer, Nova Panebianco, Anthony J. Dean (UNITED STATES)
<b>P11</b>	<b>Characterization of the Eyes in Preoperative Cataract Saudi Patients by Using Medical Diagnostic Ultrasound</b> Mustafa Z. Mahmoud, Abdelmoneim Sulieman (SAUDI ARABIA)
<b>P12</b>	<b>High Frequency Ultrasound in Determining the Causes of Acute Shoulder Joint Pain</b> Mustafa Z. Mahmoud (SAUDI ARABIA)
<b>P13</b>	<b>Teaching Winfocus Ultrasound Life Support Basic Level 1 for Providers in Resource Limited Countries</b> Abbas Ali, Alrayah Mustafa, Ihab Abdelrahman, Mustafa Bahar, Osama Ali, H. Lester Kirchner, Gregor Prosen (UNITED STATES)
<b>P14</b>	<b>Unusual case of defecation syncope</b> Nur hafiza Yezid, Fatahul Laham Mohammed (MALAYSIA)
<b>P15</b>	<b>Changes of Aterial Stiffness and Endothelial Function During Uncomplicated Pregnancy</b> Ajda Anzic, Paul Leeson (SLOVENIA)
<b>P16</b>	<b>A pilot survey on an understanding of Point of Care Bedside Ultrasound (POCUS) among medical doctors in internal medicine: Exposure, Perceptions, Interest and Barriers to training.</b> Peh Wee Ming (SINGAPORE)
<b>P17</b>	<b>A Case Report of massive Pulmonary Embolism; A Multidisciplinary approach.</b> Zainal Abidin Huda, Wan Nasarudin Wan Ismail, W.Yus Haniff W.Isa, Hashairi Fauzi, Praveena Seeva, Mohd Zulfakar Mazlan, (MALAYSIA)
<b>P18</b>	<b>Work-Related Repetitive Use Injuries in Ultrasound Fellows</b> Kristine Robinson, Clara Kraft, Benjamin Moser, Stephen Davis, Shelley Layman, Yusef Sayeed, Joseph Minardi (UNITED STATES)
<b>P19</b>	<b>A Case of Undergraduate POCUS (R)evolution</b> Sara Nikolić, Jan Hansel, Rok Petrovčič, Una Mršič, Gregor Prosen (SLOVENIA)
<b>P20</b>	<b>Needs Assessment of the Potential Utility of Point of Care Ultrasound Within the Zanzibar Health System</b> Abiola Fasina, Anthony J. Dean, Nova L. Panebianco, Patricia S. Henwood (UNITED STATES)
<b>P21</b>	<b>Low-cost Non-commercial Ultrasound Gels For Use In Resource-limited Settings</b> Alexandra Vinograd, Abiola Fasina, Anthony J. Dean, Saurabh Gupta, Frances Shofer, Nova S. Panebianco, Patricia S. Henwood (UNITED STATES)
<b>P22</b>	<b>Abdominal probe in the hands of interns as a relevant diagnostic tool in revealing the cause of heart failure</b> Ela Čurčić, Ena Pritišanac, Ivo Planinc, Marijana Grgić Medić, Radovan Radonić (CROATIA)
<b>P23</b>	<b>An old man with generalized weakness</b> Maryam Bahreini, Fatemeh Rasooli (ISLAMIC REPUBLIC OF IRAN)
<b>P24</b>	<b>Ultrasonography for non-specific presentations of abdominal pain</b> Maryam Bahreini, Houman Hosseinnejad (ISLAMIC REPUBLIC OF IRAN)
<b>P25</b>	<b>A new technique in verifying the placement of a nasogastric tube: Obtaining the longitudinal view of nasogastric tube in addition to transverse view with ultrasound.</b> Yahya Acar, Necati Salman, Onur Tezel, Erdem Cevik (TURKEY)
<b>P26</b>	<b>Transabdominal ultrasound screening for pancreatic cancer in Croatian military veterans: a retrospective analysis from the first Croatian veteran's hospital</b> Edina Čatić Čuti, Stanko Belina, Tihomir Vančina, Idriz Kovačević (CROATIA)
<b>P27</b>	<b>Detection of Imperforated Hymen by point of care ultrasound</b> Hsiu-yung Pan, Chia-Te Kung (TAIWAN, THE REPUBLIC OF CHINA)
<b>P28</b>	<b>Focused Cardiac Ultrasound In Early Diagnosis Of Type A Aortic Dissection With Atypical Presentation</b> Chun - I Pan, Hsiu-Yung Pan, Chien-Hung Wu (TAIWAN, THE REPUBLIC OF CHINA)
<b>P29</b>	<b>Detection of Uterine Rupture by Point-Of-Care Ultrasound at Emergency Department: A case Report</b> Chi-Yung Cheng, Hsiu-Yung Pan, Chia-Te Kung (TAIWAN, THE REPUBLIC OF CHINA)
<b>P30</b>	<b>Use of Transthoracic Echocardiography in Emergency Setting - Patient with Mitral Valve Abscess</b> Maja Potisek, Borut Drnovšek, Boštjan Leskovar (SLOVENIA)
<b>P31</b>	<b>Lung Ultrasonography in the Evaluation of Pneumonia in Children</b> Irmira Sefic Pasic, Amra Džananovic, Anes Pasic, Sandra Vegar Zubovic (BOSNIA AND HERZEGOVINA)
<b>P32</b>	<b>Point-of-care ultrasound examination of cervical spine in emergency department.</b> Yahya Acar, Onur Tezel, Necati Salman (TURKEY)
<b>P33</b>	<b>A young man with syncope</b> Fatemeh Rasooli, Maryam Bahreini (ISLAMIC REPUBLIC OF IRAN)
<b>P34</b>	<b>The Challenge of AAA - Unusual case of obstructive jaundice</b> Edina Čatić Čuti, Nadan Rustemović (CROATIA)
<b>P35</b>	<b>Moderate to severe Left ventricular ejection fraction related to short-term mortality of patients with post-cardiac arrest syndrome after out-of hospital cardiac arrest</b> Jinjoo Kim, Jinhyun Kim, Gyoosung Choi, Dowon Shim (REPUBLIC OF KOREA)
<b>P36</b>	<b>The SAFER Lasso; A novel approach using point of care ultrasound to evaluate patients with abdominal complaints in the Emergency Department</b> Youngrock Harmon, Hongchuen Toh (REPUBLIC OF KOREA)
<b>P37</b>	<b>Central venous catheter placement with the ultrasound aid - two years experience of the Interventional unit, Division of Intensive Care Medicine, KBC Zagreb</b> Ana Godan Hauptman, Marijana Grgic Medic, Ivan Tomic, Ana Vujaklija Brajkovic, Jaksa Babel, Marina Peklic, Radovan Radonic (CROATIA)
<b>P38</b>	<b>Duplicitas casui - two patients admitted due to acute liver failure</b> Vedran Radonic, Ivan Tomic, Luka Bielen, Marijana Grgic Medic (CROATIA)
<b>P39</b>	<b>Poin of Care Lung Ultrasound - a Good Diagnostic Tool for Pneumonia in a Septic Patient</b> Hugon Možina, Zoltan Narancsik (SLOVENIA)
<b>P40</b>	<b>Focused echocardiography monitoring in the postoperative period for non-cardiac patients</b> Asta Mačiulienė, Almantas Maleckas, Algimantas Kriščiukaitis, Vytautas Mačiulis, Andrius Macas (LITHUANIA)
<b>P41</b>	<b>Review of Ectopic Pregnancies Diagnosed By Emergency Department Point-of- Care Ultrasound (POCUS)</b> Orinthia King, Tina Dulani, Maya Lin, Andrew Balk, Lawrence Melniker, Benjamin Weissman, Gerardo Chiricolo (USA)
<b>P42</b>	<b>Usefulness of abdominal ultrasound for acute pyelonephritis diagnosis after kidney transplantation</b> Chi Hwan Kwack , Ji Han Lee (REPUBLIC OF KOREA)
<b>P43</b>	<b>Developing a Point-of-Care Ultrasound Curriculum for Pediatric Nurse Practitioners Practicing in the Pediatric Emergency Department</b> Sarah Pasquale, Stephanie J. Doniger, Sharon Yellin, Gerardo Chiricolo (USA)
<b>P44</b>	<b>Bedside functional ultrasound test to diagnose inadvertent intrapleural subclavian central venous line</b> Pablo Bravo, R Carvajal, F Diaz, JA Carrasco (CHILE)

## Information for Speakers and Poster Presenters

### Poster presentations

Posters will be displayed in the Foyer 1 all the time during the congress. Display boards will be numbered.

### Speakers' Centre

The Congress staff will ensure that your presentation is downloaded on the computer in your specific session room. Please make sure that your computer presentation is fully operational before your talk. Only Power Point presentations, CDROM, ZIP disk USB1 Memory cards will be accepted. Version MS PowerPoint 2010 is recommended. We suggest that your computer presentation be installed and tested at least two hours before your talk. A technician and a room attendant will be in every room to provide assistance when needed.

### Internet

Wireless internet connection is available in Foyer II. The name of the network is **CD\_GUEST**. No login or password is needed.

## Registration and Fees

### The registration Congress fee includes:

- Participation in all lectures.
- Congress bag including programme
- Admission to Welcome Reception.
- Coffee during the breaks
- Lunch

### The registration Course fee:

- Participation in all lectures
- Coffee during the breaks
- Lunches

### The registration Course & Congress fee includes:

- Admission to Welcome Reception
- Participation in all lectures
- Congress bag including programme
- Coffee during the breaks
- Lunches during Course

## Registration and Information Desk

The Registration Desk for the WINFOCUS Conference will be located in the First Foyer of Cankarjev dom as follows:

Wednesday, September 7	8.00 – 18.00
Thursday, September 8	8.00 – 18.00
Friday, September 9	8.00 – 19.00
Saturday, September 10	8.00 – 18.00

## Social Programme

### Friday, September, 2016

### 19.00 – 21.00 Welcome Reception / Cankarjev dom - First Foyer

Included in the fee for participants.

## General Information

### Conference Identification Badge

A conference identification badge will be included in the conference material provided upon registration. There will be no admittance to the Scientific Sessions without the conference badge. Invitations to social events will be collected at the entrance.

### Attendance Certificate

A Certificate of Attendance will be issued to all registered participants.

### Coffee Breaks

During breaks, refreshments will be served free of charge to participants wearing congress badges.


### Lunches

Working lunches (standing buffet) are included in the registration fee and will be served at lunchtime in Foyer II.

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Alan Key

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