

## PRE-CONGRESS COURSE IN GENERAL INTENSIVE CARE ULTRASOUND

October 21-22, 2023  
Face-to-face, Milan, Italy

### DAY 1 – October 21, 2023

#### Afternoon session

13:00 Welcome, why and pathway L. Galarza / A. Wong

13:10 Introduction to focused echocardiography: How to? (*Live demo*) B. Cholley

Moderator/float: A. Wong and A. Zaher

| HANDS ON      | Station 1<br><i>C. Balan</i> | Station 2<br><i>M. Zawadka</i> | Station 3<br><i>H. Groesdonk</i> | Station 4<br><i>P. Tuinman</i> | Station 5<br><i>D. Perez</i> | Station 6<br><i>J. Aron</i> |
|---------------|------------------------------|--------------------------------|----------------------------------|--------------------------------|------------------------------|-----------------------------|
| 13:40 – 14:05 | G                            | H                              | I                                | J                              | K                            | L                           |
| 14:05 – 14:30 | L                            | G                              | H                                | I                              | J                            | K                           |
| 14:30 – 14:55 | K                            | L                              | G                                | H                              | I                            | J                           |

Moderator: L. Galarza

| Interactive sessions |                                                   |             |
|----------------------|---------------------------------------------------|-------------|
| 13:40 – 14:05        | <b>Interact cardiac 1:</b><br><i>O. Hunsicker</i> | A+B+C+D+E+F |
| 14:05 – 14:30        | <b>Interact cardiac 2:</b><br><i>M. Slama</i>     | A+B+C+D+E+F |
| 14:30 – 14:55        | <b>Interact cardiac 3:</b><br><i>M. Chew</i>      | A+B+C+D+E+F |

14:55 BREAK

Moderator/float: L. Galarza

| HANDS ON      | Station 1       | Station 2       | Station 3           | Station 4         | Station 5       | Station 6      |
|---------------|-----------------|-----------------|---------------------|-------------------|-----------------|----------------|
|               | <i>C. Balan</i> | <i>A. Zaher</i> | <i>H. Groesdonk</i> | <i>P. Tuinman</i> | <i>D. Perez</i> | <i>J. Aron</i> |
| 15:10 – 15:35 | A               | B               | C                   | D                 | E               | F              |
| 15:35 – 16:00 | F               | A               | B                   | C                 | D               | E              |
| 16:00 – 16:25 | E               | F               | A                   | B                 | C               | D              |

Moderator: O Hamzaoui

| Interactive sessions |                                                   |             |
|----------------------|---------------------------------------------------|-------------|
| 15:10 – 15:35        | <b>Interact cardiac 1:</b><br><i>O. Hunsicker</i> | G+H+I+J+K+L |
| 15:35 – 16:00        | <b>Interact cardiac 2:</b><br><i>M. Chew</i>      | G+H+I+J+K+L |
| 16:00 – 16:25        | <b>Interact cardiac 3:</b><br><i>B. Cholley</i>   | G+H+I+J+K+L |

16:25 BREAK

Moderator/float: P. Tuinman

| HANDS ON    | Station 1           | Station 2      | Station 3           | Station 4       | Station 5         | Station 6       |
|-------------|---------------------|----------------|---------------------|-----------------|-------------------|-----------------|
|             | <i>H. Groesdonk</i> | <i>A. Wong</i> | <i>O. Hunsicker</i> | <i>C. Balan</i> | <i>B. Cholley</i> | <i>D. Perez</i> |
| 16:40-17:05 | A                   | B              | C                   | D               | E                 | F               |
| 17:05-17:30 | F                   | A              | B                   | C               | D                 | E               |

Moderator: A. Zaher

| Interactive sessions |                                                 |             |
|----------------------|-------------------------------------------------|-------------|
| 16:40-17:05          | <b>Interact cardiac 4:</b><br><i>M. Zawadka</i> | G+H+I+J+K+L |
| 17:05-17:30          | <b>Interact cardiac 5:</b><br><i>L. Galarza</i> | G+H+I+J+K+L |

17:30 BREAK



*The Intensive Connection*



Moderator/float: C. Balan

| HANDS ON    | Station 1<br><i>O. Hunsicker</i> | Station 2<br><i>P. Tuinman</i> | Station 3<br><i>A. Wong</i> | Station 4<br><i>D. Perez</i> | Station 5<br><i>B. Cholley</i> | Station 6<br><i>F. Sanfilippo</i> |
|-------------|----------------------------------|--------------------------------|-----------------------------|------------------------------|--------------------------------|-----------------------------------|
| 17:45-18:05 | G                                | H                              | I                           | J                            | K                              | L                                 |
| 18:05-18:25 | L                                | G                              | H                           | I                            | J                              | K                                 |

Moderator: A. Zaher

| Interactive sessions |                                                 |             |
|----------------------|-------------------------------------------------|-------------|
| 17:45-18:05          | <b>Interact cardiac 4:</b><br><i>M. Zawadka</i> | A+B+C+D+E+F |
| 18:05-18:25          | <b>Interact cardiac 5:</b><br><i>L. Galarza</i> | A+B+C+D+E+F |

18:30 Putting it all together - Fluids!

*A. Wong*

*(Interactive discussion)*

18:50 Wrap up with Kahoot (+Virtual reality)

*C Balan*

19:30 END DAY 1

## **DAY 2 – October 22, 2023**

### **Morning session**

08:30 Review of day 1

*A. Wong/C. Balan*

09:00 Introduction to lung ultrasound: How to? (*Live demo*)

*P. Tuinman*

| HANDS ON     | Station 1<br><i>A. Zaher</i> | Station 2<br><i>M. Slama</i> | Station 3<br><i>H. Groesdonk</i> | Station 4<br><i>M. Zawadka</i> | Station 5<br><i>A. Wong</i> | Station 6<br><i>P. Tuinman</i> |
|--------------|------------------------------|------------------------------|----------------------------------|--------------------------------|-----------------------------|--------------------------------|
| 9:30 – 9:50  | A                            | B                            | C                                | D                              | E                           | F                              |
| 9:50 – 10:20 | F                            | A                            | B                                | C                              | D                           | E                              |

Moderator: J. Aron

| Interactive sessions |                                       |             |
|----------------------|---------------------------------------|-------------|
| 9:30 – 9:50          | <b>Lung US 1</b><br><i>B. Cholley</i> | G+H+I+J+K+L |
| 9:50 – 10:20         | <b>Lung US 2</b><br><i>C. Balan</i>   | G+H+I+J+K+L |

10:20 BREAK

| HANDS ON      | Station 1<br><i>A. Zaher</i> | Station 2<br><i>M. Slama</i> | Station 3<br><i>H. Groesdonk</i> | Station 4<br><i>M. Zawadka</i> | Station 5<br><i>L. Galarza</i> | Station 6<br><i>P. Tuinman</i> |
|---------------|------------------------------|------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 10:40 – 11:00 | G                            | H                            | I                                | J                              | K                              | L                              |
| 11:00 – 11:20 | L                            | G                            | H                                | I                              | J                              | K                              |

Moderator: J. Aron

| Interactive sessions |                                       |             |
|----------------------|---------------------------------------|-------------|
| 10:40 – 11:00        | <b>Lung US 1</b><br><i>B. Cholley</i> | A+B+C+D+E+F |
| 11:00 – 11:20        | <b>Lung US 2</b><br><i>C. Balan</i>   | A+B+C+D+E+F |

11:20 BREAK

11:30 Introduction to abdominal ultrasound: How to? *(Live demo)*

A. Wong

11:50 Introduction to vascular ultrasound: How to? *(Live demo)*

A. Zaher

12:10 LUNCH BREAK

### Afternoon session

13:10 Introduction to brain ultrasound: How to? *(Live demo)*

C. Robba/ A. Sarwal

| HANDS ON      | Station 1<br>Neuro<br><i>A. Sarwal</i> | Station 2<br>Abdo<br><i>M. Zawadka</i> | Station 3<br>Vascular<br><i>O. Hunsicker</i> | Station 4<br>Neuro<br><i>D. Perez</i> | Station 5<br>Abdo<br><i>C. Balan</i> | Station 6<br>Vascular<br><i>H. Groesdonk</i> |
|---------------|----------------------------------------|----------------------------------------|----------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------|
| 13:30 – 14:00 | G                                      | H                                      | I                                            | J                                     | K                                    | L                                            |
| 14:00 – 14:30 | L                                      | G                                      | H                                            | I                                     | J                                    | K                                            |
| 14:30 – 15:00 | K                                      | L                                      | G                                            | H                                     | I                                    | J                                            |

Moderator: O. Hamzaoui

| Interactive sessions |                                                |             |
|----------------------|------------------------------------------------|-------------|
| 13:30 – 14:00        | <b>Interact 1: Neuro</b><br><i>C. Robba</i>    | A+B+C+D+E+F |
| 14:00 – 14:30        | <b>Interact 2: Abdominal</b><br><i>A. Wong</i> | A+B+C+D+E+F |
| 14:30 – 15:00        | <b>Interact 3: Vascular</b><br><i>A. Zaher</i> | A+B+C+D+E+F |

15:00 BREAK

| HANDS ON      | Station 1<br>Neuro<br><i>A. Sarwal</i> | Station 2<br>Abdo<br><i>M. Zawadka</i> | Station 3<br>Vascular<br><i>O. Hunsicker</i> | Station 4<br>Neuro<br><i>D. Perez</i> | Station 5<br>Abdo<br><i>C. Balan</i> | Station 6<br>Vascular<br><i>H. Groesdonk</i> |
|---------------|----------------------------------------|----------------------------------------|----------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------|
| 15:20 – 15:50 | A                                      | B                                      | C                                            | D                                     | E                                    | F                                            |
| 15:50 – 16:20 | F                                      | A                                      | B                                            | C                                     | D                                    | E                                            |
| 16:20 – 16:50 | E                                      | F                                      | A                                            | B                                     | C                                    | D                                            |



*The Intensive Connection*



Moderator: O. Hamzaoui

| Interactive sessions |                                                |             |
|----------------------|------------------------------------------------|-------------|
| 15:20 – 15:50        | <b>Interact 1: Neuro</b><br><i>A. Wong</i>     | G+H+I+J+K+L |
| 15:50 – 16:20        | <b>Interact 2: Abdominal</b><br><i>A. Wong</i> | G+H+I+J+K+L |
| 16:20 – 16:50        | <b>Interact 3: Vascular</b><br><i>A. Zaher</i> | G+H+I+J+K+L |

16:55 Interactive lecture: Head to toes ultrasound evaluation

*C. Balan*

17:30 Wrap up with Kahoot

*D. Perez /C.Balan*

18:00 END DAY 2