Interactive Theoretical-Practical Course

ACID-BASE EQUILIBRIUM: TO REMEMBER YOU NEED TO UNDERSTAND...

Course Director: **L. Gattinoni** | Max 80 participants

AMBER HALL 5

Tuesday, May 23

8.30 **Registration**

8.40 **Opening greetings and presentation of the Course**
L. Gattinoni

8.55 **Warm-up case**
F. Zadek

9.05 **Gas exchange. Overall evaluation of oxygen and CO_2: similarities and differences**
L. Gattinoni

9.40 **Physicochemical approach to acid-base equilibrium: advantages and limitations**
P. Caironi

10.10 **Classic approach to acid-base equilibrium: what does the Henderson-Hasselbalch really mean?**
L. Gattinoni

10.40 **How does the blood gas analyzer work? Pre-analytical errors and meaning of the measured/calculated variables**
T. Langer

11.10 **Technological evolution in blood gas analysis**
D. Colombo

11.30 COFFEE BREAK

11.45 **A single reading key for respiration and circulation: the arterio-venous blood gas analysis**
L. Gattinoni

12.05 **Base Excess: clinical use and limitations**
T. Langer

12.25 **INTERACTIVE CLINICAL CASES – Part 1**
T. Langer, F. Zadek, P. Caironi, L. Gattinoni

13.25 LUNCH BREAK

14.15 **Metabolic acidosis: diagnosis and treatment with alkalinizing agents**
P. Caironi

14.35 **Metabolic alkalosis: what produces and what maintains it**
T. Langer

14.55 **Respiratory acidosis: when and how to correct it**
L. Gattinoni

15.15 **Boston rules revisited**
F. Zadek

15.35 **Acid-base alterations induced by intravenous fluid therapy**
P. Caironi

15.55 BREAK

16.15 **Cerebrospinal fluid acid-base equilibrium**
F. Zadek

16.35 **Diuretics and acid-base**
P. Caironi

16.55 **INTERACTIVE CLINICAL CASES – Part 2**
T. Langer, F. Zadek, P. Caironi, L. Gattinoni

17.55 **Closing remarks**
L. Gattinoni

The Course includes an interactive discussion of clinical scenarios with voting. Interactive voting is possible through the app **Poll Everywhere** (https://www.polleverywhere.com/mobile) or by linking at https://pollev.com/thomaslanger673