

EDUCATIONAL COURSES

MAY 23

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	14.15	Metabolic acidosis: diagnosis and treatment with alkalinizing agents <i>P. Caironi</i>
8.40	Opening greetings and presentation of the Course <i>L. Gattinoni</i>	14.35	Metabolic alkalosis: what produces and what maintains it <i>T. Langer</i>
8.55	Warm-up case <i>F. Zadek</i>	14.55	Respiratory acidosis: when and how to correct it <i>L. Gattinoni</i>
9.05	Gas exchange. Overall evaluation of oxygen and CO₂: similarities and differences <i>L. Gattinoni</i>	15.15	Boston rules revisited <i>F. Zadek</i>
9.40	Physicochemical approach to acid-base equilibrium: advantages and limitations <i>P. Caironi</i>	15.35	Acid-base alterations induced by intravenous fluid therapy <i>P. Caironi</i>
10.10	Classic approach to acid-base equilibrium: what does the Henderson-Hasselbalch really mean? <i>L. Gattinoni</i>	15.55	BREAK
10.40	How does the blood gas analyzer work? Pre-analytical errors and meaning of the measured/calculated variables <i>T. Langer</i>	16.15	Cerebrospinal fluid acid-base equilibrium <i>F. Zadek</i>
11.10	Technological evolution in blood gas analysis <i>D. Colombo</i>	16.35	Diuretics and acid-base <i>P. Caironi</i>
11.30	COFFEE BREAK	16.55	INTERACTIVE CLINICAL CASES - Part 2 <i>T. Langer, F. Zadek, P. Caironi, L. Gattinoni</i>
11.45	A single reading key for respiration and circulation: the arterio-venous blood gas analysis <i>L. Gattinoni</i>	17.55	Closing remarks <i>L. Gattinoni</i>
12.05	Base Excess: clinical use and limitations <i>T. Langer</i>	18.05	APERITIF
12.25	INTERACTIVE CLINICAL CASES - Part 1 <i>T. Langer, F. Zadek, P. Caironi, L. Gattinoni</i>		
13.25	LUNCH BREAK		

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>