

Interactive Theoretical-Practical Course

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

Course Director: **T. Langer** | Max 80 participants

**OCEAN 1 HALL**

**Tuesday May 6**

8.30	REGISTRATION	14.15	<b>Metabolic acidosis: diagnosis and treatment with alkalinizing agents</b> <i>N. Van Regenmortel</i>
8.40	<b>Opening greetings and presentation of the Course</b> <i>T. Langer</i>	14.35	<b>Metabolic alkalosis: what produces and what maintains it</b> <i>T. Langer</i>
8.50	<b>Warm-up case</b> <i>S. Brusatori</i>	14.55	<b>Respiratory acidosis: when and how to correct it</b> <i>L. Giosa</i>
9.00	<b>Gas exchange. Overall evaluation of oxygen and CO<sub>2</sub>: similarities and differences</b> <i>L. Giosa</i>	15.15	<b>Boston rules revisited</b> <i>F. Zadek</i>
9.30	<b>Decoding Henderson-Hasselbalch: a classic acid-base perspective</b> <i>T. Langer</i>	15.35	<b>Acid-base alterations induced by intravenous fluid therapy</b> <i>F. Duska</i>
10.05	<b>Physicochemical approach to acid-base equilibrium: advantages and limitations</b> <i>N. Van Regenmortel</i>	15.55	BREAK
10.40	<b>Blood gas analysis: understanding the machine, the measurements, and the mistakes</b> <i>F. Duska</i>	16.15	<b>Cerebrospinal fluid acid-base equilibrium</b> <i>F. Zadek</i>
11.10	<b>Technological evolution in blood gas analysis</b> <i>D. Colombo</i>	16.35	<b>Diuretics and acid-base</b> <i>P. Caironi</i>
11.30	COFFEE BREAK	16.55	<b>INTERACTIVE CLINICAL CASES – Part 2</b>
11.45	<b>Beyond the arterial sample: the added value of venous blood analysis</b> <i>S. Brusatori</i>	17.55	CLOSING REMARKS <i>T. Langer</i>
12.05	<b>Base Excess: merits and pitfalls</b> <i>L. Giosa</i>		
12.25	<b>INTERACTIVE CLINICAL CASES – Part 1</b>		
13.25	LUNCH BREAK		

Unrestricted grant of **werfen**

**SEDE: Allianz MiCo - North Wing**  
INGRESSO GATE 6: Angolo Viale Scarampo /  
Viale Teodorico, Milano

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>