

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	Metabolic acidosis: diagnosis and treatment with alkalinizing agents <i>N. Van Regenmortel</i>
8.40	Opening greetings and presentation of the Course <i>T. Langer</i>	14.35	Metabolic alkalosis: what produces and what maintains it <i>T. Langer</i>
8.50	Warm-up case <i>S. Brusatori</i>	14.55	Respiratory acidosis: when and how to correct it <i>L. Giosa</i>
9.00	Gas exchange. Overall evaluation of oxygen and CO₂: similarities and differences <i>L. Giosa</i>	15.15	Boston rules revisited <i>F. Zadek</i>
9.30	Decoding Henderson-Hasselbalch: a classic acid-base perspective <i>T. Langer</i>	15.35	Acid-base alterations induced by intravenous fluid therapy <i>F. Duska</i>
10.05	Physicochemical approach to acid-base equilibrium: advantages and limitations <i>N. Van Regenmortel</i>	15.55	BREAK
10.40	Blood gas analysis: understanding the machine, the measurements, and the mistakes <i>F. Duska</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
11.45	Beyond the arterial sample: the added value of venous blood analysis <i>S. Brusatori</i>	17.55	CLOSING REMARKS <i>T. Langer</i>
12.05	Base Excess: merits and pitfalls <i>L. Giosa</i>		
12.25	INTERACTIVE CLINICAL CASES – Part 1		
13.25	LUNCH BREAK		

Unrestricted grant of **werfen**

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>