

Cordially invites you to the CPD on

THE CHEMISTRY OF LIFE

UNDERSTANDING BLOOD GASES & ELECTROLYTES ^{K⁺}

NA⁺ Mg⁺ Ca⁺ Cl⁻

July 12, 2025 | 08:00 am to 05:00 pm
9th Floor, Auditorium - 1, Yashoda Hospitals, Secunderabad

Applied for 2TGMC Credit Points

Registration Fee: ₹ 500/-

RSVP: Dr. Madhavi - 984 961 5564

PROGRAM SCHEDULE

12 July, 2025

PATRON



Dr. Pavan Gorukanti, MD
Pulmonary & Critical Care (ABIM)
Director - Yashoda Hospitals

GUEST OF HONOUR



Dr. A. Lingaiah
Director - Medical Services
Yashoda Hospitals

CHIEF GUEST



Dr. Vijay Kumar
Unit Head
Yashoda Hospitals, Secunderabad

ORGANISING CHAIRPERSON



Dr. Raj Kumar Rathod
Group Head - Laboratory
& Transfusion Medicine,
Yashoda Hospitals

ORGANIZING COMMITTEE DEPT. OF CLINICAL BIOCHEMISTRY

Dr. D. Madhavi,
Dr. Anamika Aluri,
Dr. Ramya Nemani,
Dr. YBD Suchetha,
Dr. Lakshman Kumar M

08:00 am - 09:00 am

: REGISTRATION

09:00 am - 09:10 am

: Welcome Note

: Dr. Raj Kumar Rathod, Group Head - Laboratory and
Transfusion Medicine, Yashoda Hospitals

09:10 am - 09:45 am

Topic

: Pathophysiology of fluid, Electrolyte & Acid-base Balance

Speaker

: Dr. Madhavi D, HOD-Biochemistry, Yashoda Hospitals, Secunderabad

Chairperson

: Dr. Asma Niloufer, HOD-Biochemistry and TDM,
Apollo Hospitals, Jubilee Hills, Hyderabad

09:45 am - 10:15 am

Topic

: Interpretation of Blood Gas Report

Speaker

: Dr. Hari Prasad A, Consultant Critical Care Medicine,
Yashoda Hospitals, Somajiguda

Chairperson

: Dr. Madhusudhan Jaju, HOD-Critical Care Medicine,
Yashoda Hospitals, Secunderabad

10:15 am - 10:45 am

Topic

: Preanalytical pitfalls in Acid-base Analysis

Speaker

Dr. Ramya Nemani, Consultant Biochemist,
Yashoda Hospitals, Secunderabad

Chairperson

Dr. Prashanthi M, Lab Director - Renova Century Hospitals, Hyderabad

10:45 am - 11:15 am

: INAUGURATION

11:15 am - 11:30 am

: TEA

11:30 am - 12:30 pm

**Topic
Case-1**

: Electrolyte Abnormalities - Case Studies

: Sodium Disorders

: Dr. Durgesh Satalkar, Sr. Consultant Critical Care Medicine,
Yashoda Hospitals, Secunderabad

Case-2

: Potassium Disorders

Dr. Kaladhar S, HOD-Critical Care Medicine,
Yashoda Hospitals, Malakpet

Case-3

: Magnesium Disorders

Dr. Srikanth D, Consultant Critical Care Medicine,
Yashoda Hospitals, Hitec City

Case-4

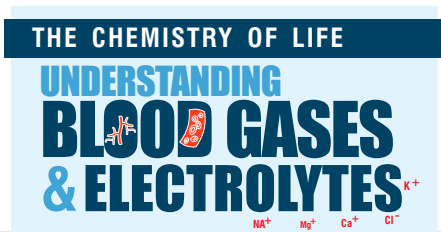
: Phosphorus Disorders

Dr. Nishanth T R, Consultant Critical Care Medicine,
Yashoda Hospital, Hitec City

Case-5

: Calcium Disorders

Dr. Uday Kiran, Consultant Critical Care Medicine,
Yashoda Hospitals, Secunderabad



PROGRAM SCHEDULE

12 July, 2025

12:30 pm - 01:15 pm		PANEL DISCUSSION		03:30 pm - 04:00 pm		Topic	: AI Assisted Blood Gas Report Interpretation
	Topic	:	a. Arterial vs. Venous Blood Gas Analysis		Speaker	:	Dr. B. J. Rajesh, Sr. Consultant Neurosurgeon, Yashoda Hospitals, Secunderabad
	Moderator	:	b. Serum electrolytes vs. Blood Gas Electrolytes		Chairperson	:	Dr. Rajkumar Rathod, Group Head - Laboratory & Transfusion Medicine, Yashoda Hospitals
	Panelists	:	1. Dr. Madhavi D, HOD - Biochemistry, Yashoda Hospitals, Secunderabad.		Topic	:	Blood Gas Analysis - Case studies
			2. Dr. Venkata Ramana Kola, Clinical Director, Critical Care, Yashoda Hospitals, Hitec City		Case-1	:	Metabolic Acidosis Dr. Sai Teja K, Consultant Critical Care Medicine, Yashoda Hospitals, Secunderabad
			3. Dr. Bhavya Sirivelu, Asst. Prof. Dept. of Biochemistry, NIMS		Case-2	:	Metabolic Alkalosis Dr. Hareesh A, Consultant Critical Care Medicine, Yashoda Hospitals, Secunderabad
			4. Dr. Tarun Kumar Saha, Sr. Consultant Nephrologist and Transplant Physician, Yashoda Hospitals, Secunderabad		Case-3	:	Respiratory Acidosis Dr. Sri Charan G, Consultant Intensivist and ECMO Physician, Yashoda Hospitals, Secunderabad
			5. Dr. Hemlatha Bhoompally, Sr. Consultant Intensivist, Yashoda Hospitals, Secunderabad.		Case-4	:	Mixed Acid-base Disorders Dr. K. C. Mishra, HOD-Critical Care Medicine, Yashoda Hospitals, Somajiguda
			6. Dr. Malaya Kumar Mishra, Sr. Consultant and HOD-Emergency Medicine, Yashoda Hospitals, Secunderabad.		Case-5	:	Diabetic Ketoacidosis Dr. Raman Boddula, Sr. Consultant Endocrinologist, Yashoda Hospitals, Secunderabad
01:15 pm - 02:00 pm		: LUNCH		05:00 pm - 05:10 pm			: Vote of Thanks
02:00 pm - 02:30 pm	Topic	:	Clinical importance of Ancillary Parameters in Blood Gas Analysis				: Dr. Ramya Nemani
	Speaker	:	Dr. Sowjanya Shree, Sr. Consultant and HOD-Emergency Medicine, Yashoda Hospitals, Hitec City				
	Chairperson	:	Dr. Raghu Kondle, Sr. Consultant and HOD-Emergency Medicine, Yashoda Hospitals, Malakpet				
02:30 pm - 03:00 pm	Topic	:	Spurious Electrolyte Results: Understanding Laboratory Reasons				
	Speaker	:	Dr. Y. B. D. Suchetha, Consultant Biochemist, Yashoda Hospitals, Somajiguda				
	Chairperson	:	Dr. Deepika G, HOD-Biochemistry, Asian Institute of Gastroenterology, Hyderabad				
03:00 pm - 03:30 pm	Topic	:	Interpretation of Urine Electrolytes and Osmolality				
	Speaker	:	Dr. Vamshikrishna Nagalla, Consultant Nephrologist and Transplant Physician, Yashoda Hospitals, Secunderabad				
	Chairperson	:	Dr. Suresh Babu V, Sr. Consultant Nephrologist, Yashoda Hospitals, Secunderabad				
						: TEA	



CENTER OF EXCELLENCE

