

SGPGI: 01 Course on Fluid and Electrolytes in Sick Patients
January 2021 (Endocrinology department)

Date	Time	Topic	Speaker
25 Jan 2021	3-5 pm	Acid base disturbances <ul style="list-style-type: none"> • Basic biochemistry and terminology • Step-wise approach to acid base disturbances 	Dr. Nabeel Muzaffar Dr. Siddhnath Sudhanshu
	26 Jan 2021	3-4 pm	Acid base disturbances <ul style="list-style-type: none"> • Common clinical situations and their management
	4-5 pm	Case based interactive session: Acid base disturbances	Dr Siddhnath Sudhanshu
27 Jan 2021	3-4 pm	Fluid requirement in different situations	Dr. Banani Poddar
	4-5 pm	Colloids: Evidence based role in critically ill patients (Included 20 minutes interactive sessions in each lecture on types and compositions of various kinds of IV fluids)	Dr. Mohan Gurjar
28 Jan 2021	3-4 pm	Sodium disturbances <ul style="list-style-type: none"> • Water and sodium homeostasis • Hyponatremia: approach and management • Hypernatremia: approach and management 	Dr. Kirti Naranje
	4-5 pm	Case based interactive session: fluid and electrolyte management	Dr Siddhnath Sudhanshu
29 Jan 2021	3-4 pm	Potassium disturbances <ul style="list-style-type: none"> • Hypokalemia: effects and management • Hyperkalemia: effects and management 	Dr. Preeti Dabadghao
	4-5 pm	Approach to hypocalcemia and hypomagnesemia	Dr. Saroj Kumar Sahoo
30 Jan 2021	11-12 noon	Calcium and phosphorus disturbances <ul style="list-style-type: none"> • Calcium disturbances in the ICU • Hypophosphatemia: Clinical effects and management 	Dr. Subhash Yadav
	12-1 pm	Written assessment and course evaluation	

Learning objectives of the course

At the end of this course, the participants should be able to

1. Identify and manage common acid base disturbances faced in clinical practice
2. Understand the clinical indications for fluid therapy and the choice of fluids recommended in different clinical situations
3. Understand the pathophysiology of common electrolyte disturbances, identify them and manage them appropriately