



# IPOKRATES Foundation Clinical Seminar

## A primer on renal physiology and workshop on fluid & electrolytes disturbances

August 26-27, 2017  
Kolkata, India

### Objectives

IPOKRATES seminars provide high quality postgraduate education which enables professionals to keep abreast of the most recent developments and offer participants the opportunity to discuss clinical problems or scientific issues personally with international experts. This seminar deals with understanding the physiology and pathophysiology of renal function, homeostasis of water and electrolytes and its disorders in our day-to-day clinical practice.

### Lecturers

Guignard, J.-P. University of Lausanne, Lausanne, Switzerland  
Bockenbauer D. Great Ormond St. Hospital for Children NHS Trust, London, UK  
Zietse R. Erasmus Medical Center, Rotterdam, Netherlands  
Hoorn, E. Erasmus Medical Center, Rotterdam, Netherlands  
Sinha Aditi AIMS New Delhi, India  
Ali Uma Mumbai, India

### Workshops

Patnaik SK, New Delhi, India ; Sudha E., Chennai, India; Sonya, New Delhi, India; Sethi Sidharth, New Delhi, India; Afzal Kamran, Aligarh, India; Iyengar Arpana, Bangalore, India; Sahay Manisha, Hyderabad, India; Shah Mehul Hyderabad, India

Limited Number of Participants: 70

Please Note: Only registered participants, NO on site registration!

Please register via Internet: <http://www.ipokrates.info>

Indian delegates can contact the local organizer at the contact detail given below.

**Program Design** Guignard J.-P., Lausanne, Switzerland  
Bockenbauer D., London, UK

**Target Audience** Doctors, nurses and affiliates of university and non-university hospitals in the field of neonatology, neonatal and pediatric intensive care, pediatric nephrology and general pediatricians. The course is also aimed at adult nephrologists and intensivists.

**Major Sponsors** Dräger, Elsevier, Nestlé Nutrition Institute, Pediatric Air Ambulance

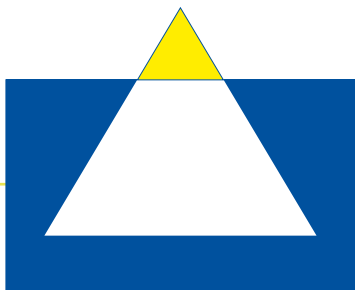
**Local Sponsors** Biocon, Foundation Eagle

**Local Organizer** **Rajiv Sinha, MD, MNAMS, FRCPCH (UK)**  
Institute of Child Health, Kolkata, India  
email: rajivsinha\_in@yahoo.com, mobile: (+91) 93 308 193 80

**Information/Registration** **IPOKRATES Head Office c/o m:con – mannheim:congress GmbH**  
Rosengartenplatz 2, 68161 Mannheim / Germany  
Phone +49 (0)621 4106-134, Fax +49 (0)621 4106-80134  
e-mail: ipokrates@mcon-mannheim.de, internet: <http://www.ipokrates.info>

**Travel** each participant is responsible for his/her VISA, and IPOKRATES assumes NO liability

**Participation Fees** Indian doctor € 35,00  
Doctor from outside India € 200,00



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Saturday, August 26, 2017

08:45-09:00 Welcome & Introduction

## The Smart Kidney

09:00-09:35 Overview of the Nephron  
09:40-10:15 Glomerular function  
10:15-10:50 Tubular function  
10:50-11:00 *Tea Break*

Bockenhauer D.  
Guignard J.-P.  
Zietse R.

## A Salty Affair

11:00-11:30 Sodium handling  
11:30-12:00 Approach to a patient with hypernatremia  
12:00-12:30 Approach to a patient with hyponatremia  
12:30-13:30 WORKSHOP  
Case based discussion in 3 groups

Hoorn E.  
National Faculty  
Bockenhauer D.  
  
Bockenhauer D. & National  
Faculty, Zietse R. & Afzal K.  
Hoorn E. & National Faculty

13:30-14:00 *Lunch*

## Potassium: Good Bad and Ugly

14:00-14:30 Potassium handling  
14:30-15:00 Approach to a patient with hypokalemia  
15:00-15:30 Approach to a patient with hyperkalemia  
15:30-15:40 *Tea Break*  
15:45-16:15 The ideal maintenance fluid  
16:15-17:15 WORKSHOP  
Case based discussion in 3 groups

Hoorn E.  
Shah Mehul  
Guignard J.-P.  
  
Sinha Rajiv  
  
Bockenhauer D. & National  
Faculty, Zietse R. & National  
Faculty, Guignard J.-P. & National Faculty

17:00 *High Tea*

## Block I:

### Work stations

### International faculties

### National faculties

Sodium balance

1a Bockenhauer  
1b Zietse  
1c Hoorn

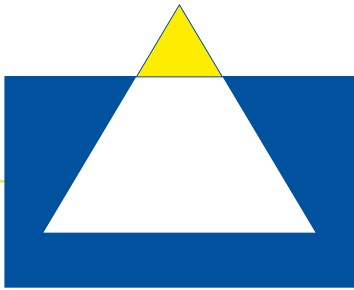
Kamran Afzal  
Sudha  
Aditi Sinha

Potassium balance

2a Bockenhauer  
2b Zietse  
2c Guignard

Arpana Iyengar  
Sidharth Sethi  
SK Patnaik

**Subject to change.**



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Sunday, August 27, 2017

## Acidosis & Alkalosis: The Yin & Yang

09:00-09:40 Acid Base Physiology  
09:40-10:10 Approach to a patient with alkalosis  
10:10-10:40 Approach to a patient with acidosis  
10:40-10:50 *Tea Break*  
10:50-11:50 WORKSHOP  
Case based discussion in 3 groups

Zietse R.  
Bockenhauer D.  
Manisha Sahay

Hoorn E. & National  
Faculty, Zietse R. & National Faculty,  
Guignard J.-P. & National Faculty

## Water: The Essence of Life

12:00-12:30 Water handling  
12:30-13:00 Approach to a patient with polyuria  
13:00-13:30 *Lunch*

Bockenhauer D.  
Uma Ali

## The Divalent Ions

13:30-14:00 The calcium and phosphate homeostasis  
14:00-14:30 Magnesium disorders  
14:30-15:00 Approach to a child with rickets  
15:00-16:00 WORKSHOP  
Case based discussion in 3 groups

Zietse R.  
Hoorn E.  
National Faculty

Hoorn E. & Sethi S.,  
Bockenhauer D. & Afzal K.,  
Guignard J.-P. & National Faculty  
TBA

16:00-16:45 Post Graduate Quiz  
16:45-17:00 Prize distribution & Closing comment

## Block II:

### Work stations

Acid / Base  
3a  
3b  
3c  
Divalent ions  
4a  
4b  
4c

### International faculties

Zietse  
Guignard  
Horn  
Bockenhauer  
Zietse  
Guignard

### National faculties

Aditi Sinha  
Manisha Sahay  
Sidharth Sethi  
Uma Ali  
SK Patnaik  
Sonya Sharma

**Subject to change.**