Dear Colleagues,

It is a pleasure to invite you to the 2017 STEPS (Strategies & Trends in European Pediatric Surgery) Seminar which will be held under the auspices of European Pediatric Surgeons Association (EUPSA) in Madrid, Spain from 1st-2nd September 2017.

The 2017 teaching seminar will be an Experts Forum on “Congenital Diaphragmatic Hernia”. Experts from Europe and Overseas have been invited to deliver State-of-the-Art lectures and compare their experiences in management. The experts forum will include debates with expert opinions and views.

Madrid is the fourth most visited city in Europe and the first of Spain, with almost 7 million tourists annually. It is also the seat of the World Tourism Organization and the International Tourism Fair. Most of the tourist attractions of Madrid are in the old town and the Ensanche, corresponding with the districts of Centro, Salamanca, Chamberí, Retiro and Arganzuela. The nerve center of the city is the Puerta del Sol, starting point for the numbering of all city streets and all the country's highways. Madrid is a city of elegant boulevards and expansive, manicured parks such as the Buen Retiro. It’s renowned for the Prado Museum’s works by Goya, Velázquez and other Spanish masters.

Madrid is home to a large number of public and private universities. Some of them are among the oldest in the world, and many of them are the most prestigious universities in Spain.

Our co-host Prof. Juan De Agustin and the local organizing team members of the Department of Pediatric Surgery, Hospital General Universitario Gregorio Marañón, Madrid and the organizing team of STEPS, welcome your participation in the city of Madrid for STEPS 2017.

Amulya K. Saxena, MD
STEPS Organizer
SEMINAR INFORMATION

Experts Forum Topics

- Etiology and embryology of congenital diaphragmatic hernia (CDH)
- Histological evaluation of the hypoplastic lungs associated with CDH
- Open and Video-Assisted Thoracic Surgery (VATS) options in surgical management
- Management of intraoperative hypercapnia and acidosis during CDH VATS repair
- Surgical biomaterials for CDH repair - Characteristics and Optimal choices
- Challenges in the management of neonates with CDH on the Intensive Care Unit
- Gastroesophageal reflux and small bowel obstruction in patients with CDH
- Extracorporeal membrane oxygenation - Pre- and post surgical interventions
- Fetal interventions - Timing, indications, techniques and risks in CDH
- Experimental models for pulmonary hypoplasia, tracheal plug and patch repair
- Chest wall deformities in CDH patients - approach to management and options
- Outcomes of neonates and long-term follow-up based on severity of CDH

Scientific Faculty

Amulya Saxena, MD  
Carlos Gine, MD  
Craig Lillehei, MD  
Henar Souto Romero, MD  
Indalecio Cano Novillo, MD  
Jorge Correa-Pinto, MD  
J Duncan Phillips, MD  
Juan De Agustin, MD  
Juan Tovar, MD  
Jose Luis Peiró, MD  
Lourence Sbragia, MD  
Manuel Sánchez Luna, MD  
Mark Davenport, MD  
Prem Puri, MD  
Sundee Keswani, MD  
Tadaharu Okazaki, MD  
Timothy Lee, MD  
Yasen Al-Alayet, MD

London, United Kingdom  
Barcelona, Spain  
Boston, United States  
Madrid, Spain  
Madrid, Spain  
Braga, Portugal  
Raleigh, United States  
Madrid, Spain  
Madrid, Spain  
Cincinnati, United States  
Sao Paolo, Brazil  
Madrid, Spain  
London, United Kingdom  
Dublin, Ireland  
Houston, United States  
Tokyo, Japan  
Houston, United States  
Riyadh, Saudi Arabia
ABSTRACTS /REGISTRATION/ VENUE

Registration Fee*                    Before 15th Jul  From 16th Jul
EUPSA member                        190 €         220 €
Regular participant                 220 €         250 €
Accompanying person                 50 €          50 €

Email registration on STEPS website: steps.seminars@gmail.com

Seminar Venue
Salón de actos, Hospital Materno-Infantil
Hospital General Universitario Gregorio Marañón
Entrence: Calle O’, Donnell, 46, 28009 Madrid

STEPS Organizing Committee
Amulya Saxena, MD
Volker Müller, MD
Cornelia van Tuil, MD
Yasen Al-Alayet, MD

Local Organizing Committee
Juan De Agustín, MD (Chairman)
David Peláez, MD; Julio Cerdá, MD
Agustín del Cañizo, MD; Marian
García-Casillas, MD; Laura Perez
Egido, MD; Beatriz Fernández, MD
Manuel de la Torre, MD

Venue map

Information/Registration website: http://www.steps-seminars.eu
08:00-08:30  Participant Registration
08:25-08:30  Welcome address: Amulya Saxena and Juan De Agustin

SESSION- I  Moderator: Amulya Saxena, MD
08:30-09:00  Experimental models of congenital diaphragmatic hernia
Prem Puri, *Dublin, Ireland*
09:00-09:30  Mechanisms of malformations associated with congenital
diaphragmatic hernia
Juan Tovar, *Madrid, Spain*
09:30-10:00  Mechanisms for fetal lung catch-up growth
Jorge Correia-Pinto, *Braga, Portugal*

10:00-10:15  Coffee break

SESSION-II  Moderator: Juan Tovar, MD
10:15-10:45  Prenatal imaging and correlation with postnatal outcomes
Timothy Lee, *Houston, United States*
10:45-11:15  Thoracoscopic repair of congenital diaphragmatic hernia
Tadaharu Okazaki, *Tokyo, Japan*
11:15-11:45  Re-operative surgery in congenital diaphragmatic hernia
Juan De Agustin, *Madrid, Spain*

11:45-12:00  Coffee break
### SESSION- III

**Moderator: Mark Davenport, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>12:00-12:30</td>
<td>Abdominal muscle flap versus Patch for large congenital diaphragmatic hernia repairs</td>
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<td>Jose Luis Peiró, <em>Cincinnati, United States</em></td>
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<tr>
<td>12:30-13:00</td>
<td>Understanding patch repairs in congenital diaphragmatic hernia</td>
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<td>Amulya Saxena, <em>London, United Kingdom</em></td>
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<td>13:00-13:30</td>
<td>Evaluation of myocardial function in congenital diaphragmatic hernia rabbit model</td>
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<td>Lourenço Sbragia, <em>São Paulo, Brazil</em></td>
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**13:30-14:15** Lunch break

### SESSION- IV

**Moderator: J Duncan Phillips, MD**

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenters</th>
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<tr>
<td>14:25-14:35</td>
<td>Congenital diaphragmatic hernia: Single center experience</td>
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<td>Araceli Garcia Vazquez, Belen Aneiros Castro, Indalecio Cano Novillo, Maria Lopez Diaz, <em>Madrid, Spain</em></td>
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<td>14:25-14:35</td>
<td>Abdomen compartment after congenital diaphragmatic hernia repair: Systemmatic review</td>
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<td>Simona Rusu and Amulya Saxena, <em>London, United Kingdom</em></td>
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<td>14:35-14:45</td>
<td>Acute abdomen secondary to congenital diaphragmatic hernia</td>
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<td>Marcela Santos Marín, Maricarmen Olivos Pérez and Sebastian Villegas Galilea, <em>Santiago, Chile</em></td>
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<td>14:45-14:55</td>
<td>Congenital diaphragmatic hernia and association with gastrointestinal volvulus</td>
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<td>Ancuta Muntean and Amulya Saxena, <em>London, United Kingdom</em></td>
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14:55-15:05  Improved survival in congenital diaphragmatic hernia patients: influence of the team
Marija Lukac, Sanja Sindjic, Dragana Vujovic, Snezana Rsovac, Maja Raicevic and Tamara Bilic, Belgrade/Nis, Serbia

15:05-15:15  The experiences of xenopericardium (Biocard) application for congenital diaphragmatic hernia repair in children
Aliaksandr Svirsky, Aliaksandr Machlin, Yuri Chesnov, Igor Sevkovskij and Yauheni Zhuk, Minsk, Belarus

15:15-15:25  Usefulness and practicality of Youtube™ videos for general and specific information on congenital diaphragmatic hernia
Emma-Sophia Hartmann and Amulya Saxena, London, United Kingdom

15:25-15:35  Feasibility and safety of intact cord resuscitation in newborn infants with congenital diaphragmatic hernia
Caroline Lefèbvre, Dyuti Sharma, Thameur Raksza, Damien Olivier, Nathalie Westlinck, Véronique Houfflin-Debage, Sébastien Mur and Laurent Strome (on behalf of the French CDH Study Group) Lille, France and Liège, Belgium

15:35-15:45  Congenital diaphragmatic hernia in rat model: Is there a honeymoon period?
Rebeca Lopes Figueira, Karina Miura da Costa, Anderson Rosário Prado, Alexandre Todorovic Fabro and Lourenço Sbragia, São Paulo, Brazil

15:45-15:55  Fetal cardiac adaptation in congenital diaphragmatic hernia
Gloria Pelizzo, Giovanni Battista Mura, Catalano Pieralba, Caruso Anna Maria, Salvatore Amoroso, Valeria Calcaterra, Palermo/Pavia, Italy

15:55-16:10  Coffee break
SESSIOON- V  Moderator: Sundeep Keswani, MD

16:10-16:30  Hepato-pulmonary fusion, an extremely rare case association of congenital diaphragmatic hernia
Yasen Al-Alayet, Riyadh, Saudi Arabia

16:30-17:00  Intraoperative hypercapnia and acidosis during thoracoscopic repair of congenital diaphragmatic hernia. How to manage?
Tadaharu Okazaki, Tokyo, Japan

17:00-17:30  Management of pulmonary hypertension associated with congenital diaphragmatic hernia
Craig Lillehei, Boston, United States

17:30  End of sessions

19:00  STEPS Official Dinner

STEPS 2018

PEDIATRIC ONCOLOGY SURGERY
“EXPERTS FORUM”

PADUA, ITALY

7-8 SEPTEMBER, 2018
SESSION- VI
Moderator: José Luis Peiró, MD

08:30-09:00 Structural and molecular basis of pulmonary hypertension in congenital diaphragmatic hernia. Prem Puri, Dublin, Ireland

09:00-09:30 Hormonal fetal therapy for lung hypoplasia Jorge Correia-Pinto, Braga, Portugal

09:30-10:00 New pharmacologic strategies to improve pulmonary hypertension in congenital diaphragmatic hernia Sundeep Keswani, Houston, United States

10:00-10:15 Coffee break

SESSION-VII
Moderator: Prem Puri, MD

10:15-10:45 Protection of the lung from delivery in neonates with congenital diaphragmatic hernia Manuel Sánchez Luna, Madrid, Spain

10:45-11:15 Considerations for congenital diaphragmatic hernia repair on extracorporeal membrane oxygenation (ECMO) Craig Lillehei, Boston, United States

11:15-11:45 Portable extracorporeal membrane oxygenation (ECMO) for congenital diaphragmatic hernia neonates Duncan Phillips, Raleigh, United States

11:15-11:30 Coffee break
SESSION- VIII  Moderator: Jorge Correia-Pinto, MD

12:00-12:30  Experimental early tracheal occlusion in sheep model
Carlos Giné, Barcelona, Spain

12:30-13:00  Fetoscopic endoluminal tracheal occlusion (FETO) and congenital diaphragmatic hernia
José Luis Peiró, Cincinnati, United States

13:00-13:30  Fetoscopic endoluminal tracheal occlusion (FETO)— the surgeon’s perspective
Mark Davenport, London, United Kingdom

13:30-14:15  Lunch break

SESSION- IX  Moderator: Juan De Agustin, MD

14:15-14:45  Long-term pulmonary morbidity and quality of life in congenital diaphragmatic hernia
Timothy Lee, Houston, United States

14:45-15:15  Aspects in delayed presentation of congenital diaphragmatic hernia
Henar Souto Romero, Madrid, Spain

15:15-15:45  Vertical integration of congenital diaphragmatic hernia (CDH) care- components of a comprehensive CDH team
Sundeep Keswani, Houston, United States

15:45-16:00  Coffee break
SESSION- X  Moderator: Craig Lillehei, MD

16:00-16:30  Gastroesophageal reflux association with congenital diaphragmatic hernia
Juan Tovar, Madrid, Spain

16:30-17:00  Congenital diaphragmatic hernia association with chest wall deformities
Duncan Phillips, Raleigh, United States

17:00-17:30  Congenital diaphragmatic hernia- Predicting the future
Mark Davenport, London, United Kingdom

17:30  Closing remarks
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