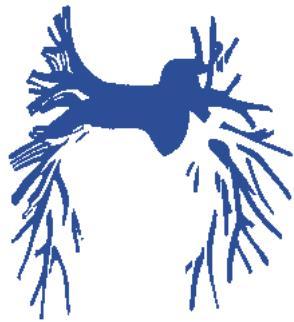


TH



WORLD SYMPOSIUM ON PULMONARY HYPERTENSION



Nice

February 27-28 / March 1, 2013



Cover:

LA DANSE

Henri Matisse, 1909

Museum of Modern Art, New York City

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Introduction

Traditionally the PH World Symposia, started in Geneva in 1973 and held every 5 years after the Evian edition in 1998 (Venice 2003, Dana Point 2008), have marked the progresses in pulmonary hypertension science and have paved the way for further advancements. The symposia proceedings constitute relevant publications which are among the more cited in this scientific area.

Each new edition of the WSPH has been bigger than the previous one testifying the growing interest of the stakeholders on this medical condition.

The structure of the 5th WSPH consists in 12 sessions where world specialists in the field, divided in 12 Task Forces, present the results of their studies of the last two years regarding some topic items concerning 12 different fields:

- 1. Pathology & Pathobiology**
- 2. Genetics & Genomic**
- 3. Definitions & Classifications (and particularities of different PAH subgroups)**
- 4. Pathophysiology (focusing on exercise and RV)**
- 5. Epidemiology & Registries**
- 6. Diagnosis & Prognosis**
- 7. Therapy - Standard of Care**
- 8. Therapy - Goals**
- 9. New Trials Design & New Therapies**
- 10. CTEPH**
- 11. PH due to Left Heart Diseases and Chronic Lung Diseases**
- 12. Pediatric PH**

The objectives of the Symposium are:

- Review of the major advances in pulmonary vascular science in the past 5 years
- Elaboration of the available evidence in different basic and clinical areas by experts of the Task Forces
- Identification of relevant basic and clinical questions to be answered by the Task Forces
- Evaluation of the gaps of evidence in different areas and proposals for future collaborative research programs
- Elaboration of documents by the Task Forces, summarizing the results of pre-symposium meetings (previous 18-24 months)
- Discussion of the Task Forces documents at the symposium sessions with worldwide experts and with other stakeholders
- Final drafting of peer reviewed papers to be included in a medical journal supplement to facilitate the implementation of the 5th WSPH conclusions

Our aim is that this symposium will foster constructive scientific interactions and collaborations in the very unique scenario of the bay of Nice!

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Patronages

Pulmonary Circulation
and Right Ventricular
Function
ESC Working Group



ASSOCIATION FOR EUROPEAN PAEDIATRIC
AND CONGENITAL CARDIOLOGY



5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

The Symposium Steering Committee

Robyn J. Barst, MD
New York, NY, USA

Nazzareno Galiè, MD
Bologna, Italy

Ardeschir H. Ghofrani, MD
Giessen, Germany

Marc Humbert, MD
Paris, France

Michael D. McGoon, MD
Rochester, MN, USA

Vallerie V. McLaughlin, MD
Ann Arbor, MI, USA

John Newman, MD
Nashville, TN, USA

Lewis J. Rubin, MD
San Diego, CA, USA

Werner Seeger, MD
Giessen, Germany

Gérald Simonneau, MD
Paris, France

The Symposium Secretariat



I&C s.r.l.
Via Andrea Costa, 202/6
40134 Bologna (IT)
Ph: +39 - (0)51.614.4004
Fax: +39 - (0)51.614.2772
@: info@wsph2013.com



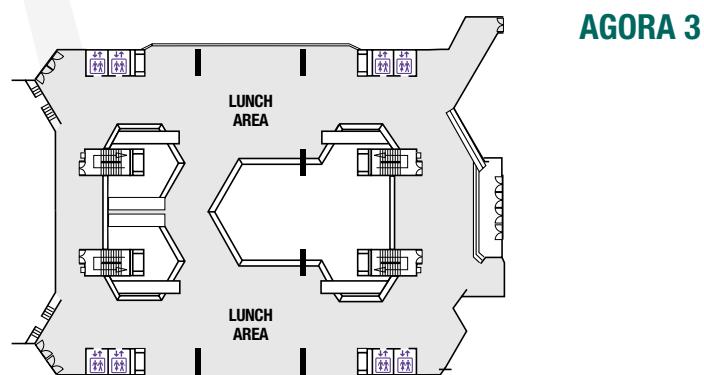
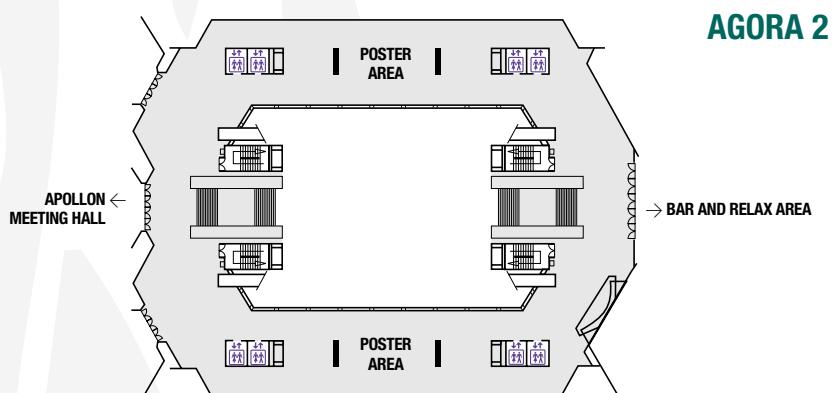
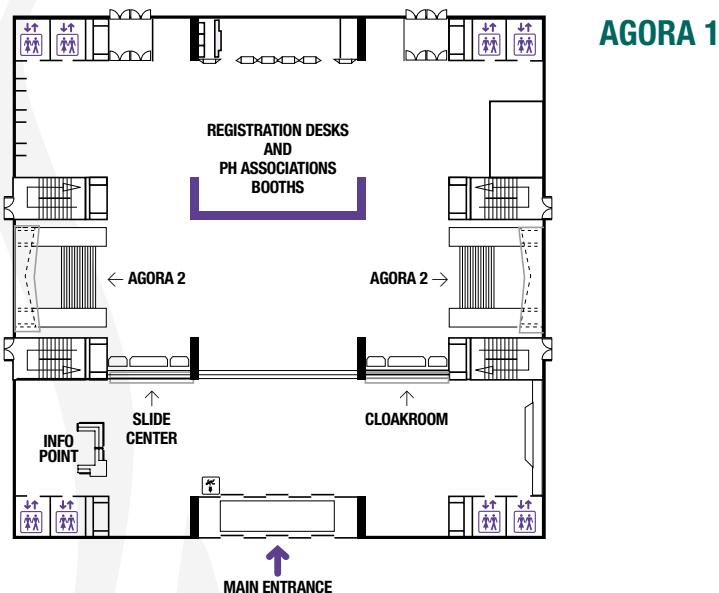
5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Index

• MAP OF THE CONGRESS CENTER	pag.	8
• SYMPOSIUM TIMETABLE	pag.	9
• SCIENTIFIC PROGRAM		
WEDNESDAY, FEBRUARY 27		
• TASK FORCE 1 – PATHOLOGY AND PATHOBIOLOGY	pag.	13
• TASK FORCE 2 – GENETICS AND GENOMIC	pag.	14
• TASK FORCE 3 – DEFINITIONS AND CLASSIFICATIONS AND PARTICULARITIES OF DIFFERENT PAH SUBGROUPS	pag.	15
• TASK FORCE 4 – PATHOPHYSIOLOGY	pag.	16
THURSDAY, FEBRUARY 28		
• TASK FORCE 5 – EPIDEMIOLOGY AND REGISTRIES	pag.	17
• TASK FORCE 6 – DIAGNOSIS AND PROGNOSIS	pag.	18
• TASK FORCE 7 – THERAPY - STANDARD OF CARE	pag.	19
• TASK FORCE 8 – THERAPY - GOALS	pag.	20
FRIDAY, MARCH 1		
• TASK FORCE 9 – NEW TRIALS DESIGN AND NEW THERAPIES	pag.	21
• TASK FORCE 10 – CTEPH	pag.	22
• TASK FORCE 11 – PH DUE TO LEFT HEART DISEASES AND CHRONIC LUNG DISEASES	pag.	23
• TASK FORCE 12 – PEDIATRIC PH	pag.	24
• POSTER SESSIONS		
• YOUNG INVESTIGATOR AWARDS	pag.	27
• POSTERS EXPOSED ON WEDNESDAY, FEBRUARY 27	pag.	30
• POSTERS EXPOSED ON THURSDAY, FEBRUARY 28	pag.	40
• POSTERS EXPOSED ON FRIDAY, MARCH 1	pag.	54
• GENERAL INFORMATION	pag.	65
• INDEX OF ABSTRACTS AUTHORS AND TASK FORCES MEMBERS	pag.	68
• SPONSORS	pag.	83

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Map of the Acropolis CONGRESS CENTER



5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Symposium timetable

time	Wednesday, February 27	Thursday, February 28	Friday, March 1
08.45-09.00 Apollon Hall	Introduction <i>G. Simonneau</i>		
09.00-10.30 Apollon Hall	TF 1. Pathology and Pathobiology	TF 5. Epidemiology and Registries	TF 9. New Trials Design and New Therapies
10.30-11.00 Agora 2	coffee break	coffee break	coffee break
11.00-12.30 Apollon Hall	TF 2. Genetics and Genomic	TF 6. Diagnosis and Prognosis	TF 10. CTEPH
12.30-14.00 Agora 2 and 3	<i>Lunch and posters</i>	<i>Lunch and posters</i>	<i>Lunch and posters</i>
14.00-15.30 Apollon Hall	TF 3. Definitions and Classifications and Particularities of Different PAH Subgroups	TF 7. Therapy - Standard of Care	TF 11. PH due to Left Heart Diseases and Chronic Lung Diseases
15.30-16.00 Agora 2	coffee break	coffee break	coffee break
16.00-17.30 Apollon Hall	TF 4. Pathophysiology (focusing on exercise and RV)	TF 8. Therapy - Goals	TF 12. Pediatric PH
17.30-18.00 Apollon Hall	Young Investigator Awards		Final remarks and next steps <i>N. Galiè</i>
18.00-18.30 Agora 2	Welcome Cocktail		

TF = Task Force

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

SCIENTIFIC PROGRAM



5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Scientific Program

APOLLON HALL

08.45-09.00

Introduction

Gérald Simonneau *Paris FRANCE*

09.00-10.30

Task Force 1. Pathology & Pathobiology

Chairman: Rubin M. Tuder *Denver CO USA*

Co-Chairman: Nicholas Morrell *Cambridge UK*

Stephen L. Archer *Chicago IL USA*

Peter Dorfmüller *Paris FRANCE*

Serpil C. Erzurum *Cleveland OH USA*

Christophe Guignabert *Paris FRANCE*

Evangelos Michelakis *Edmonton CANADA*

Marlene Rabinovitch *Stanford CA USA*

Ralph T. Schermuly *Giessen GERMANY*

Kurt R. Stenmark *Denver CO USA*

- A. Does the pulmonary venous system play an important role in PAH and to what extent are PAH and PVOD part of the same spectrum of disease?
- B. Are there distinct pathways in vascular cells in mild vs. severe pulmonary hypertension?
- C. Cell proliferative changes in PAH distal pulmonary arteries: differences and similarities with traditional neoplastic disease
- D. The role of inflammation in the initiation and progression of different PAH types

AGORA 2

10.30-11.00

coffee break

Wednesday February 27

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Wednesday February 27

Scientific Program

APOLLON HALL

11.00-12.30

Task Force 2. **Genetics and Genomic**

Chairman: John Newman *Nashville TN USA*

Co-Chairman: Richard C. Trembath *London UK*

Micheala Aldred *Cleveland OH USA*

Wendy K. Chung *New York NY USA*

C. Gregory Elliott *Murray UT USA*

Marc W. Geraci *Denver CO USA*

Ekkehard Grünig *Heidelberg GERMANY*

Marc Humbert *Paris FRANCE*

James E. Loyd *Nashville TN USA*

Rajiv D. Machado *London UK*

Florent Soubrier *Paris FRANCE*

- A. What are the ethical issues that need discussion and implementation in PH?
- B. What are the signaling consequences of impaired BMPR2 gene function?
- C. What application of genetic advances, such as miRNA, epigenetics for treatment and prevention of heritable PAH?
- D. What are the co-factors that cause expression of disease in heritable PH, and what other genes may cause heritable PH?

AGORA 2 AND AGORA 3

12.30-14.00

Lunch and posters

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Scientific Program

APOLLON HALL

14.00-15.30

Task Force 3. Definitions and Classifications and Particularities of Different PAH Subgroups

Chairman: Gérald Simonneau *Paris FRANCE*
Co-Chairman: Rogerio Souza *Sao Paulo BRAZIL*

Ian T.K. Adatia *Edmonton CANADA*
David S. Celermajer *Sydney AUSTRALIA*
Christopher P. Denton *London UK*
Michael A. Gatzoulis *London UK*
Ardeschir H. Ghofrani *Giessen GERMANY*
Miguel Angel Gómez Sánchez *Madrid SPAIN*
Raman Krishna Kumar *Cochin Kerala INDIA*
Michael Landzberg *Boston MA USA*
Roberto Machado *Chicago IL USA*
Horst Olschewski *Graz AUSTRIA*
Ivan Robbins *Nashville TN USA*

- A. Should we include rest PVR in the definition of PH and how do we define and handle “borderline” PH? Should PVR and/or PAP on exercise be reintroduced in the definition?
- B. PAH associated with CHD in adults
- C. Are there novel drugs and toxins inducing PAH?
- D. Which changes in group 5? New subgroups identified or previous one to shift to another PH group. Should we maintain sickle cell disease-associated PH in group 1?

AGORA 2

15.30-16.00

coffee break

Wednesday February 27

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Wednesday February 27

Scientific Program

APOLLON HALL

16.00-17.30

Task Force 4. **Pathophysiology (focusing on exercise and RV)**

Chairman: Anton Vonk Noordegraaf *Amsterdam THE NETHERLANDS*

Co-Chairman: Paul M. Hassoun *Baltimore MD USA*

Kelly M. Chin *Dallas TX USA*

Paul R. Forfia *Philadelphia PA USA*

François Haddad *Stanford CA USA*

Steven M. Kawut *Philadelphia PA USA*

Joost Lumens *Maastricht THE NETHERLANDS*

Robert Naeije *Brussels BELGIUM*

John Newman *Nashville TN USA*

Ronald J. Oudiz *Los Angeles CA USA*

Steeve Provencher *Chemin Sainte-Foy CANADA*

Adam Torbicki *Otwock POLAND*

Norbert Voelkel *Richmond VA USA*

A. How to best assess RV contractility and function?

B. What are the underlying molecular mechanisms and metabolic characteristics of the failing RV in PAH?

C. What is the definition and relevance of exercise-induced PH?

D. What are the most relevant surrogate biomarkers of RV-PA function and their role in diagnosis and prognosis of PH?

17.30-18.00

Young Investigator Awards

AGORA 2

18.00-18.30

welcome cocktail

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Scientific Program

APOLLON HALL

09.00-10.30

Task Force 5. Epidemiology and Registries

Chairman: Marc Humbert *Paris FRANCE*

Co-Chairman: Michael D. McGoon *Rochester MN USA*

Raymond L. Benza *Pittsburgh PA USA*

Maria del Pilar Escribano Subias *Madrid SPAIN*

Xin Jiang *Shanghai CHINA*

David P. Miller *San Francisco CA USA*

Andrew Peacock *Glasgow UK*

Joanna Pepke-Zaba *Cambridge UK*

Tomas Pulido *Mexico City MEXICO*

Stuart Rich *Chicago IL USA*

Stephan H. Rosenkranz *Cologne GERMANY*

Samy Suissa *Montreal CANADA*

- A. Are PAH phenotypes changing in the modern management era?
- B. Biases on survival analysis from registries
- C. Is PAH survival improving in the modern management era?
- D. Guidelines for registries implementation

AGORA 2

10.30-11.00

coffee break

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Thursday February 28

Scientific Program

APOLLON HALL

11.00-12.30

Task Force 6. Diagnosis and Prognosis

Chairman: David B. Badesch *Denver CO USA*

Co-Chairman: Marius Hoeper *Hannover GERMANY*

Herman Jan Bogaard *Amsterdam THE NETHERLANDS*

Robin A. Condliffe *Sheffield UK*

Robert P. Frantz *Rochester MN USA*

Dinesh Khanna *Ann Arbor MI USA*

Marcin Kurzyna *Otwock POLAND*

David Langleben *Montreal CANADA*

Alessandra Manes *Bologna ITALY*

Toru Satoh *Tokyo JAPAN*

Fernando Torres *Dallas TX USA*

Martin R. Wilkins *London UK*

- A. Should we include rest PVR in the definition of PH and how do we define and handle "borderline" PH?
- B. What should be the upper limit of the PCWP, and what are the roles of fluid challenge and exercise hemodynamics in the identification of HFpEF patients?
- C. How do we diagnose PAH in its early stages (including screening programs for high-risk populations)?
- D. Which are most useful clinically - prognostic factors measured at baseline or prognostic factors that change with therapy?

AGORA 2 AND AGORA 3

12.30-14.00

Lunch and posters

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Scientific Program

APOLLON HALL

14.00-15.30

Task Force 7. Therapy - Standard of Care

Chairman: Nazzareno Galiè *Bologna ITALY*

Co-Chairman: Anne M. Keogh *Sydney AUSTRALIA*

Paul A. Corris *Newcastle Upon Tyne UK*

Adaani Frost *Houston TX USA*

Reda E. Girgis *Grand Rapids MD USA*

John Granton *Toronto CANADA*

Zhi Cheng Jing *Shanghai CHINA*

Walter Klepetko *Vienna AUSTRIA*

Michael D. McGoon *Rochester MN USA*

Vallerie V. McLaughlin *Ann Arbor MI USA*

Ioana R. Preston *Boston MA USA*

Lewis J. Rubin *San Diego La Jolla CA USA*

Julio Sandoval *Mexico City MEXICO*

Werner Seeger *Giessen GERMANY*

- A. Do we have additional information on the role of rehabilitation in PAH patients?
- B. Should first-line combination therapy be the gold standard of severe WHO FC IV PAH (and what about other FC)?
- C. How can we modify the current treatment algorithm including the new approved drugs?
- D. Should we adapt the treatment algorithm to the different PAH types and to different countries (country organization)?

AGORA 2

15.30-16.00

coffee break

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Thursday February 28

Scientific Program

APOLLON HALL

16.00-17.30

Task Force 8. **Therapy – Goals**

Chairman: Vallerie V. McLaughlin *Ann Arbor MI USA*

Co-Chairman: Olivier Sitbon *Paris FRANCE*

Sean Patrick Gaine *Dublin IRELAND*

Luke S. Howard *London UK*

Hanno H. Leuchte *Munich GERMANY*

Michael A. Mathier *Pittsburg PA USA*

Sanjay Mehta *London Ontario CANADA*

Massimiliano Palazzini *Bologna ITALY*

Myung H. Park *Baltimore MD USA*

Victor F. Tapson *Durham NC USA*

- A. Are baseline and/or follow up prognostic predictors appropriate as treatment goals?
- B. Is WHO FC III an unacceptable status in treated PAH patients?
- C. Are treatment goals different in different PAH subgroups?
- D. Any novel treatment goal from new technologies (CMR, biochemical markers, etc)?

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Scientific Program

APOLLON HALL

09.00-10.30

Task Force 9. New Trials Design and New Therapies

Chairman: Ardeschir H. Ghofrani *Giessen GERMANY*

Co-Chairman: Lewis J. Rubin *San Diego La Jolla CA USA*

Robyn J. Barst *New York NY USA*

Todd M. Bull *Denver CO USA*

Amany N. El-Gazayerly *The Hague THE NETHERLANDS*

Tom Fleming *Seattle WA USA*

Mardi I. Gomberg-Maitland *Chicago IL USA*

Friedrich Grimminger *Giessen GERMANY*

Maurizio Rainisio *Sanremo ITALY*

Rajeev Saggar *Los Angeles CA USA*

Duncan J. Stewart *Ottawa CANADA*

Norman Stockbridge *Silver Spring MD USA*

Carlo Ventura *Bologna ITALY*

- A. Any residual role of short-term trials using 6MWT as primary end-point for the approval of new PAH medications? Are there alternatives to traditional clinical worsening end-points in case current trials demonstrate feasibility issues?**
- B. Which is the best approach to compare sequential combination therapy with upfront combination therapy in PAH patients?**
- C. In which type of PAH patients is the benefit/risk ratio of tyrosine kinase inhibitors acceptable in PAH? What about additional new compounds?**
- D. Which are the new promising targets for PAH treatment (including genes and regenerative approaches)?**

AGORA 2

10.30-11.00

coffee break

Friday March 1

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Friday March]

Scientific Program

APOLLON HALL

11.00-12.30

Task Force 10. **CTEPH**

Chairman: Nick H. Kim *San Diego La Jolla CA USA*

Co-Chairman: Eckhard Mayer *Bad Nauheim GERMANY*

Richard Channick *Boston MA USA*

Philippe Darteville *Paris FRANCE*

Marion Delcroix *Leuven BELGIUM*

Pavel Jansa *Prague CZECH REPUBLIC*

David P. Jenkins *Cambridge UK*

Irene Lang *Vienna AUSTRIA*

Michael M. Madani *San Diego La Jolla CA USA*

Hitoshi Ogino *Tokyo JAPAN*

Vittorio Pengo *Padua ITALY*

- A. Is pulmonary angiography still the gold standard for evaluating operability? What is the role of lung perfusion scan?
- B. What advancements or changes have been made in the surgical treatment of CTEPH? Is there a role for pulmonary angioplasty?
- C. What are the biological/pathological rationale and clinical evidence for medical treatment of CTEPH? Should approach to treatment factor in whether the patient is operable, deemed inoperable, or has persistent PH following endarterectomy?
- D. How do we define successful treatment outcome in CTEPH?

AGORA 2 AND AGORA 3

12.30-14.00

Lunch and posters

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Scientific Program

APOLLON HALL

14.00-15.30

Task Force 11. PH due to Left Heart Diseases and Chronic Lung Diseases

Chairman: Werner Seeger *Gießen GERMANY*

Co-Chairman: Jean-Luc Vachiéry *Brussels BELGIUM*

Yochai Adir *Haifa ISRAEL*

Joan Albert Barberà *Barcelona SPAIN*

Hunter Champion *Pittsburgh PA USA*

John Gerard Coghlan *London UK*

Vincent Cottin *Lyon FRANCE*

Teresa De Marco *San Francisco CA USA*

Nazzareno Galiè *Bologna ITALY*

Stefano Ghio *Pavia ITALY*

Simon Gibbs *London UK*

Fernando J. Martinez *Ann Arbor MI USA*

Marc J. Semigran *Boston MA USA*

Gérald Simonneau *Paris FRANCE*

Athol U. Wells *London UK*

- A. How to define out of proportion PH in left heart disease (TPG vs diastolic gradient; resting and exercise conditions)?**
- B. How to define out of proportion PH in COPD and ILD patients (including PFT and HRCT scan; resting and exercise conditions)?**
- C. Evidence for appropriate benefit to risk ratio of PAH approved drugs in patients with PH due to left heart or chronic lung disease?**
- D. Any specific targets for PH therapy in left heart or chronic lung diseases?**

AGORA 2

15.30-16.00

coffee break

Friday March 1

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Friday March]

Scientific Program

APOLLON HALL

16.00-17.30

Task Force 12. **Pediatric PH**

Chairman: Dunbar D. Ivy *Denver CO USA*

Co-Chairman: Maurice Beghetti *Geneva SWITZERLAND*

Steven Abman *Denver CO USA*

Robyn J. Barst *New York NY USA*

Rolf M.F. Berger *Groningen THE NETHERLANDS*

Damien Bonnet *Paris FRANCE*

Tom Fleming *Seattle WA USA*

Sheila Glennis Haworth Busk *London UK*

Usha Raj *Chicago IL USA*

Erika Rosenzweig *New York NY USA*

Ingram Schulze-Neick *London UK*

Robin H. Steinhorn *Chicago IL USA*

- A. **Do we need specific definitions for PH, its classification and what is an acute response with acute vasodilator testing with pediatric patients, and is this the same regardless of the age of the child?**
- B. **Are the prognostic parameters developed for adults valid also in pediatric patients?**
- C. **Are treatment goals and end-points for clinical trials similar in adults and pediatric patients?**
- D. **Are specific diagnostic and treatment algorithms required in pediatric patients?**

17.30-18.00

Final remarks and next steps

Nazzareno Galiè *Bologna ITALY*

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

ABSTRACTS PRESENTATION



5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

YOUNG INVESTIGATOR AWARDS

**These posters will be exposed for the whole duration of the Symposium:
February 27, 28 and March 1**

BASIC SCIENCE

REGRESSION OF PULMONARY VASCULOPATHY AFTER SURGICAL TREATMENT FOR CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION IN PIGLETS

Boulate David^[1], Guihaire Julien^[1], Mercier Olaf^[2], Dorfmüller Peter^[3], Decante Benoit^[1], Eddahibi Saadia^[1], Darteville Philippe^[4], Fadel Elie^[2]

^[1]Laboratoire de recherche chirurgicale, INSERM U999 ~ Centre Chirurgical Marie Lannelongue ~ France, ^[2]Laboratoire de recherche chirurgicale, INSERM U999, service de chirurgie thoracique, vasculaire et de transplantation pulmonaire et cardio-pulmonaire ~ Centre Chirurgical Marie Lannelongue ~ France, ^[3]Service d'anatomopathologie, INSERM U999 ~ Centre Chirurgical Marie Lannelongue ~ France, ^[4]Service de chirurgie thoracique, vasculaire et de transplantation pulmonaire et cardio-pulmonaire ~ Le Plessis-Robinson ~ France

CHARACTERIZATION OF HISTONE DEACETYLASES IN PULMONARY ARTERIAL HYPERTENSION

Chelladurai Prakash^[1], Basineni Sobha^[1], Schmoranzer Mario^[1], Dabral Swati^[1], Bauer Uta-Maria^[3], Seeger Werner^[2], Pullamsetti Soni Savai^[1]

^[1]Max-Planck-Institute for Heart and Lung Research ~ Bad Nauheim ~ Germany, ^[2]University of Giessen and Marburg Lung Center ~ Giessen ~ Germany, ^[3]Institute of Molecular Biology and Tumor Research ~ Marburg ~ Germany

PULMONARY LYMPHOID NEOGENESIS, A NEW FEATURE OF IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION?

Perros Frédéric^[1], Dorfmüller Peter^[1], Montani David^[1], Girerd Barbara^[1], Mercier Olaf^[1], Mussot Sacha^[1], Humbert Marc^[1], Cohen-Kaminsky Sylvia^[1]

^[1]Université Paris-Sud; Labex LERMIT; AP-HP; DHU TORINO; Hôpital Bicêtre; INSERM U999; Centre Chirurgical Marie Lannelongue ~ Le Plessis-Robinson ~ France

ROLE OF MICRORNA 17/92 CLUSTER AND MICRORNA 21 IN THE PATHOGENESIS OF PULMONARY HYPERTENSION – NOVEL THERAPEUTIC TARGETS

Pullamsetti Soni Savai^[1], Döbele Carmen^[2], Fischer Ariane^[2], Savai Rajkumar^[1], Kojonazarov Bakytbek^[3], Dahal Bhola Kumar^[3], Ghofrani Hossein Ardeschir^[3], Weissmann Norbert^[3], Grimminger Friedrich^[3], Bonauer Angelika^[2], Seeger Werner^[3], Zeiher Andreas M.^[2], Dimmeler Stefanie^[2], Schermuly Ralph Theo^[3]

^[1]Max-Planck-Institute for Heart and Lung Research ~ Bad Nauheim ~ Germany, ^[2]Department of Medicine III, Division of Cardiology, Goethe University ~ Frankfurt ~ Germany, ^[3]University of Giessen and Marburg Lung Center ~ Giessen ~ Germany

CD74-DEPENDENT INTERLEUKIN-6 AND MONOCYTE CHEMOATTRACTANT PROTEIN-1 SECRETION BY PULMONARY ENDOTHELIAL CELLS IN IDIOPATHIC PULMONARY HYPERTENSION

Tu Ly^[1], Huertas Alice^[1], Ricard Nicolas^[1], Phan Carole^[1], Seferian Andrei^[2], Le Hiress Morane^[1], Fadel Elie^[1], Girerd Barbara^[1], Montani David^[2], Darteville Philippe^[1], Simonneau Gérald^[2], Humbert Marc^[2], Guignabert Christophe^[1]

^[1]INSERM U999, LabEx LERMIT, DHU TORINO, Centre Chirurgical Marie Lannelongue, Université Paris-Sud ~ Paris ~ France, ^[2]CHU Bicêtre Service de Pneumologie et Réanimation Respiratoire, Inserm U999, DHU TORINO, Centre Chirurgical Marie Lannelongue, Université Paris-Sud ~ Paris ~ France

Young Investigator Awards

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Young Investigator Awards

Poster Sessions CLINICAL SCIENCE

GENETIC COUNSELING IN PULMONARY ARTERIAL HYPERTENSION: 10 YEARS OF EXPERIENCE FROM THE FRENCH REFERRAL CENTRE

Girerd Barbara^[2], Montani David^[2], Eyries Mélanie^[1], Yaici Azzedine^[2], Coulet Florence^[1], Jaïs Xavier^[2], Savale Laurent^[2], Sitbon Olivier^[2], Soubrier Florent^[1], Simonneau Gérald^[2], Humbert Marc^[2]

^[1]Univ Pierre et Marie Curie-Paris 6, Laboratoire d'Oncogénétique et Angiogénétique Moléculaire, UMRS 956 INSERM, Groupe Hospitalier Pitié-Salpêtrière. ~ Paris ~ France, ^[2]Univ paris Sud, Centre National de Référence de l'Hypertension Pulmonaire Sévère, Service de Pneumologie et Réanimation Respiratoire, Hôpital de Bicêtre, DHU thorax Innovation, AP-HP, INSERM U999 ~ Le Kremlin Bicêtre ~ France

ANALYSIS OF SMALL ARTERIES AND FIBROTIC AREAS OF RIGHT VENTRICLE FROM AUTOPSY SPECIMENS OF PULMONARY ARTERIAL HYPERTENSION PATIENTS

Iwasa Toru^[1], Yamada Osamu^[1], Ishibashi-Ueda Hatsue^[1]

^[1]National Cerebral and Cardiovascular Center ~ Suita ~ Japan

PULMONARY ARTERIAL HYPERTENSION: TEMPORAL CHANGES IN PATIENT CHARACTERISTICS, MANAGEMENT STRATEGIES AND OUTCOMES

Larsen Carolyn^[1], Le Rachel^[1], Fenstad Eric^[1], McGoan Michael^[1], Frantz Robert^[1], Kane Garvan^[1]

^[1]Mayo Clinic ~ Rochester ~ United States

DOES VENTILATORY RESPONSE TO EXERCISE DIFFER BETWEEN PATIENTS WITH PULMONARY VENO-OCLUSIVE DISEASE (PVOD) AND THOSE WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION (IPAH)?

Laveneziana Pierantonio^[1], Garcia Gilles^[1], Dorfmüller Peter^[2], Girerd Barbara^[3], Similowski Thomas^[4], Sitbon Olivier^[3], Simonneau Gérald^[3], Humbert Marc^[3], Montani David^[3]

^[1]Centre de Référence de l'Hypertension Pulmonaire Sévère, Service d'Explorations Fonctionnelles Respiratoires, INSERM U999 "HTAP : Physiopathologie et innovation thérapeutique" Hôpital Universitaire de Bicêtre (AP-HP), Université Paris-Sud 11, Le Kremlin-B., ^[2]Univ Paris-Sud, Faculté de médecine, Le Kremlin-Bicêtre; INSERM U999, Centre Chirurgical Marie Lannelongue, Le Plessis-Robinson ~ Le Plessis-Robinson ~ France, ^[3]Centre de Référence de l'Hypertension Pulmonaire Sévère, Service de Pneumologie et Soins Intensifs Thoraciques, INSERM U999 "HTAP : Physiopathologie et innovation thérapeutique" Hôpital Universitaire de Bicêtre (AP-HP), Université Paris-Sud 11, Le Kremlin, ^[4]Univ Paris 06, Equipe de Recherche ER 10 UPMC, Laboratoire de Physio-Pathologie Respiratoire, Faculté de Médecine Pierre et Marie Curie (site Pitié-Salpêtrière); Assistance Publique-Hôpitaux de Paris, Groupe Hospitalier Pitié-Salpêtrière ~ France

A RANDOMIZED OPEN LABEL STUDY COMPARING FIRST-LINE TREATMENT WITH BOSENTAN OR SILDENAFIL IN PULMONARY ARTERIAL HYPERTENSION (PAH): LONG-TERM RESULTS

Mazzanti Gaia^[1], Albini Alessandra^[1], Terzi Francesca^[1], Palazzini Massimiliano^[1], Bachetti Cristina^[1], Conficoni Elisa^[1], Rizzo Nicole^[1], Dardi Fabio^[1], Rinaldi Andrea^[1], Gotti Enrico^[1], Monti Enrico^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

LONG TERM RESPONSE TO CALCIUM CHANNEL BLOCKERS IN BMPR2 MUTATION CARRIERS: DIFFERENT PHENOTYPES FOR A SAME GENOTYPE

Montani David^[1], Girerd Barbara^[1], Soubrier Florent^[2], Sitbon Olivier^[1], Humbert Marc^[1], Simonneau Gérald^[1]

^[1]Université Paris-Sud, Centre National de Référence de l'Hypertension Pulmonaire Sévère, Service de Pneumologie et Réanimation Respiratoire, Hôpital de Bicêtre, DHU Thorax Innovation, AP-HP, INSERM U999 ~ Le Kremlin Bicêtre ~ France, ^[2]Université Pierre et Marie Curie-Paris 6, Laboratoire d'Oncogénétique et Angiogénétique Moléculaire, UMRS 956 INSERM, Groupe Hospitalier Pitié-Salpêtrière ~ Paris ~ France

END-EXPIRATORY PULMONARY CAPILLARY WEDGE PRESSURE <=15MMHG IS A RELIABLE INDICATOR OF A NORMAL LEFT VENTRICULAR FILLING PRESSURE IN A HIGH PRETEST PROBABILITY PULMONARY ARTERIAL HYPERTENSION POPULATION

Oliveira Rudolf^[1], Vieira Machado Ferreira Eloara^[1], Ramos Roberta^[1], Messina Carolina^[1], Silva Celia^[1], Arakaki Jaquelina^[1]

^[1]Federal University of São Paulo - UNIFESP ~ São Paulo ~ Brazil

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

UPDATE IN PULMONARY HYPERTENSION CASES RELATED TO BENFLUOREX EXPOSURE IN FRANCE

Savale Laurent^[1], Chaumais Marie Camille^[1], Cottin Vincent^[2], Bergot Emmanuel^[3], Frachon Irène^[4], Prevot Grégoire^[5], Pison Christophe^[6], Dromer Claire^[7], Poubeau Patrice^[8], Lamblin Nicolas^[9], Habib Gilbert^[10], Reynaud-Gaubert Martine^[10], Bourdin Arnaud^[11], Sanchez Olivier^[12], Jaïs Xavier^[1], Sitbon Olivier^[1], Montani David^[1], Simonneau Gérald^[1], Humbert Marc^[1]

^[1]CHU Bicêtre, Université Paris-Sud ~ Le Kremlin Bicêtre ~ France, ^[2]CHU Lyon ~ France, ^[3]CHU Caen ~ France, ^[4]CHU Brest ~ France, ^[5]CHU Toulouse ~ France, ^[6]CHU Grenoble ~ France, ^[7]CHU Bordeaux ~ France, ^[8]GH de la Réunion ~ Saint Pierre ~ France, ^[9]CHU Lille ~ France, ^[10]CHU Marseille ~ France, ^[11]CHU Montpellier ~ France, ^[12]Hôpital Européen Georges Pompidou ~ Paris ~ France

GENOTYPE TO PHENOTYPE CORRELATIONS IN HERITABLE PULMONARY ARTERIAL HYPERTENSION

Terzi Francesca^[1], Palazzini Massimiliano^[1], Bachetti Cristina^[1], Conficoni Elisa^[1], Rizzo Nicole^[1], Dardi Fabio^[1], Rinaldi Andrea^[1], Gotti Enrico^[1], Mazzanti Gaia^[1], Albini Alessandra^[1], Monti Enrico^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

RIGHT VENTRICULO-ARTERIAL COUPLING IN THE ADAPTED AND FAILING RIGHT VENTRICLE IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Trip Pia^[1], Raamsteboers Aniek Jm^[1], Kind Taco^[1], Westerhof Nico^[2], De Man Frances S^[2], Vonk Noordegraaf Anton^[1]

^[1]Department of Pulmonary Medicine, Institute for Cardiovascular Research, VU University Medical Center ~ Amsterdam ~ Netherlands, ^[2]Department of Pulmonary Medicine and Physiology, Institute for Cardiovascular Research, VU University Medical Center ~ Amsterdam ~ Netherlands

Young Investigator Awards

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Wednesday February 27

Poster Sessions

WEDNESDAY FEBRUARY 27

PATHOLOGY AND PATHOBIOLOGY

TOMOGRAPHIC RADIONUCLIDE VENTRICULOGRAPHY IN THE ASSESSMENT OF NONSELECTIVE ENDOTHELIN RECEPTOR ANTAGONIST BOSENTAN INFLUENCE ON RIGHT VENTRICLE PERFORMANCE IN PATIENTS WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION

Arkhipova Olga^[1], Martynyuk Tamila^[1], Samoilenco Ludmila^[1], Sergienko Vladimir^[1], Chazova Irina^[1]

^[1]Russian Cardiology Research-and-Production Complex ~ Moscow ~ Russian Federation

PULMONARY ARTERY – THE HISTO-PATHOLOGY IN INTERSTITIAL LUNG DISEASE

Balasubramanian Vijay^[1], Nicola Catalin^[1], Heragu Naveen^[2], Sidhu Baljinder^[3], Harding Clarke^[1]

^[1]University of California San Francisco ~ Fresno ~ USA, ^[2]Clovis North High School ~ Fresno ~ USA, ^[3]University of California ~ Davis ~ USA

ROLE FOR MIR-204 IN PULMONARY ARTERIAL HYPERTENSION

Bonnet Sébastien^[1]

^[1]Pulmonary hypertension research group ~ Quebec ~ Canada

DIFFERENTIAL EXPRESSION OF HEPATOCYTE GROWTH FACTOR (HGF) IN PATIENTS WITH SYSTEMIC SCLEROSIS-ASSOCIATED PULMONARY ARTERIAL HYPERTENSION

Chung Lorinda^[1], Cramb Catriona^[1], Robinson William^[1], Steen Virginia^[2], Zamanian Roham^[1]

^[1]Stanford University ~ Stanford ~ USA, ^[2]Georgetown University ~ Washington DC ~ USA

INHIBITION OF CCL2/MCP-1 BY THE SPIEGELMER MNOX-E36 AMELIORATES EXPERIMENTAL PULMONARY HYPERTENSION

Dahal Bhola Kumar^[1], Kosanovic Djuro^[1], Vroom Christina^[1], Biniek Ewa^[1], Ghofrani Hossein Ardeschir^[1], Weissmann Norbert^[1], Seeger Werner^[1], Grimminger Friedrich^[1], Klussmann Sven^[2], Eulberg Dirk^[2], Schermuly Ralph Theo^[1]

^[1]University of Giessen Lung Centre (UGLC), ~ Giessen ~ Germany, ^[2]NOXXON Pharma AG ~ Berlin ~ Germany

MITOCHONDRIAL DYSFUNCTION MEDIATES SUSCEPTIBILITY OF RATS WITH LOW INTRINSIC AEROBIC CAPACITY TO HYPOXIA-INDUCED PULMONARY HYPERTENSION

Duggan Nicholas^[1], Ciucian Loredana^[1], Burton Victoria J^[1], Bonneau Olivier^[1], Rowlands David^[1], Koch Lauren^[2], Britton Steve^[2], Jarai Gabor^[1], Thomas Matthew^[1]

^[1]Respiratory Disease Area, Novartis Institutes for Biomedical Research, Wimblehurst Road, Horsham, West Sussex, UK ^[2]Department of Physical Medicine and Rehabilitation, University of Michigan, Ann Arbor, USA

NMDA-TYPE GLUTAMATE RECEPTORS ARE INVOLVED IN PULMONARY HYPERTENSION, CONTRIBUTING TO INFLAMMATION AND ENDOTHELIAL CELL DYSFUNCTION

Dumas Sébastien J^[1], Perros Frédéric^[2], Rücker-Martin Catherine^[2], Tu Ly^[2], Guignabert Christophe^[2], Gouadon Elodie^[2], Dorfmüller Peter^[2], Humbert Marc^[3], Cohen-Kaminsky Sylvia^[2]

^[1]Université Paris-Sud, Faculté de Médecine et de Pharmacie, INSERM UMR-S 999: Hypertension Artérielle Pulmonaire: Physiopathologie et Innovation Thérapeutique, LabEx LERMIT, DHU TORINO, Centre Chirurgical Marie Lannelongue ~ Le Plessis-Robinson ~ France, ^[2]Université Paris-Sud, Faculté de Médecine, INSERM UMR-S 999: Hypertension Artérielle Pulmonaire: Physiopathologie et Innovation Thérapeutique, LabEx LERMIT, DHU TORINO, Centre Chirurgical Marie Lannelongue ~ Le Plessis-Robinson ~ France, ^[3]Université Paris-Sud, Faculté de Médecine, INSERM UMR-S 999, LabEx LERMIT, DHU TORINO, Centre Chirurgical Marie Lannelongue, AP-HP, CNR de l'Hypertension Pulmonaire Sévère, Service de Pneumologie, Hôpital Bicêtre ~ Le Kremlin-Bicêtre ~ France

ROLE OF RHO-KINASE PATHWAY IN THE PATHOGENESIS OF PULMONARY ARTERIAL HYPERTENSION

Fukumoto Yoshihiro^[1], Shimokawa Hiroaki^[1]

^[1]Tohoku University Graduate School of Medicine ~ Sendai ~ Japan

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

SODIUM BUTYRATE INHIBITS PDGFBB-INDUCED PROLIFERATION AND MIGRATION IN PULMONARY ARTERY SMOOTH MUSCLE CELLS OF PULMONARY HYPERTENSIVE RATS BY BLOCKING AKT ACTIVATION

Galletti Margherita^[1], Cantoni Silvia^[1], Zambelli Filippo^[1], Tassinari Riccardo^[1], Ponti Francesca^[1], Galiè Nazzareno^[1], Ventura Carlo^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

NOX4-DEPENDENT ACTIVATION OF MTORC2-AKT IS REQUIRED FOR INCREASED PROLIFERATION AND SURVIVAL OF VASCULAR SMOOTH MUSCLE CELLS IN IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION

Goncharov Dmitry^[1], Krymskaya Vera^[1], Delisser Horace^[1], Tudor Rubin^[2], Kawut Steven^[1], Goncharova Elena^[1]

^[1]University of Pennsylvania ~ Philadelphia, PA ~ USA, ^[2]University of Colorado ~ Denver, CO ~ USA

THE ROLE OF THROMBOSPONDIN-1 IN PULMONARY HYPERTENSION

Kaiser Ralf^[1], Frantz Christian^[1], Gräber Stephan^[1], Bals Robert^[1], Wilkens Heinrike^[1]

^[1]University of Saarland ~ Homburg/Saar ~ Germany

THE PPAR-BETA AGONIST GW0742 HAS DIRECT PROTECTIVE EFFECTS ON RIGHT HEART HYPERTROPHY

Kojonazarov Baktybek^[1], Luitel Hima^[1], Sydkov Akylbek^[1], Dahal Bhola Kumar^[1], Paul-Clark Mark^[2], Bonvini Sara^[2], Reed Anna^[2], Mitchell Jane A.^[2], Schermuly Ralph Theo^[1]

^[1]Universities of Giessen and Marburg Lung Center, German Center for Lung Research ~ Giessen ~ Germany, ^[2]National Heart and Lung Institute, Imperial College ~ London ~ United Kingdom

DIFFERENTIAL EFFECTS OF 17BETA-ESTRADIOL (E2) ON FUNCTIONAL ENDPOINTS AND LUNG AND RV CELLULAR SURVIVAL SIGNALING IN SU5416/HYPOXIA (SUHX)-INDUCED PULMONARY HYPERTENSION

Lahm Tim^[1], Brown Jordan^[1], Albrecht Marjorie^[1], Fisher Amanda^[1], Cucci Anthony^[1], Cook Todd^[1], Van Demark Mary^[1], Johnstone Brian^[1], Presson Robert^[1], Brown Mary Beth^[1], Petrache Irina^[1]

^[1]Indiana University ~ Indianapolis ~ USA

PROTEOMIC ANALYSIS IDENTIFIES TRANSLATIONALLY CONTROLLED TUMOR PROTEIN (TCTP) AS A POTENTIAL NOVEL MEDIATOR OF OCCLUSIVE VASCULAR REMODELING IN PULMONARY ARTERIAL HYPERTENSION

Lavoie Jessie^[1], Ormiston Mark^[2], Perez-Iratxeta Carol^[1], Jiang Baohua^[1], Courtman David^[1], Morrell Nicholas^[2], Stewart Duncan^[1]

^[1]University of Ottawa, Ottawa Hospital Research Institute ~ Ottawa ~ Canada, ^[2]University of Cambridge School of Clinical Medicine ~ Cambridge ~ United Kingdom

ROLE OF MAST CELLS IN CHRONIC PRESSURE OVERLOAD INDUCED RIGHT VENTRICULAR HYPERTROPHY

Luitel Hima^[1], Sydkov Akylbek^[1], Kojonazarov Baktybek^[1], Dahal Bhola Kumar^[1], Kosanovic Djuro^[1], Janssen Wiebke^[1], Seeger Werner^[1], Grimminger Friedrich^[1], Weissmann Norbert^[1], Ghofrani Hossein Ardeschir^[1], Schermuly Ralph Theo^[1]

^[1]Justus-Liebig University Giessen ~ Germany

RELEVANCE OF CAVEOLIN-1 EXPRESSION IN PULMONARY HYPERTENSION

Mathew Rajamma^[1], Huang Jing^[1], Gewitz Michael^[1]

^[1]New York Medical College ~ Valhalla, New York ~ USA

NEUREGULIN ATTENUATES RIGHT VENTRICULAR AND PULMONARY ENDOTHELIAL DYSFUNCTION IN AN EXPERIMENTAL MODEL OF PULMONARY HYPERTENSION

Mendes-Ferreira Pedro^[1], Maia-Rocha Carolina^[1], Adão Rui^[1], Cerqueira Rui^[1], Mendes Maria^[1], Lourenço André^[1], De Keulenaer Gilles^[2], Leite-Moreira Adelino^[1], Brás-Silva Carmen^[1]

^[1]Dept. of Physiology and Cardiothoracic Surgery, Faculty of Medicine University of Porto ~ Portugal, ^[2]University of Antwerp ~ Belgium

ROLE OF MIR-21 IN RIGHT HEART HYPERTROPHY AND FIBROSIS

Neumann Julia^[1], Janssen Wiebke^[1], Kojonazarov Baktybek^[1], Döbele Carmen^[2], Weissmann Norbert^[1], Ghofrani Hossein Ardeschir^[1], Grimminger Friedrich^[1], Seeger Werner^[1], Dimmeler Stefanie^[2], Schermuly Ralph Theo^[1]

^[1]University of Giessen, Giessen Lung Centre ~ Germany, ^[2]Institute of Cardiovascular Research, Centre of Molecular Medicine, University of Frankfurt ~ Germany

Wednesday February 27

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

Wednesday February 27

NATIONAL BIOLOGICAL SAMPLE AND DATA REPOSITORY FOR PULMONARY ARTERIAL HYPERTENSION

Nichols William^[1], Brearton Melinda^[1], Lutz Katie^[1], Pauciulo Michael^[1]

^[1]Cincinnati Children's Hospital Medical Center ~ Cincinnati ~ USA

A CROSS-REGULATORY T CELL RESPONSE IN PULMONARY HYPERTENSION

Park Sung-Hyun^[1], Chen Wen-Chi^[1], Hoffman Carol^[1], Gordon Terry^[1], Grunig Gabriele^[1]

^[1]New York University ~ Tuxedo ~ United States

MODIFICATION OF HEMODYNAMIC AND IMMUNE RESPONSES TO EXPOSURE WITH A WEAK ANTIGEN BY THE EXPRESSION OF A HYPMORPHIC BMPR2 GENE

Park Sung-Hyun^[1], Chen Wen-Chi^[1], Hoffman Carol^[1], Marsh Leigh M^[2], West James^[3], Grunig Gabriele^[1]

^[1]New York University ~ Tuxedo ~ United States, ^[2]Ludwig Boltzmann Institute for Lung Vascular Research ~ Graz ~ Austria, ^[3]Vanderbilt University ~ Nashville ~ United States

LUNG AND CIRCULATING T AND B CELL REPERTOIRE-BASED IMMUNE SIGNATURES IN PAH

Perros Frédéric^[1], Montani David^[1], Girerd Barbara^[1], Seferian Andrei^[1], Dorfmüller Peter^[1], Klingel-Schmitt Isabelle^[1], Courtier Anais^[2], Filipe-Santos Orchidée^[2], Parmentier Gilles^[2], Perez Solene^[2], Simonneau Gérald^[1], Humbert Marc^[1], Cohen-Kaminsky Sylvia^[1]

^[1]INSERM UMR S-999, Université Paris-Sud, Labex LERMIT; AP-HP, Centre National de Référence de l'Hypertension Pulmonaire Sévère, DHU TORINO; Hôpital Bicêtre; Centre Chirurgical Marie Lannelongue ~ Le Plessis Robinson ~ France, ^[2]ImmunoID Technologies, Research and Development, ~ Grenoble ~ France

CYTOTOXIC CELLS AND GRANULYSIN IN PULMONARY ARTERIAL HYPERTENSION AND VENO-OCCLUSIVE DISEASE

Perros Frédéric^[1], Cohen-Kaminsky Sylvia^[1], Gambaryan Natalia^[1], Girerd Barbara^[1], Raymond Nicolas^[1], Klingelschmitt Isabelle^[1], Huertas Alice^[1], Mercier Olaf^[1], Fadel Elie^[1], Simonneau Gérald^[1], Humbert Marc^[1], Dorfmüller Peter^[1], Montani David^[1]

^[1]Université Paris-Sud; Labex LERMIT; AP-HP; DHU TORINO; Hôpital Bicêtre; INSERM U999; Centre Chirurgical Marie Lannelongue ~ Le Plessis-Robinson ~ France

HARVEST OF PRIMARY PULMONARY ARTERY ENDOTHELIAL CELLS DURING ROUTINE RIGHT HEART CATHETERIZATION

Pollett Jonathan^[1], Murali Srinivas^[1], Benza Raymond^[1], Pappas Orestis^[1], Passineau Michael^[1]

^[1]West Penn Allegheny Health System ~ Pittsburgh ~ United States

ALTERATIONS IN PERIPHERAL SKELETAL MUSCLE MICROCIRCULATION THROUGH MICRO RNA DOWNREGULATION CONTRIBUTING TO EXERCISE INTOLERANCE IN PULMONARY ARTERIAL HYPERTENSION

Putus François^[1], Malenfant Simon^[1], Breuils-Bonnet Sandra^[1], Bonnet Sébastien^[1], Provencher Steeve^[1]

^[1]Université Laval ~ Québec ~ Canada

IMMUNE/INFLAMMATORY CELLS – PRESENCE AND CONTRIBUTION TO THE PATHOLOGY OF IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION

Pullamsetti Soni Savai^[1], Savai Rajkumar^[1], Voswinckel Robert^[2], Fink Ludger^[2], Scheed Axel^[3], Ritter Christin^[2], Dahal Bhola Kumar^[2], Ghofrani Hossein Ardeschir^[2], Weissmann Norbert^[2], Klepetko Walter^[3], Seeger Werner^[2], Grimminger Friedrich^[2], Schermuly Ralph Theo^[2]

^[1]Max Planck Institute for Heart and Lung Research ~ Bad Nauheim ~ Germany, ^[2]University of Giessen and Marburg Lung Center ~ Giessen ~ Germany, ^[3]University Hospital Vienna ~ Austria

MATRIX METALLOPROTEINASES IN IDIOPATHIC, ANOREXIGEN AND HEREDITARY PULMONARY ARTERIAL HYPERTENSION

Safdar Zeenat^[1]

^[1]Baylor College of Medicine ~ Houston ~ USA

DEFINING THE ROLE OF VASOACTIVE INTESTINAL PEPTIDE (VIP) IN THE PULMONARY CIRCULATION

Said Sami^[1]

^[1]SUNY Stony Brook, NY ~ Stony Brook ~ United States

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

INHIBITION OF CA2+/CALMODULIN-DEPENDENT PHOSPHODIESTERASE1A ATTENUATES PRESSURE OVERLOAD-INDUCED RIGHT VENTRICULAR REMODELING AND DYSFUNCTION IN TWO RAT MODELS

Tian Xia^[1], Pullamsetti Soni Savai^[2], Kojonazarov Baktybek^[1], Sydykov Akylbek^[1], Butrous Ghazwan^[3], Ghofrani Hossein Ardeschir^[1], Weissmann Norbert^[1], Grimminger Friedrich^[1], Seeger Werner^[1], Schlüter Klaus-Dieter^[4], Schermuly Ralph Theo^[1]

^[1]Universities of Giessen and Marburg Lung Center ~ Giessen ~ Germany, ^[2]Max Planck Institute for Heart and Lung Research ~ Bad Nauheim ~ Germany,

^[3]University of Kent ~ United Kingdom, ^[4]Institute of Physiology, Justus Liebig University ~ Giessen ~ Germany

WNT-SIGNALING PATHWAY IN RIGHT VENTRICULAR HYPERTROPHY

Tretyn Alexandra^[1], Schlüter Klaus-Dieter^[2], Janssen Wiebke^[3], Ghofrani Hossein Ardeschir^[3], Grimminger Friedrich^[3], Seeger Werner^[3], Schermuly Ralph Theo^[3], Pullamsetti Soni Savai^[1]

^[1]Max Planck Institute for Heart and Lung Research ~ Bad Nauheim ~ Germany, ^[2]Physiology Institute, Justus Liebig University ~ Giessen ~ Germany, ^[3]Universities of Giessen and Marburg Lung Center ~ Giessen ~ Germany

A CRITICAL ROLE FOR P130CAS IN THE PROGRESSION OF PULMONARY HYPERTENSION IN HUMANS AND RODENTS

Tu Ly^[1], De Man Frances S^[2], Girerd Barbara^[1], Huertas Alice^[1], Chaumais Marie Camille^[1], Lecerf Florence^[1], François Charlene^[1], Perros Frédéric^[1], Dorfmüller Peter^[1], Fadel Elie^[1], Montani David^[3], Eddahibi Saadia^[1], Humbert Marc^[3], Guignabert Christophe^[1]

^[1]INSERM U999, LabEx LERMIT, DHU TORINO, Centre Chirurgical Marie Lannelongue, Université Paris-Sud ~ Paris ~ France, ^[2]VU Univ Medical Center ~ Amsterdam ~ Netherlands, ^[3]CHU Bicêtre Service de Pneumologie et Réanimation Respiratoire, Inserm U999, DHU TORINO, Centre Chirurgical Marie Lannelongue, Université Paris-Sud ~ Paris ~ France

GENETICS AND GENOMIC

SERIAL GENE EXPRESSION ANALYSIS IN PERIPHERAL BLOOD MONONUCLEAR CELLS OF PATIENTS WITH IDIOPATHIC AND HERITABLE PULMONARY ARTERIAL HYPERTENSION

Cantoni Silvia^[1], Tassinari Riccardo^[1], Galletti Margherita^[1], Guffanti Alessandro^[2], Brini Elena^[2], Zambelli Filippo^[1], Mazzanti Gaia^[1], Albini Alessandra^[1], Palazzini Massimiliano^[1], Manes Alessandra^[1], Ventura Carlo^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy, ^[2]Genomnia S.r.l. - Milan ~ Italy

GENE EXPRESSION PATTERNS MAY DIFFERENTIATE VASODILATOR-RESPONSIVE PULMONARY ARTERIAL HYPERTENSION FROM NON-RESPONSIVE PULMONARY ARTERIAL HYPERTENSION

Hemnes Anna^[1], Trammell Aaron^[1], Newman John^[1], Robbins Ivan^[1], Penner Niki^[1], Fox Kelly^[1], Wheeler Lisa^[1], Austin Eric D^[1], Archer Stephen^[2], Rich Stuart^[2], West James^[1]

^[1]Vanderbilt University ~ Nashville ~ United States, ^[2]University of Chicago ~ United States

REGULATORY T LYMPHOCYTES DYSFUNCTION IS NOT LEPTIN-DEPENDANT IN HERITABLE PAH IN CONTRAST TO IDIOPATHIC PAH

Huertas Alice^[1], Tu Ly^[1], Girerd Barbara^[1], Montani David^[1], Cohen-Kaminsky Sylvia^[1], Guignabert Christophe^[1], Humbert Marc^[1]

^[1]INSERM U999 ~ Le Plessis-Robinson ~ France

A GENOME WIDE DNA MICROSATELLITE ASSOCIATION STUDY AND ASSOCIATION OF TIMP3 GENE POLYMORPHISM IN JAPANESE PATIENTS WITH HIGH ALTITUDE PULMONARY EDEMA

Kobayashi Nobumitsu^[1], Hanaoka Masayuki^[1], Ota Masao^[1], Kinota Fumiya^[1], Droma Yunden^[1], Ito Michiko^[1], Yasuo Masanori^[1], Katsuyama Yoshihiko^[2], Asamura Hideki^[1], Kubo Keishi^[1]

^[1]Shinshu University School of Medicine ~ Matsumoto ~ Japan, ^[2]Shinshu University Hospital ~ Matsumoto ~ Japan

Wednesday February 27

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Wednesday February 27

Poster Sessions

TGF β RECEPTOR GENE VARIANTS IN SYSTEMIC SCLEROSIS RELATED PULMONARY ARTERIAL HYPERTENSION: RESULTS FROM A MULTICENTER EUSTAR STUDY OF EUROPEAN CAUCASIAN PATIENTS

Koumakis Eugenie^[1], Wipff Julien^[2], Matucci-Cerinic Marco^[4], Riemekasten Gabriella^[3], Airo Paolo^[5], Cusi Daniele^[6], Wichmann H Erich^[7], Müller-Ladner Ulf^[10], Vlachoyiannopoulos Panayotis^[8], Chiocchia Gilles^[9], Allanore Yannick^[1]

^[1]Rheumatology A Department, Cochin Hospital, INSERM U1016, Institut Cochin, Sorbonne Paris Cité ~ Paris ~ France, ^[2]Rheumatology A department, Cochin Hospital ~ Paris ~ France, ^[3]Department of Rheumatology and Clinical Immunology , Charité University Hospital ~ Berlin ~ Germany, ^[4]Department of Biomedicine & Division of Rheumatology AOUC, Department of Rheumatology AVC, Department of Medicine & Denothe centre, University of Florence ~ Florence ~ Italy, ^[5]Rheumatology and Clinical Immunology , Spedali Civili ~ Brescia ~ Italy, ^[6]Department of Medicine, Surgery and Dentistry San Paolo & Genomics and Bioinformatics Platform, Fondazione Filarete, University of Milano ~ Milan ~ Italy, ^[7]Institute of Epidemiology I, Helmholtz Zentrum München - German Research Center for Environmental Health, Neuherberg, Germany; Institute of Medical Informatics, Biometry and Epidemiology, Chair of Epidemiology, Ludwig-Maximilians-Universität, Munich, Germ, ^[8]Department of Pathophysiology, Medical School, University of Athens ~ Athens ~ Greece, ^[9]Paris Descartes University, INSERM U1016, Institut Cochin, Sorbonne Paris Cité ~ Paris ~ France, ^[10]Department of Rheumatology and Clinical Immunology Kerckhoff-Klinik, Bad Nauheim ~ Bad Nauheim ~ Germany

15-YEARS CLINICAL FOLLOW UP AND NEW GENETIC FINDINGS IN A LARGE FAMILY WITH HEREDITARY PULMONARY ARTERIAL HYPERTENSION

Pfarr Nicole^[1], Fischer Christine^[1], Hinderhofer Katrin^[1], Nagel Christian^[2], Ehlken Nicola^[2], Grünig Ekkehard^[2]

^[1]Institute of Human Genetics, University of Heidelberg ~ Germany, ^[2]Centre for Pulmonary Hypertension, Thorax clinic ~ Heidelberg ~ Germany

PATHWAY ANALYSIS OF THE GENE EXPRESSION IN LUNGS OF PULMONARY HYPERTENSION USING WEB-OPENED MICROARRAY DATA

Sakai Satoshi^[1], Maruyama Hidekazu^[1], Kimura Taizo^[1], Miyauchi Takashi^[1], Homma Satoshi^[1], Aonuma Kazutaka^[1]

^[1]University of Tsukuba ~ Japan

GENOME-WIDE ASSOCIATION ANALYSIS IDENTIFIES A SUSCEPTIBILITY LOCUS FOR PULMONARY ARTERIAL HYPERTENSION

Soubrier Florent^[1], Germain Marine^[2], Eyries Mélanie^[1], Montani David^[3], Poirier Odette^[4], Girerd Barbara^[3], Dorfmüller Peter^[5], Coulet Florence^[6], Nadaud Sophie^[4], Maugrenre Svetlana^[4], Guignabert Christophe^[7], Carpentier Wassila^[8], Vonk Noordegraaf Anton^[9], Levy Marilyne^[10], Chaouat Ari^[11], Lambert Jean-Charles^[12], Bertrand Marion^[13], Dupuy Anne-Marie^[14], Letenneur Luc^[15], Lathrop Mark^[16], Amouyel Philippe^[12], De Ravel Thomy JL^[17], Delcroix Marion^[18], Austin Eric D^[19], Robbins Ivan^[20], Hemnes Anna^[20], Loyd James E^[20], Rosenzweig Erika^[21], Barst Robyn J^[21], Chung Wendy^[21], Simonneau Gérald^[3], Tréguoët David Alexandre^[2], Humbert Marc^[3]

^[1]Genetics Department, Pitié-Salpêtrière Hospital, Assistance Publique-Hôpitaux de Paris; INSERM UMR_S956, University Pierre&Marie Curie; ICAN Institute for Cardiometabolism and Nutrition ~ Paris ~ France, ^[2]INSERM UMR_S937, University Pierre&Marie Curie; ICAN Institute for Cardiometabolism and Nutrition ~ Paris ~ France, ^[3]Service de Pneumologie et Réanimation Respiratoire, Centre National de Référence de l'Hypertension Pulmonaire Sévère, Hôpital Bicêtre ~ Le Kremlin-Bicêtre ~ France, ^[4]INSERM UMR_S956, University Pierre&Marie Curie; ICAN Institute for Cardiometabolism and Nutrition ~ Paris ~ France, ^[5]Service d'Anatomie et de Cytologie Pathologiques, Hôpital Marie Lannelongue ~ Paris ~ France, ^[6]Genetics Department, Pitié Salpêtrière Hospital ~ Paris ~ France, ^[7]INSERM UMR_S999, University Paris-Sud; Labex LERMIT ~ Le Plessis-Robinson ~ France, ^[8]Post-Genomic Platform P3S, University Pierre&Marie Curie ~ Paris ~ France, ^[9]Department of Pulmonary Diseases, VU University Medical Center ~ Amsterdam ~ Netherlands, ^[10]Cardiac Surgery Department, Hôpital Necker-Enfants malades, University Paris-Descartes ~ Paris ~ France, ^[11]Respiratory Disease Department, Hôpital de Brabois ~ Vandoeuvre-les-Nancy ~ France, ^[12]INSERM UMR_S744, Institut Pasteur de Lille, University Lille-Nord de France ~ Lille ~ France, ^[13]INSERM UMR_S 708, University Pierre&Marie Curie ~ Paris ~ France, ^[14]INSERM UMR_S888, Université de Montpellier ~ France, ^[15]INSERM U897, Université de Bordeaux, ISPED ~ Bordeaux ~ France, ^[16]Commissariat à l'Energie Atomique, Institut de Génomique, Centre National de Génotypage ~ Evry ~ France, ^[17]Centre for Human Genetics, University Hospitals of Leuven ~ Belgium, ^[18]Department of Pneumology, University Hospital of Leuven ~ Belgium, ^[19]Division of Allergy, Immunology and Pulmonary Medicine, Vanderbilt University Medical Center ~ Nashville ~ United States, ^[20]Division of Allergy, Pulmonary and Critical Care, Department of Medicine, Vanderbilt University School of Medicine ~ Nashville ~ United States, ^[21]Department of Pediatrics, Columbia University Medical Center ~ New York ~ United States

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

DEFINITIONS AND CLASSIFICATIONS AND PARTICULARITIES OF DIFFERENT PAH SUBGROUPS

METHAMPHETAMINE USE IS COMMON AMONG PATIENTS WITH OTHERWISE IDIOPATHIC PULMONARY HYPERTENSION

Barnett Christopher^[1], Wiley Brandon^[2], Kobashigawa Erin^[1], Oveson Lynn^[1], Tarango Nimaljeet^[1], De Marco Teresa^[1], McGlothlin Dana^[1]

^[1]University of California San Francisco ~ United States, ^[2]Mount Sinai Hospital ~ New York ~ United States

THE USE OF SEROTONINERGIC ANTIDEPRESSANTS AND THE RISK OF PULMONARY ARTERIAL HYPERTENSION

Fox Benjamin^[1], Azoulay Laurent^[1], Dell'Aniello Sophie^[1], Lapi Francesco^[1], Langleben David^[1], Suissa Samy^[1]

^[1]McGill University ~ Montreal ~ Canada

NOVEL INSIGHTS INTO THE MECHANISMS BEHIND INTERFERON INDUCED PULMONARY HYPERTENSION; RELEVANCE OF ET-1 AND IP10

George Peter M^[1], Dorfmüller Peter^[1], Kirkby Nicholas S^[1], Galloway-Phillipps Neil^[1], Veselkov Kirill A^[1], Southwood Mark^[1],
Wort Stephen J^[1], Alazawi William^[1], Foster Graham R^[1], Holmes Alan M^[1], Schreiber Benjamin E^[1], Coghlan John Gerard^[1],
Morrell Nicholas W^[1], Humbert Marc^[1], Mitchell Jane A^[1]

^[1]Cardiothoracic Pharmacology, National Heart and Lung Institute, Imperial College London ~ UK

A NEW DEFINITION OF PULMONARY HYPERTENSION AT EXERCISE

Hervé Philippe^[1], Savale Laurent^[1], Artaud-Macari Elise^[1], Günther Sven^[1], Montani David^[1], Chemla Denis^[1], Sitbon Olivier^[1], Humbert
Marc^[1], Simonneau Gérald^[1]

^[1]INSERM U 999, Pulmonary Vascular Disease National Reference Center, Pneumology Department, Bicêtre Hospital, University of Paris South ~ Le Kremlin Bicêtre
~ France

ELECTROCARDIOGRAM COULD HELP DISTINGUISH PULMONARY ARTERIAL HYPERTENSION FROM PULMONARY HYPERTENSION DUE TO DIASTOLIC HEART FAILURE

Luknár Milan^[1], Lesný Peter^[1], Varga Ivan^[1], Solík Peter^[1], Goncalvesová Eva^[1]

^[1]National Cardiovascular Institute ~ Bratislava ~ Slovakia

POST CAPILLARY PULMONARY HYPERTENSION: NONINVASIVE DIAGNOSIS BY THORACIC ECG-SYNCHRONIZED CT

Sauvage Nancy^[1], Reymond Emilie^[1], Prieur Marion^[1], Jankowski Adrien^[1], Pison Christophe^[1], Bouvaist Hélène^[1], Ferretti Gilbert^[1]

^[1]Expert Centre for PH, Université J. Fourier ~ Grenoble ~ France

PULMONARY ARTERIAL HYPERTENSION IN PATIENTS TREATED WITH INTERFERON

Savale Laurent^[1], Günther Sven^[1], Chaumais Marie Camille^[2], Sattler Caroline^[1], Artaud-Macari Elise^[1], Perrin Swanny^[2], Jaïs Xavier^[1],
Montani David^[1], Humbert Marc^[1], Simonneau Gérald^[1], Sitbon Olivier^[1]

^[1]AP-HP, Service de Pneumologie, DHU Thorax Innovation, Hôpital Bicêtre ~ Le Kremlin Bicêtre ~ France, ^[2]INSERM U999, LabEx LERMAT, Centre Chirurgical Marie
Lannelongue ~ Le Plessis Robinson ~ France

Wednesday February 27

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Wednesday February 27

Poster Sessions

PATHOPHYSIOLOGY (FOCUSING ON EXERCISE AND RV)

EVALUATION OF PULMONARY VASCULAR RESISTANCE DURING EXERCISE IN PATIENTS WITH PULMONARY HYPERTENSION

Almeida Ana^[1], Lopes Liliana^[1], Loureiro Maria^[1], Cotrim Carlos^[1], Marques Jorge^[1], Repolho Debora^[1], Pereira Hélder^[1]

^[1]Hospital Garcia de Orta ~ Almada ~ Portugal

ECHOCARDIOGRAPHIC ASSESSMENT OF RIGHT VENTRICULAR CONTRACTILE RESERVE IN PATIENTS WITH PULMONARY HYPERTENSION

Almeida Ana^[1], Lopes Liliana^[1], Loureiro Maria^[1], Cotrim Carlos^[1], Cruz Inês^[1], Stuart Bruno^[1], Caldeira Daniel^[1], Pereira Hélder^[1]

^[1]Hospital Garcia de Orta ~ Almada ~ Portugal

AN IMPROVED FORMULA FOR ESTIMATING RIGHT VENTRICULAR STROKE WORK IN PULMONARY HYPERTENSION

Chemla Denis^[1], Castelain Vincent^[1], Kaixian Zhu^[1], Papelier Yves^[1], Creuze Nicolas^[1], Hoette Susana^[1], Parent Florence^[1], Simonneau Gérald^[1], Humbert Marc^[1], Hervé Philippe^[1]

^[1]Université Paris Sud-Faculté de Médecine ~ Kremlin Bicêtre ~ France

THE COMPONENTS OF PULMONARY ARTERY PRESSURE ARE MATHEMATICALLY RELATED THROUGH A GEOMETRIC PROGRESSION IN PULMONARY HYPERTENSION

Chemla Denis^[1], Castelain Vincent^[1], Simonneau Gérald^[1], Humbert Marc^[1], Hervé Philippe^[1]

^[1]Université Paris Sud, Faculté de Médecine ~ Kremlin Bicêtre ~ France

PROGNOSTIC VALUE OF RIGHT VENTRICULAR EJECTION FRACTION USING CONVENTIONAL PLANAR EQUILIBRIUM RADIONUCLIDE ANGIOGRAPHY IN PULMONARY ARTERIAL HYPERTENSION

Cottin Vincent^[1], Courand Pierre-Yves^[1], Khouatra Chahéra^[1], Pina-Jomir Géraldine^[1], Scheiber Christian^[1], Traclet Julie^[1], Dib Alfred^[1], Blanchet Anne-Sophie^[1], Derumeaux Geneviève^[1], Glerant Jean-Charles^[1], Turquier Séolène^[1], Humbert Marc^[2], Simonneau Gérald^[2], Cordier Jean-François^[1]

^[1]University of Lyon ~ France, ^[2]University of Paris ~ France

ROLE OF NOTCH SIGNALING IN PULMONARY HYPERTENSION

Dabral Swati^[1], Pullamsetti Soni Savai^[1], Lang Michaela^[2], Ghofrani Hossein Ardeschir^[2], Weissmann Norbert^[2], Grimminger Friedrich^[2], Seeger Werner^[2], Schermuly Ralph Theo^[2]

^[1]Max-Planck-Institute for Heart and Lung Research ~ Bad Nauheim ~ Germany, ^[2]University of Giessen and Marburg Lung Center ~ Giessen ~ Germany

PROGNOSTIC UTILITY OF RIGHT VENTRICULAR SYSTOLIC STRAIN MEASUREMENT BY SPECKLE-TRACKING ECHOCARDIOGRAPHY FOR THE EVALUATION OF PULMONARY HYPERTENSION

Fine Nowell^[1], Chen Libo^[1], Frantz Robert^[1], Pellikka Patricia^[1], Kane Garvan^[1]

^[1]Mayo Clinic ~ Rochester ~ USA

ASSESSMENT AND PROGNOSTIC RELEVANCE OF RIGHT VENTRICULAR CONTRACTILE RESERVE IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Grünig Ekkehard^[1], Tiede Henning^[2], Enyimayew Esi Otuwa^[1], Ehlikens Nicola^[1], Seyfarth Hans-Jürgen^[3], Bossone Eduardo^[4], D'Andrea Antonello^[5], Naeije Robert^[6], Olschewski Horst^[7], Nagel Christian^[1], Halank Michael^[8], Fischer Christine^[1]

^[1]University of Heidelberg ~ Germany, ^[2]University of Giessen ~ Germany, ^[3]University of Leipzig ~ Germany, ^[4]University of Salerno ~ Italy, ^[5]Second University of Naples ~ Italy, ^[6]University of Brussels ~ Belgium, ^[7]University of Graz ~ Austria, ^[8]University of Dresden ~ Germany

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

EFFECT OF EXERCISE ON PULMONARY HEMODYNAMICS IN BREATHLESS PATIENTS WITH OR WITHOUT PULMONARY HYPERTENSION

Imran Muhammad^[1], Keogh Anne M^[1], Kotlyar Eugene^[1], Corrigan Carolyn^[1], Prichard Rose^[1], Hayward Christopher^[1], Macdonald Peter^[1]

^[1]St. Vincent's Hospital ~ Sydney ~ Australia

AIRWAY MUCOSAL BLOOD FLOW IN PULMONARY ARTERIAL HYPERTENSION

Karlócai Kristóf^[1], Csósza Györgyi^[1], Kis Adrián^[1], Tóth Laura Andrea^[1], Losonczy György^[1], Mendes Eliana S^[2], Wanner Adam^[2], Horváth Gábor^[1]

^[1]Semmelweis University ~ Budapest ~ Hungary, ^[2]Division of Pulmonary, Critical Care and Sleep Medicine, University of Miami ~ United States

ECHOCARDIOGRAPHY IN EARLY DETECTION OF RIGHT HEART DYSFUNCTION IN DIFFERENT LOADING CONDITIONS

Kovacevic-Preradovic Tamara^[5], Vujisic-Tesic Bosiljka^[1], Lovric Milica^[2], Preradovic Milan^[3], Jakovljevic Biljana^[4], Trnnic Dijana^[5], Kozic Marijo^[5], Janjic Zoran^[5], Srdic Svetozar^[5]

^[1]University of Belgrade ~ Serbia, ^[2]General Hospital Bijeljina ~ Bosnia and Herzegovina, ^[3]Clinic Medicolaser ~ Banja Luka ~ Bosnia and Herzegovina,

^[4]International Dialysis Center ~ Banja Luka ~ Bosnia and Herzegovina, ^[5]Clinic of cardiovascular diseases, Clinical Center ~ Banja Luka ~ Bosnia and Herzegovina

TRANSVERSE DISPLACEMENT: A NOVEL ECHOCARDIOGRAPHIC PARAMETER DESCRIBING RIGHT VENTRICULAR FUNCTION IN PULMONARY HYPERTENSION

Kovács Attila^[1], Peluso Diletta^[2], Muraru Denisa^[2], Perazzolo Marra Martina^[2], Badano Luigi P^[2], Dal Bianco Lucia^[2], Segafredo Beatrice^[2], Iliceto Sabino^[2]

^[1]Heart Center, Semmelweis University ~ Budapest ~ Hungary, ^[2]Department of Cardiac, Thoracic and Vascular Sciences, University of Padua ~ Italy

CHARACTERIZATION OF A NOVEL PARAMETER OF RIGHT VENTRICULAR FUNCTION BY SPECKLE TRACKING ECHOCARDIOGRAPHY IN HEALTHY SUBJECTS

Kovács Attila^[2], Peluso Diletta^[1], Muraru Denisa^[1], Ermacora Davide^[1], Badano Luigi P^[1], Dal Bianco Lucia^[1], Zoppellaro Giacomo^[1], Iliceto Sabino^[1]

^[1]Department of Cardiac, Thoracic and Vascular Sciences, University of Padua ~ Italy, ^[2]Heart Center, Semmelweis University ~ Budapest ~ Hungary

INSPIRATORY MUSCLE DYSFUNCTION DURING EXERCISE IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Laveneziana Pierantonio^[3], Garcia Gilles^[1], Joureau Barbara^[2], Jaïs Xavier^[4], Montani David^[4], Sitbon Olivier^[4], Simonneau Gérald^[4], Similowski Thomas^[5], Humbert Marc^[4]

^[1]Centre de Référence de l'Hypertension Pulmonaire Sévère, Service d'Explorations Fonctionnelles Respiratoires, INSERM U999 "HTAP : Physiopathologie et innovation thérapeutique" Hôpital Universitaire de Bicêtre (AP-HP), Université Paris-Sud 11 ~ Le Kremlin-, ^[2]Univ Paris 06, Equipe de Recherche ER 10 UPMC, Laboratoire de Physio-Pathologie Respiratoire, Faculté de Médecine Pierre et Marie Curie (site Pitié-Salpêtrière) ~ Paris ~ France, ^[3]Centre de Référence de l'Hypertension Pulmonaire Sévère, Service d'Explorations Fonctionnelles Respiratoires, INSERM U999 "HTAP : Physiopathologie et innovation thérapeutique" Hôpital Universitaire de Bicêtre (AP-HP), Université Paris-Sud 11, Le Kremlin-B, ^[4]Centre de Référence de l'Hypertension Pulmonaire Sévère, Service de Pneumologie et Soins Intensifs Thoraciques, INSERM U999 "HTAP : Physiopathologie et innovation thérapeutique" Hôpital Universitaire de Bicêtre (AP-HP), Université Paris-Sud 11, Le Kremlin, ^[5]Univ Paris 06, Equipe de Recherche ER 10 UPMC, Laboratoire de Physio-Pathologie Respiratoire, Faculté de Médecine Pierre et Marie Curie (site Pitié-Salpêtrière) and Assistance Publique-Hôpitaux de Paris, Groupe Hospitalier Pitié-Salpêtrière

CIRCADAPT: A COMPREHENSIVE IN SILICO SIMULATION TOOL FOR RESEARCH AND EDUCATION IN PULMONARY HYPERTENSION-RELATED CARDIAC PATHOPHYSIOLOGY

Lumens Joost^[1], Reesink Koen D^[1], Koeken Yvette^[1], Brunner-La Rocca Hans-Peter^[1], Van Paassen Pieter^[1], Arts Theo^[1], Delhaas Tammo^[1]

^[1]Maastricht University Medical Center, Cardiovascular Research Institute Maastricht (CARIM) ~ Maastricht ~ Netherlands

PREDICTORS OF EXERCISE ABNORMALITIES IN PATIENTS REFERRED FOR PULMONARY HYPERTENSION EVALUATION: COMPARISON OF EXERCISE ECHOCARDIOGRAPHY WITH RIGHT HEART CATHETERIZATION

Misra Deepika^[1], Gujja Karthik^[1], Sulica Roxana^[1]

^[1]Beth Israel Medical Center ~ New York ~ United States

Wednesday February 27

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Wednesday February 27

Poster Sessions

BREATHING EFFICIENCY MEASURED DURING SIX MINUTE WALK TEST PREDICTS DISEASE SEVERITY IN PULMONARY ARTERIAL HYPERTENSION

Morris Norman^[1], Seale Helen^[2], Harris Julie^[2], Hall Kathleen^[2], Kermeen Fiona^[2]

^[1]Griffith University ~ Gold Coast ~ Australia, ^[2]Queensland Lung Transplant Service, The Prince Charles Hospital ~ Brisbane ~ Australia

THE ADDITION OF CARDIOPULMONARY MEASUREMENTS TO A SIX MINUTE WALK TEST DIFFERENTIATES PULMONARY ARTERIAL HYPERTENSION PATIENTS ON MONO VS DUAL VS TRIPLE THERAPY

Morris Norman^[1], Seale Helen^[2], Harris Julie^[2], Hall Kathleen^[2], Kermeen Fiona^[2]

^[1]Griffith University ~ Gold Coast ~ Australia, ^[2]Queensland Lung Transplant Service, The Prince Charles Hospital ~ Brisbane ~ Australia

REFERENCE VALUES FOR RIGHT VENTRICULAR GEOMETRY AND FUNCTION BY THREE-DIMENSIONAL ECHOCARDIOGRAPHY: A MULTI-CENTER STUDY OF 533 HEALTHY VOLUNTEERS

Muraru Denisa^[1], Gripari Paola^[2], Esposito Roberta^[3], Ermacora Davide^[1], Tamborini Gloria^[2], Galderisi Maurizio^[3], Santoro Ciro^[3], Maffessanti Francesco^[2], Pepi Mauro^[2], Badano Luigi P^[1]

^[1]University of Padua ~ Italy, ^[2]Cardiology Center Monzino (IRCCS) ~ Milan ~ Italy, ^[3]Dpt of Clinical Medicine, University of Naples Federico II ~ Naples ~ Italy

SUBMAXIMAL EXERCISE TESTING FOR PULMONARY ARTERIAL HYPERTENSION: UTILIZATION OF NEW TECHNOLOGY

Neal Jennifer^[1], Lee Augustine^[1], Burger Charles^[1]

^[1]Mayo Clinic ~ Jacksonville, Florida ~ USA

IMPAIRMENT OF RIGHT ATRIAL MECHANICS AND FUNCTION IN PULMONARY HYPERTENSION PATIENTS ASSESSED BY 2D-SPECKLE TRACKING AND THREE-DIMENSIONAL ECHOCARDIOGRAPHY

Peluso Diletta^[1], Kovács Attila^[2], Dal Bianco Lucia^[1], Muraru Denisa^[1], Perazzolo Marra Martina^[1], Sarais Cristiano^[1], Badano Luigi P^[1], Iliceto Sabino^[1]

^[1]Department of Cardiac, Thoracic and Vascular Sciences, University of Padua ~ Italy, ^[2]Heart Center, Semmelweis University ~ Budapest ~ Hungary

CHARACTERIZATION OF RIGHT ATRIAL MECHANICS BY 2D-SPECKLE TRACKING ECHOCARDIOGRAPHY IN HEALTHY SUBJECTS

Peluso Diletta^[1], Kovács Attila^[2], Dal Bianco Lucia^[1], Muraru Denisa^[1], Cucchini Umberto^[1], Badano Luigi P^[1], Iliceto Sabino^[1]

^[1]Department of Cardiac, Thoracic and Vascular Sciences, University of Padua ~ Italy, ^[2]Heart Center, Semmelweis University ~ Budapest ~ Hungary

RA VOLUMES AND PHASIC FUNCTION BY 3-DIMENSIONAL ECHOCARDIOGRAPHY IN HEALTHY SUBJECTS

Peluso Diletta^[2], Kovács Attila^[1], Dal Bianco Lucia^[2], Muraru Denisa^[2], Padayattil Seena^[2], Badano Luigi P^[2], Iliceto Sabino^[2]

^[1]Heart Center, Semmelweis University ~ Budapest ~ Hungary, ^[2]Department of Cardiac, Thoracic and Vascular Sciences, University of Padua ~ Italy

RIGHT VENTRICULAR FUNCTION ANALYSIS IMPROVE PERFORMANCE OF ECHOCARDIOGRAPHY TO SCREEN PULMONARY HYPERTENSION

Potton Leila^[1], Bouvait Hélène^[1], Saunier Carole^[1], Saint Raymond Christel^[1], Jondot Marie^[1], Vanzetto Gerald^[1], Pison Christophe^[1]

^[1]University of Grenoble ~ France

RIGHT VENTRICULAR DIASTOLIC STIFFNESS IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Rain Silvia^[1], Van Der Velden Jolanda^[1], Ottenheijm Coen^[1], Handoko M. Louis^[1], Granzier Henk^[2], Westerhof Nico^[1], Dos Remedios Cris^[3], Humbert Marc^[4], Dorfmüller Peter^[4], Guignabert Christophe^[4], Vonk Noordegraaf Anton^[1], De Man Frances S^[1]

^[1]VU University Medical Center ~ Amsterdam ~ Netherlands, ^[2]University of Arizona ~ Tucson ~ USA, ^[3]University of Sydney ~ Australia, ^[4]Inserm U999 ~ Le Plessis Robinson ~ France

ROCKING RIGHT VENTRICLE

Seaton David^[2], Shearer Belinda^[2], Aldridge Kam^[2], Kermeen Fiona^[1]

^[1]Queensland Lung Transplant Service, The Prince Charles Hospital ~ Brisbane ~ Australia, ^[2]Queensland Nuclear Imaging, The Prince Charles Campus ~ Brisbane ~ Australia

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

AN ECHOCARDIOGRAPHIC SNAPSHOT OF RIGHT VENTRICULAR DYSFUNCTION

Seaton David^[2], Shearer Belinda^[2], Aldridge Kam^[2], Kermeen Fiona^[1]

^[1]Queensland Lung Transplant Service, The Prince Charles Hospital ~ Brisbane ~ Australia, ^[2]Queensland Nuclear Imaging, The Prince Charles Campus ~ Brisbane ~ Australia

RIGHT VENTRICULAR STRAIN IN THE ROCKING RIGHT VENTRICLE

Seaton David^[1], Shearer Belinda^[1], Aldridge Kam^[1], Kermeen Fiona^[2], Chan Jonathan^[3], Yamada Akira^[3]

^[1]Queensland Nuclear Imaging, The Prince Charles Campus ~ Brisbane ~ Australia, ^[2]Queensland Lung Transplant Service, The Prince Charles Hospital ~ Brisbane ~ Australia, ^[3]Cardiology Department, The Prince Charles Hospital ~ Brisbane ~ Australia

SKELETAL MUSCLE DYSFUNCTION IN IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION

Shadly Ahmed Samar^[1], Granton John^[1], Batt Jane^[1]

^[1]University of Toronto ~ Canada

GENETIC VARIATION IN SEX HORMONE PATHWAYS AND THEIR RELATIONSHIP TO RIGHT VENTRICULAR FUNCTION: THE MESA-RIGHT VENTRICLE STUDY

Ventetuolo Corey^[1], Mitra Nandita^[2], He Jiwei^[2], Wan Fei^[2], Barr R. Graham^[3], Bluemke David^[4], Lima Joao^[5], Ouyang Pamela^[5], Kawut Steven^[2]

^[1]Brown University ~ Providence ~ United States, ^[2]University of Pennsylvania ~ Philadelphia ~ United States, ^[3]Columbia University ~ New York ~ United States,

^[4]National Institute of Health ~ Bethesda ~ United States, ^[5]Johns Hopkins ~ Baltimore ~ United States

FOUR-MINUTE STEP TEST: A POTENTIAL TEST FOR PAH PATIENTS?

Vieira Machado Ferreira Eloara^[1], Melatto Thais^[1], Almeida Melline^[1], Acedo Adriano^[1], Ramos Roberta^[1], Arakaki Jaquelina^[1]

^[1]Federal University Of Sao Paulo ~ Brazil

PREDICTORS OF PULMONARY ARTERIAL HYPERTENSION CLINICAL WORSENING USING RECUMBENT EXERCISE STRESS ECHOCARDIOGRAPHY

Wirth Joel^[1], Godara Geeta^[1], Rancourt David^[1], Hacobian Melkon^[1], Cohen Mylan^[1]

^[1]Tufts University School of Medicine ~ Portland, ME ~ United States

INAPPROPRIATE INCREASE OF PULMONARY ARTERY PRESSURE BY EXERCISE FOR THE EARLY DIAGNOSIS OF PULMONARY HYPERTENSION ASSOCIATED WITH CONNECTIVE TISSUE DISEASES

Yamasaki Yoshioki^[1], Yamada Hidehiro^[1], Suzuki Kengo^[1], Akashi Yoshihiro^[1], Tsuchida Kosei^[1], Ozaki Shoichi^[1]

^[1]St. Marianna University School of Medicine ~ Kawasaki ~ Japan

IS PERTURBED PULSE WAVE VELOCITY IN SYSTEMIC ARTERIES PRESENT IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION?

Yang Eric^[1], Nambi Vijay^[1], Frost Adaani E^[1]

^[1]Baylor College of Medicine ~ Houston ~ United States

Wednesday February 27

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Thursday February 28

Poster Sessions

THURSDAY FEBRUARY 28

EPIDEMIOLOGY AND REGISTRIES

BASELINE FUNCTIONAL, ECHOCARDIOGRAPHIC AND HEMODYNAMIC PARAMETERS OF INCIDENT PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION AT A GREEK EXPERT CENTER

Anthi Anastasia^[1], Tsangaridis Iraklis^[1], Rallidis Loukianos^[2], Pappas Athanasios^[2], Konstantonis Dimitrios^[1], Frantzeskaki Frantzeska^[1], Triantafyllidi Helen^[2], Lekakis John^[2], Armananidis Apostolos^[1], Orfanos Stylianos E.^[1]

^[1]2nd Department of Critical Care, Pulmonary Hypertension Clinic, University of Athens, Medical School, Attikon General Hospital ~ Athens ~ Greece, ^[2]2nd Department of Cardiology , Pulmonary Hypertension Clinic, University of Athens, Medical School, Attikon General Hospital ~ Athens ~ Greece

REGISTRY AND PROGNOSIS STUDY IN KOREAN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Chung Namsik^[1], Jung Jin Won^[2], Park Jong Chun^[3], Chae Shung Chull^[4], Kim Kee-Sik^[5], Sohn Dae-Won^[6], Chang Kyoung-Sig^[7], Kim Dong Soo^[8], Youn Ho-Joong^[9], Park Jeong Bae^[10], Rim Se-Joong^[1], Jung Hae Ok^[9], Chung Wook-Jin^[11], Choi Eui-Young^[1], Seo Hye-Sun^[12], Cho Kyoung-Im^[13]

^[1]Yonsei university hospital ~ Seoul ~ Korea, Republic of, ^[2]WonKwang University ~ IKSAN ~ Korea, Republic of, ^[3]Chonnam university hospital ~ Jeonju ~ Korea, Republic of, ^[4]Kyongbu University Hospital ~ Daegu ~ Korea, Republic of, ^[5]Dae-gu Catholic university hospital ~ Daegu ~ Korea, Republic of, ^[6]Seoul national university hospital ~ Seoul ~ Korea, Republic of, ^[7]Chosun University Hospital ~ Kwangju ~ Korea, Republic of, ^[8]Inje university hospital ~ Kimhae ~ Korea, Republic of, ^[9]Catholic university hospital ~ Seoul ~ Korea, Republic of, ^[10]Myongji hospital ~ Ilsan ~ Korea, Republic of, ^[11]Gachon university hospital ~ Incheon ~ Korea, Republic of, ^[12]Spoonchunhyang university hospital ~ Bucheon ~ Korea, Republic of, ^[13]Maryknoll hospital ~ Busan ~ Korea, Republic of

PULMONARY ARTERIAL HYPERTENSION IN ARGENTINA IN HINPULSAR REGISTRY: EPIDEMIOLOGY, CLINICAL PROFILE AND MANAGEMENT

Coronel Maria^[1], Perna Eduardo^[1], Echazarreta Diego^[2], Lema Luis^[3], Aristimuño Guillermo^[1], Garcia Brasca Daniela^[3], Botta Cristian^[3], Curro Maria^[3], Echazarreta Andres^[2], Lescano Adrian^[3]

^[1]Instituto de Cardiología J. F. Cabral ~ Corrientes ~ Argentina, ^[2]Hospital San Juan de Dios ~ La Plata ~ Argentina, ^[3]Heart Failure and Pulmonary Hypertension Committee ~ Argentine Federation of Cardiology ~ Argentina

CHANGES IN THE PATTERNS OF REFERRAL TO PULMONARY HYPERTENSION CENTERS

Glen Clarisse^[1], Sulica Roxana^[1]

^[1]Beth Israel Medical Center ~ New York ~ United States

SURVIVAL IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION IN THE NORTHWEST REGISTER OF RUSSIA

Goncharova Natalia^[1], Kazimli Aygun^[1], Najmushin Alexander^[1], Kozlova Svetlana^[1], Moiseeva Olga^[1]

^[1]FGBU "Almazov Federal Center of Heart, Blood and Endocrinology" ~ Saint-Petersburg ~ Russian Federation

IMPROVED SURVIVAL IN SYSTEMIC SCLEROSIS-ASSOCIATED PULMONARY ARTERIAL HYPERTENSION PATIENTS ENROLLED IN THE PULMONARY HYPERTENSION ASSESSMENT AND RECOGNITION OF OUTCOMES IN SCLERODERMA (PHAROS) REGISTRY

Gordon Jessica^[1], Huang Wei-ti^[1], Horn Evelyn^[2], Steen Virginia^[3]

^[1]Hospital for Special Surgery ~ New York ~ United States, ^[2]Weill-Cornell Medical College ~ New York ~ USA, ^[3]Georgetown University Hospital ~ Washington, DC ~ USA

PULMONARY HYPERTENSION ASSESSMENT AND RECOGNITION OF OUTCOMES IN SCLERODERMA (PHAROS): PREDICTIVE FACTORS IN THE DEVELOPMENT OF PULMONARY HYPERTENSION IN A HIGH RISK POPULATION WITH SYSTEMIC SCLEROSIS (SSC)

Hsu Vivien^[1], Steen Virginia^[2]

^[1]Robert Wood Johnson School of Medicine ~ New Brunswick ~ United States, ^[2]Georgetown University ~ Washington DC ~ United States

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

PULMONARY HYPERTENSION ASSOCIATED WITH RHEUMATIC DISEASES: BASELINE CHARACTERISTICS FROM THE KOREAN REGISTRY

Jeon Chan Hong^[1], Lee Shin-Seok^[2]

^[1]Soonchunhyang University School of Medicine ~ Bucheon ~ Korea, Republic of, ^[2]Department of Rheumatology, Chonnam National University Medical School and Hospital

PHYSICIAN MONITORING OF PULMONARY ARTERIAL HYPERTENSION SUBJECTS: RESULTS FROM A LARGE U.S. HEALTH INSURANCE CLAIMS DATABASE

Joish Vijay^[1], Muccino David^[1], Golick Mark^[1], Minai Omar^[2]

^[1]Bayer HealthCare ~ Wayne ~ United States, ^[2]Pulmonary, Allergy and Critical Care Medicine, Cleveland Clinic ~ Cleveland ~ United States

ANALYSIS OF LONG-TERM SURVIVAL IN PATIENTS FOLLOWED UP IN A UNIT OF PULMONARY HYPERTENSION

López Reyes Raquel^[1], Ballester Marta^[1], Menendez Maria Angeles^[1], Fandos Maria Jose^[1], Ansotegui Emilio^[1], Nauffal Dolores^[1]

^[1]University Hospital La Fe ~ Valencia ~ Spain

THE PULMONARY HYPERTENSION REGISTRY IN THE PHILIPPINES: RESULTS FROM THE PHILIPPINE HEART CENTER -CENTER FOR PULMONARY VASCULAR DISORDERS

Mateo Maria Paz^[1]

^[1]Philippine Heart Center ~ Quezon City ~ Philippines

PULMONARY HYPERTENSION AND ASSOCIATIONS IN ARGENTINA: RESULTS OF HINPULSAR REGISTRY

Perna Eduardo^[1], Coronel Maria^[1], Echarzarraga Diego^[2], Lobo Marquez Lilia^[3], Haurigot Pilar^[3], Fleitas Paez Maximiliano^[3], Toldo Cristian^[3], Ruffino Gustavo^[3], Pereiro Stella^[3], Macin Stella^[1]

^[1]Instituto de Cardiología J. F. Cabral ~ Corrientes ~ Argentina, ^[2]Hospital San Juan de Dios ~ La Plata ~ Argentina, ^[3]Heart Failure and Pulmonary Hypertension Committee, Argentinean Federation of Cardiology ~ Argentina

FUNCTIONAL CLASS AND FIRST-LINE TREATMENT OF PULMONARY ARTERIAL HYPERTENSION IN THE SPANISH REGISTRY ON PULMONARY ARTERIAL HYPERTENSION (REHAP)

Roman Antonio^[1], Barbera Joan Albert^[2], Morales Pilar^[3], Lopez-Meseguer Manuel^[1], Elias L^[4], Molina Luis^[5], Escribano Pilar^[6]

^[1]Hospital Vall d'Hebron ~ Barcelona ~ Spain, ^[2]Hospital Clinic ~ Barcelona ~ Spain, ^[3]Hospital La Fe ~ Valencia ~ Spain, ^[4]Hospital Universitario Virgen del Rocío ~ Sevilla ~ Spain, ^[5]Hospital del Mar ~ Barcelona ~ Spain, ^[6]Hospital Universitario 12 de Octubre ~ Madrid ~ Spain

THE SWEDISH NATIONAL REGISTRY FOR PULMONARY ARTERIAL HYPERTENSION

Selimovic Nedim^[1], Jansson Kjell^[2], Kornhall Björn^[3], Lövgren Eknehag Björn^[4], Larsen Flemming^[5], Willehadson Maria^[6], Wikström Gerhard^[6], Söderberg Stefan^[7]

^[1]Sahlgrenska University Hospital ~ Gothenburg ~ Sweden, ^[2]University Hospital ~ Linköping ~ Sweden, ^[3]Skåne University Hospital ~ Lund ~ Sweden, ^[4]Norrtälje Hospital ~ Stockholm ~ Sweden, ^[5]Karolinska University Hospital ~ Stockholm ~ Sweden, ^[6]Akademiska Hospital ~ Uppsala ~ Sweden, ^[7]Norrlands University Hospital ~ Umeå ~ Sweden

EPIDEMIOLOGY OF PULMONARY ARTERIAL HYPERTENSION IN LATVIA

Skride Andris^[1], Rudzitis Ainars^[2], Akermane Renate^[1], Viksne Sigita^[1]

^[1]Riga Stradiņš University ~ Riga ~ Latvia, ^[2]University of Latvia ~ Riga ~ Latvia

PULMONARY ARTERIAL HYPERTENSION (PAH) HAS A GLOBAL IMPACT ON PATIENTS & CAREGIVERS: RESULTS FROM US POPULATION BASED QUALITATIVE INTERVIEWS AND QUANTITATIVE SURVEYS

Studer Sean^[1], Aldrighetti Rino^[2], Chen Hubert^[3], McCollister Deborah^[4], Mullen Mary^[5], Park Myung^[6], Lombardi Sandra^[7], Fischer Aryeh^[8]

^[1]Newark Beth Israel Medical Center ~ Newark ~ United States, ^[2]PH Association-US ~ Silver Spring ~ USA, ^[3]University of California San Francisco ~ United States, ^[4]University of Colorado Denver ~ USA, ^[5]Boston Children's Hospital ~ Boston ~ USA, ^[6]University of Maryland ~ Baltimore ~ USA, ^[7]University of California San Diego ~ United States, ^[8]National Jewish Health ~ Denver ~ USA

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Thursday February 28

Poster Sessions

DIAGNOSIS AND PROGNOSIS

CHARACTERISTICS AND OUTCOME OF PATIENTS WITH PRE-CAPILLARY PULMONARY HYPERTENSION WHO WERE DRAINED FOR TAMPOONADE: A MONOCENTRIC STUDY

Artaud-Macari Elise^[1], Montani David^[1], Mercier Olaf^[2], Persichini Romain^[1], Günther Sven^[1], Jaïs Xavier^[1], Parent Florence^[1], Simonneau Gérald^[1], Humbert Marc^[1], Sitbon Olivier^[1], Savale Laurent^[1]

^[1]Bicêtre Hospital ~ Le Kremlin Bicêtre ~ France, ^[2]Marie Lannelongue Hospital ~ Le Plessis-Robinson ~ France

EXPERT CONSENSUS FOR PERFORMING RIGHT HEART CATHETERIZATION IN SUSPICION OF PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH SYSTEMIC SCLEROSIS: A DELPHI CONSENSUS STUDY WITH CLUSTER ANALYSIS FROM THE EPOSS GROUP

Avouac Jerome^[1], Huscher Dörte^[2], Furst Daniel^[3], Opitz Christian^[4], Distler Oliver^[5], Yannick Allanore^[1]

^[1]Paris Descartes University, Sorbonne Paris Cité, Rheumatology A department, Cochin Hospital ~ Paris ~ France, ^[2]German Rheumatism Research Centre ~ Berlin ~ Germany, ^[3]Division of Rheumatology, Department of Medicine, David Geffen School at UCLA ~ Los Angeles ~ USA, ^[4]Klinik für Innere Medizin, DRK-Kliniken Berlin Köpenick ~ Berlin ~ Germany, ^[5]Department of Rheumatology, University Hospital Zurich ~ Zurich ~ Switzerland

DYNAMIC CONTRAST-ENHANCED COMPUTED TOMOGRAPHY BASED DETERMINATION OF CARDIAC OUTPUT

Bálint Zoltán^[1], Pienn Michael^[1], Kovacs Gábor^[1], Tscherner Maria^[1], Johnson Thorsten R.^[2], Kullnig Peter^[3], Stollberger Rudolf^[4], Olschewski Andrea^[1], Olschewski Horst^[5]

^[1]Ludwig Boltzmann Institute for Lung Vascular Research ~ Graz ~ Austria, ^[2]Institute for Clinical Radiology, Ludwig Maximilians University ~ München ~ Germany,

^[3]DiagnostikZentrum ~ Graz ~ Austria, ^[4]Institute for Medical Engineering, Graz University of Technology ~ Graz ~ Austria, ^[5]Division of Pulmonology, Department of Internal Medicine, Medical University Graz ~ Austria

THE SUBMAXIMAL HEART AND PULMONARY EVALUATION (SHAPE) IS A NOVEL, NONINVASIVE TEST TO IDENTIFY PULMONARY HYPERTENSION IN PATIENTS WITH SCLERODERMA

Bernstein Elana^[1], Gordon Jessica^[1], Spiera Robert^[1], Mandl Lisa^[1], Horn Evelyn^[2]

^[1]Hospital for Special Surgery ~ New York ~ United States, ^[2]New York Presbyterian Hospital/Weill Cornell Medical College ~ New York ~ United States

ECHOCARDIOGRAPHIC SPECKLE TRACKING STRAIN OF THE RIGHT VENTRICLE CAN PREDICT SUCCESS TO PULMONARY VASODILATORS THERAPY IN PAH PATIENTS

Bouchra Lamia^[1], Molano Carlos^[1], Viacroze Catherine^[1], Cuvelier Antoine^[1], Muir Jean-François^[1]

^[1]University of Rouen ~ France

PATIENTS WITH SYSTEMIC SCLEROSIS AND EXERCISE-INDUCED INCREASE IN PULMONARY ARTERY PRESSURE: AN EARLY SIGN OF DISEASE?

Carignola Renato^[1], Data Valeria^[1], Destefanis Paola^[2], Bianco Matteo^[2], Chirio Claudio^[2], Montabone Erika^[1], Pozzi Roberto^[2], Albera Carlo^[3]

^[1]SSD Day Hospital Internistico Centralizzato - AOU SanLuigi Gonzaga ~ Orbassano (TO) ~ Italy, ^[2]SCDO Cardiologia - AOU SanLuigi Gonzaga ~ Orbassano (TO) ~ Italy, ^[3]Università degli Studi di Torino - Dip Scienze Cliniche e Biologiche - AOU SanLuigi Gonzaga ~ Orbassano (TO) ~ Italy

PULMONARY HYPERTENSION IN BRONCHOPULMONARY DISPLASIA: CLINICAL FINDINGS, ASSOCIATED CARDIOVASCULAR ANOMALIES AND OUTCOME

Cerro Marín María Jesús Del^[1], Sabaté Rotés Anna^[1], Cartón Antonio^[1], Deiros Lucia^[1], Bret-Zurita Montserrat^[1], Barrio María Isabel^[1], Albajara Luís^[1], Menendez Juan José^[1], Gutierrez-larraya Federico^[1]

^[1]La Paz Children's Hospital ~ Madrid ~ Spain

CARDIAC MAGNETIC RESONANCE-DERIVED RIGHT VENTRICULAR OUTFLOW TRACT SYSTOLIC FLOW ACCELERATION: A NOVEL INDEX OF RIGHT VENTRICULAR FUNCTION AND PROGNOSIS IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Chang Hyuk-Jae^[1], Kang Ki-Woon^[2]

^[1]Yonsei Medical college ~ Seoul ~ Korea, Republic of, ^[2]Eulji University Hospital ~ Daejeon ~ Korea, Republic of

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

ECHOCARDIOGRAPHIC ASSESSMENT OF PULMONARY VASCULAR RESISTANCE IN SEVERE PULMONARY HYPERTENSION

Chang Sung-A^[1], Byeon Kyung Min^[1], Kim Hyung Kwan^[2], Park Seung Woo^[1], Kim Duk Kyung^[1]

^[1]Samsung Medical Center, Sungkyunkwan University College of Medicine ~ Seoul ~ Korea, Republic of, ^[2]Seoul National University Hospital ~ Seoul ~ Korea, Republic of

RIGHT VENTRICULAR DYSFUNCTION AND PULMONARY OBSTRUCTION INDEX BY CT PULMONARY ANGIOGRAPHY AS A PREDICTOR OF PATIENT OUTCOME

Chaosuwanakit Narumol^[1], Makarawate Pattrapong^[1]

^[1]Khon Kaen University ~ Khon Kaen ~ Thailand

PROGNOSTIC VALUE OF EXERCISE CARDIAC INDEX AND RIGHT VENTRICO-ARTERIAL COUPLING IN IDIOPATHIC, FAMILIAL AND ANOREXIGEN-ASSOCIATED PULMONARY ARTERIAL HYPERTENSION

Chaouat Ari^[1], Poncet-Mongars Raphaëlle^[1], Guillaumot Anne^[1], Gomez Emmanuel^[1], Malvestio Pascale^[1], Selton-Suty Christine^[2], Regent Denis^[3], Provencher Steeve^[4], Sitbon Olivier^[5]

^[1]Service des Maladies Respiratoires & Réanimation Respiratoire, CHU-Nancy/Université de Lorraine ~ Nancy ~ France, ^[2]Cardiologie Adultes, CHU-Nancy/Université de Lorraine ~ Nancy ~ France, ^[3]Radiologie, CHU-Nancy/Université de Lorraine ~ Nancy ~ France, ^[4]Institut de Cardiologie et de Pneumologie de Québec ~ Canada, ^[5]Service de Pneumologie et Réanimation Respiratoire, AP-HP, Hôpital de Kremlin Bicêtre/Université Paris-Sud 11, INSERM U999 ~ Paris ~ France

COMPARISON OF INCIDENT PATIENTS WITH PULMONARY HYPERTENSION AND RISK FACTORS FOR LEFT HEART DISEASE ACCORDING TO THEIR HAEMODYNAMIC PROFILE: A RETROSPECTIVE STUDY

Charalampopoulos Athanasios^[1], Howard Luke^[1], Davies Rachel^[1], Gin-Sing Wendy^[1], Tzoulaki Ioanna^[1], Wilkins Martin^[1], Gibbs Simon^[1]

^[1]Imperial Healthcare NHS Trust-Imperial College ~ London ~ United Kingdom

THE PHENOTYPES OF INCIDENT PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION ACCORDING TO THE PRESENCE OF CARDIOVASCULAR RISK FACTORS: A RETROSPECTIVE STUDY

Charalampopoulos Athanasios^[1], Howard Luke^[1], Davies Rachel^[1], Gin-Sing Wendy^[1], Tzoulaki Ioanna^[1], Wilkins Martin^[1], Gibbs Simon^[1]

^[1]National Pulmonary Hypertension Service, Hammersmith Hospital and Imperial College of Medicine, London ~ United Kingdom

THE SIGNIFICANCE OF TRICUSPID VALVE REGURGITATION IN PATIENTS DIAGNOSED WITH PULMONARY ARTERIAL HYPERTENSION

Chen Libo^[1], Larsen Carolyn^[1], Le Rachel^[1], McGoon Michael^[1], Frantz Robert^[1], Kane Garvan^[1]

^[1]Mayo Clinic ~ Rochester ~ United States

A PROOF OF CONCEPT FOR EXHALED AIR ANALYSIS USING NANO ARTIFICIAL NOSE (NA-NOSE) IN PULMONARY ARTERIAL HYPERTENSION

Cohen-Kaminsky Sylvia^[1], Nakhleh Morad^[2], Montani David^[1], Girerd Barbara^[1], Garcia Gilles^[1], Simonneau Gérald^[1], Haick Hossam^[2], Humbert Marc^[1]

^[1]INSERM UMR S-999, Université Paris-Sud, Labex LERMIT; AP-HP, Centre National de Référence de l'Hypertension Pulmonaire Sévère, DHU TORINO; Hôpital Bicêtre; Centre Chirurgical Marie Lannelongue ~ Le Plessis Robinson ~ France, ^[2]The Department of Chemical Engineering and Russell Berrie Nanotechnology Institute, Technion, Israël Institute of Technology ~ Haifa ~ Israel

MEASUREMENT OF END-TIDAL CO₂ PARTIAL PRESSURE DURING EXERCISE SHOWS EARLY PULMONARY ARTERIAL HYPERTENSION IN SCLERODERMA PATIENTS

Dumitrescu Daniel^[1], Viethen Thomas^[1], Gerhardt Felix^[1], Moinzadeh Pia^[2], Hunzelmann Nicolas^[2], Rosenkranz Stephan^[1]

^[1]Herzzentrum der Universitaet zu Koeln ~ Cologne ~ Germany, ^[2]Universitaetsklinikum Koeln, Klinik fuer Dermatologie und Venerologie ~ Cologne ~ Germany

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Thursday February 28

Poster Sessions

COMPUTED TOMOGRAPHY IN SCHISTOSOMIC PULMONARY ARTERIAL HYPERTENSION

Ferreira Rita^[1], Almeida Milena^[2], Mertens Alessandra^[2], Bandeira Angela^[2], Domingues Ana Lucia^[1], Silveira Carlos^[2], Leite Luiz^[1], Pereira Clara^[1]

^[1]Universidade Federal de Pernambuco ~ Recife ~ Brazil, ^[2]Pronto Socorro Cardiológico de Pernambuco ~ Recife ~ Brazil

WHICH PATIENT WITH UNEXPLAINED DYSPNOEA NEEDS A RIGHT HEART CATHETER?

Fowler Robin^[2], Gain Kevin^[1], Gabbay Eli^[3]

^[1]Royal Perth Hospital, Lung Institute of Western Australia, Curtin University, University of Western Australia ~ Perth ~ Australia, ^[2]Edith Cowan University, Lung Institute of Western Australia, Curtin University, Royal Perth Hospital ~ Perth ~ Australia, ^[3]Royal Perth Hospital, Lung Institute of Western Australia, University of Western Australia, Curtin University, Notre Dame University, Heart and Lung Transplant Foundation of Western Australia ~ Perth ~ Australia

SCREENING OF PULMONARY HYPERTENSION BY DOPPLER ECHOCARDIOGRAPHY IN RENAL TRANSPLANT CANDIDATES

Gazzana Marcelo^[1], Ribeiro Adriana^[2], Knorst Marli^[1], Manfro Roberto^[2]

^[1]Pulmonology Department, Hospital de Clínicas de Porto Alegre ~ Porto Alegre ~ Brazil, ^[2]Nephrology Department, Hospital de Clínicas de Porto Alegre ~ Porto Alegre ~ Brazil

END-STAGE SICKLE CELL DISEASE (SCD)-ASSOCIATED PULMONARY HYPERTENSION (PH) IS CHARACTERIZED BY ABNORMAL CELLULAR, MECHANICAL AND VASO-ACTIVE PROFILES

George Patricia^[1], Yao Mingyi^[1], Ahmad Ferhaan^[1], Sembrat John^[1], Rajkumar Revathi^[1], Novelli Enrico^[1], Stenmark Kurt^[2], Gladwin Mark^[1], Champion Hunter^[1], Isenberg Jeffrey^[1]

^[1]University of Pittsburgh ~ United States, ^[2]University of Colorado ~ Denver ~ United States

RIGHT VENTRICULAR REMODELING IN IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION ASSESSED WITH THREE-DIMENSIONAL ECHOCARDIOGRAPHY AND CARDIAC MAGNETIC RESONANCE: THE ROLE OF MASS REGRESSION AND REDUCTION OF EJECTION FRACTION AS PROGNOSTIC MARKERS?

Grapsa Julia^[1], Cabrita Ines Zimbarra^[1], Durighel Giuliana^[2], Dawson David^[1], O'Regan Declan^[2], Howard Luke^[3], Nihoyannopoulos Petros^[1], Gibbs Simon^[3]

^[1]Cardiology Department, Hammersmith Hospital, Imperial College NHS Trust ~ London ~ United Kingdom, ^[2]CMR department, Robert Steiner Unit, Hammersmith Hospital, Imperial College NHS Trust ~ London ~ United Kingdom, ^[3]National Pulmonary Hypertension Service, Hammersmith Hospital, Imperial College NHS Trust ~ London ~ United Kingdom

IMPAIRED HEMODYNAMIC RESPONSE DURING DOBUTAMINE STRESS IS RELATED TO A LOWER CARDIOVASCULAR RESERVE IN PULMONARY ARTERIAL HYPERTENSION

Grignola Juan^[4], Aguilar Rio^[1], Roman Antonio^[2], Bouteldja Nadia^[3], Domingo Enric^[3]

^[1]Servicio de Cardiología, Hospital de la Princesa ~ Madrid ~ Spain, ^[2]Servei de Pneumologia i CIBERES, Hospital Universitari Vall d'Hebron ~ Barcelona ~ Spain, ^[3]Area del Cor, Hospital Universitari Vall d'Hebron ~ Barcelona ~ Spain, ^[4]Department of Pathophysiology, Hospital de Clínicas, Universidad de la República ~ Montevideo ~ Uruguay

REFERENCE VALUES AND DETERMINING FACTORS OF RIGHT ATRIAL AREA IN HEALTHY ADULTS BY TWO-DIMENSIONAL ECHOCARDIOGRAPHY

Grünig Ekkehard^[1], Henn Philipp^[1], D'Andrea Antonello^[2], Claussen Martin^[3], Ehlken Nicola^[1], Maier Felicitas C^[1], Naeije Robert^[5], Nagel Christian^[1], Prange Felix^[1], Weidenhammer Johannes^[1], Fischer Christine^[1], Bossone Eduardo^[4]

^[1]University of Heidelberg ~ Germany, ^[2]Second University of Naples ~ Italy, ^[3]Clinic Grosshadendorf ~ Germany, ^[4]University of Salerno ~ Italy, ^[5]University of Brussels ~ Belgium

MOLECULAR IMAGING OF THE HUMAN PULMONARY CIRCULATION USING A RADIOLABELED ADRENOMEDULLIN DERIVATIVE

Harel François^[1], Levac Xavier^[1], Nguyen Quang Trinh^[1], Letourneau Myriam^[2], Marcil Sophie^[1], Finnerty Vincent^[1], Fournier Alain^[2], Dupuis Jocelyn^[1]

^[1]Montreal Heart Institute ~ Montreal ~ Canada, ^[2]INRS-Institut Armand Frappier ~ Laval ~ Canada

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

PREDICTING CLINICAL DETERIORATION IN PATIENTS WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION (IPAH)

Harrison Anne-Marie^[1], Gabbay Eli^[1], Hannon Tara^[2], Playford David^[1]

^[1]University of Notre Dame ~ Perth ~ Australia, ^[2]Respiratory West ~ Perth ~ Australia

CLINICAL CHARACTERIZATION AND SURVIVAL OF PATIENTS WITH BORDERLINE ELEVATION IN PULMONARY ARTERY PRESSURE

Heresi Gustavo^[1], Minai Omar^[1], Tonelli Adriano^[1], Hammel Jeffrey^[1], Farha Samar^[1], Parambil Joseph^[1], Dweik Raed^[1]

^[1]Cleveland Clinic ~ Cleveland ~ United States

PULMONARY HYPERTENSION IN ANTISYNTETASE SYNDROME: PREVALENCE, ETIOLOGY AND OUTCOME

Hervier Baptiste^[2], Meyer Alain^[3], Dieval Céline^[4], Uzunhan Yurdagul^[5], Devilliers Hervé^[6], Launay David^[7], Canuet Matthieu^[8], Têtû Laurent^[9], Agard Christian^[10], Sibilia Jean^[3], Hamidou Mohamed^[10], Amoura Zahir^[11], Nunes Hilario^[5], Benveniste Olivier^[1], Montani David^[11], Hachulla Eric^[7]

^[1]APHP, Hôpital Pitié-Salpêtrière ~ Paris ~ France, ^[2]Internal Medicine Dpt, Hôpital Pitié-Salpêtrière, APHP, UPMC ~ Paris ~ France, ^[3]Rheumatology dpt, University Hospital Hautepierre ~ Strasbourg ~ France, ^[4]Internal medicine & Infectious disease dpt, University Hospital St André ~ Bordeaux ~ France, ^[5]Pneumology dpt, Hôpital Avicenne ~ Bobigny ~ France, ^[6]Internal medicine dpt, University hospital ~ Dijon ~ France, ^[7]Internal Medicine dpt, Hôpital C. Huriez, CHRU ~ Lille ~ France, ^[8]Pneumology dpt, University Hospital ~ Strasbourg ~ France, ^[9]Pneumology dpt, University Hospital Larrey ~ Toulouse ~ France, ^[10]Internal Medicine dpt, Hôtel Dieu ~ Nantes ~ France, ^[11]Pneumology dpt, Hôpital de Bicêtre, APHP, University of Paris XI ~ Le Kremlin Bicêtre ~ France

CLINICAL CHARACTERISTICS AND PROGNOSIS OF PULMONARY ARTERIAL HYPERTENSION WITH MOTTLED LIKE PATTERN ON LUNG PERFUSION SCANS IN RECENT ERA

Ichimura Yasunori^[1], Tanabe Nobuhiro^[1], Sugiura Toshihiko^[1], Sekine Ayumi^[1], Suda Rika^[1], Sakao Seiichiro^[1], Kasahara Yasunori^[1], Tatsumi Koichiro^[1]

^[1]Department of Respirology, Graduate School of Medicine, Chiba University ~ Chiba ~ Japan

OUTCOMES IN PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH CONGENITAL HEART DISEASE: INSIGHTS FROM THE SPANISH REGISTRY OF PULMONARY ARTERIAL HYPERTENSION (REHAP)

Jimenez Lopez-Guarch Carmen^[1], Oliver Jose Maria^[2], Dos Laura^[3], Segovia Javier^[4], Lazaro Maria^[5], Gallego Pastora^[6], Escribano Pilar^[1]

^[1]Hospital Universitario 12 de Octubre ~ Madrid ~ Spain, ^[2]Hospital Universitario La Paz ~ Madrid ~ Spain, ^[3]Hospital Universitario Vall d'Hebron ~ Barcelona ~ Spain, ^[4]Hospital Universitario Puerta de Hierro ~ Madrid ~ Spain, ^[5]Hospital Virgen de la Salud ~ Toledo ~ Spain, ^[6]Hospital Virgen de la Macarena ~ Sevilla ~ Spain

ATRIAL SEPTAL DEFECT IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH CONGENITAL HEART DISEASE: CAN IT BE LONGER CONSIDERED A BENIGN ENTITY?

Jimenez Lopez-Guarch Carmen^[1], Subirana M. Teresa^[2], Quero Maria Concepcion^[3], Almenar Luis^[4], Castillo-Palma Maria J^[5], Lara Antonio^[6], Escribano Pilar^[1]

^[1]Hospital Universitario 12 de Octubre ~ Madrid ~ Spain, ^[2]Hospital de Sant Pau ~ Barcelona ~ Spain, ^[3]Hospital Universitario Ramón y Cajal ~ Madrid ~ Spain, ^[4]Hospital Universitario La Fe ~ Valencia ~ Spain, ^[5]Hospital Universitario Virgen del Rocío ~ Sevilla ~ Spain, ^[6]Hospital Universitario de Canarias ~ Tenerife ~ Spain

PREVALENCE AND EFFECTS OF SYSTEMIC HYPERTENSION IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Juvakka Oskar^[1], Bergfeldt Lennart^[1], Selimovic Nedim^[1]

^[1]Sahlgrenska University Hospital ~ Gothenburg ~ Sweden

PROGNOSTIC IMPACT OF RENAL FUNCTION IN PULMONARY HYPERTENSION

Kaiser Ralf^[1], Seiler Sarah^[1], Bals Robert^[1], Wilkens Heinrike^[1]

^[1]University of Saarland ~ Homburg/Saar ~ Germany

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

Thursday February 28

CORRELATIONS OF PULMONARY HYPERTENSION AND PULMONARY ARTERY DILATATION IN EISENMENGER SYNDROME

Kaldararová Monika^[1], Pacák Jozef^[2], Masura Jozef^[1], Simková Iveta^[2]

^[1]National Institute of Cardiovascular Diseases - Children's Cardiac Center ~ Bratislava ~ Slovakia, ^[2]Dept. Cardiology, Slovak Medical University and National Institute of Cardiovascular Diseases ~ Bratislava ~ Slovakia

HEMODYNAMIC PREDICTORS OF MORTALITY IN ADULTS WITH SICKLE CELL DISEASE

Kato Gregory^[1], Mehari Alem^[1], Alam Shoaib^[1], Tian Xin^[1], Cuttica Michael^[2], Barnett Christopher^[3], Miles George^[1], Xu Dihua^[1], Seamon Catherine^[1], Adams-Graves Patricia^[4], Castro Oswaldo^[5], Minniti Caterina^[1], Sachdev Vandana^[1], Gladwin Mark^[6], Machado Roberto^[7], Kato Gregory^[1]

^[1]National Institutes of Health ~ Bethesda, MD ~ United States, ^[2]Northwestern University ~ Chicago, IL ~ USA, ^[3]University of California ~ San Francisco, CA ~ USA, ^[4]University of Tennessee Health Science Center ~ Memphis, TN ~ USA, ^[5]Howard University ~ Washington, DC ~ USA, ^[6]University of Pittsburgh Medical Center ~ Pittsburgh, PA ~ USA, ^[7]University of Illinois ~ Chicago, IL ~ USA

ASSESSMENT OF PULMONARY ARTERY DISTENSIBILITY INDEX IN PULMONARY ARTERY HYPERTENSION

Kazimli Aygun^[1], Ryzhkov Anton^[1], Goncharova Natalia^[1], Berezina Aelita^[1], Najmushin Alexander^[1], Moiseeva Olga^[1]

^[1]Almazov's Federal Heart, Blood and Endocrinology Centre ~ Saint-Petersburg ~ Russian Federation

EVIDENCE-BASED SCREENING ALGORITHM FOR PULMONARY ARTERIAL HYPERTENSION IN SYSTEMIC SCLEROSIS: THE DETECT STUDY

Khanna Dinesh^[1], Denton Christopher^[2], Coghlan John Gerard^[2], Distler Oliver^[3], Grünig Ekkehard^[4], Bonderman Diana^[5], Müller-Ladner Ulf^[6], Pope Janet^[7], Vonk Madelon^[8], Doelberg Martin^[9], Chadha-Boreham Harbajan^[9], Heinzl Harald^[5], Rosenberg Daniel^[9], McLaughlin Vallerie^[1], Seibold James^[10]

^[1]University of Michigan ~ Ann Arbor ~ United States, ^[2]Royal Free Hospital ~ London ~ United Kingdom, ^[3]University Hospital Zurich ~ Switzerland, ^[4]University Hospital ~ Heidelberg ~ Germany, ^[5]Medical University of Vienna ~ Austria, ^[6]Kerckhoff Clinic ~ Bad Nauheim ~ Germany, ^[7]Western University of Canada, St Joseph's Health Care ~ London, Ontario ~ Canada, ^[8]Radboud University Medical Centre ~ Nijmegen ~ Netherlands, ^[9]Actelion Pharmaceuticals Ltd ~ Allschwil ~ Switzerland, ^[10]Scleroderma Research Consultants, LLC ~ Avon, Connecticut ~ United States

PARADOXICAL SEPTAL MOTION INDEX STRONGLY CORRELATES WITH INVASIVE HEMODYNAMIC PARAMETERS

Kovács Attila^[1], Peluso Diletta^[2], Muraru Denisa^[2], Perazzolo Marra Martina^[2], Badano Luigi P^[2], Dal Bianco Lucia^[2], De Lazzari Manuel^[2], Iliceto Sabino^[2]

^[1]Heart Center, Semmelweis University ~ Budapest ~ Hungary, ^[2]Department of Cardiac, Thoracic and Vascular Sciences, University of Padua ~ Italy

URGENT NEED FOR STANDARDIZED ZERO REFERENCE LEVEL IN PULMONARY HYPERTENSION

Kovacs Gabor^[1], Avian Alexander^[1], Olschewski Andrea^[1], Olschewski Horst^[1]

^[1]Ludwig Boltzmann Institute for Lung Vascular Research ~ Graz ~ Austria

LACK OF UTILITY OF AUTOANTIBODY TESTING FOR IDENTIFYING PATIENTS AT HIGH RISK OF DEVELOPING PULMONARY ARTERIAL HYPERTENSION: A RETROSPECTIVE ANALYSIS IN ROUTINE AUTOANTIBODY LABORATORY

Kuwana Masataka^[1], Shirai Yuichiro^[1]

^[1]Keio University ~ Tokyo ~ Japan

CARDIAC INDEX BY THERMODILUTION AND FROM NON-INVASIVE PULSE PRESSURE PROFILES ANALYSIS IN PAH

Lador Frédéric^[2], Sitbon Olivier^[1], Simonneau Gérald^[1], Hervé Philippe^[3]

^[1]Hôpital Universitaire de Bicêtre ~ Paris ~ France, ^[2]Hôpitaux Universitaires de Genève ~ Geneva ~ Switzerland, ^[3]Centre Chirurgical Marie Lannelongue ~ Le Plessis Robinson ~ France

INCREASED MAIN PULMONARY ARTERY DIAMETER ON CHEST COMPUTED TOMOGRAPHY CAN PREDICT PRESENCE OF BORDERLINE PULMONARY HYPERTENSION

Lange Tobias J^[1], Dornia Christian^[1], Stiefel Jaroslava^[1], Pfeifer Michael^[1], Arzt Michael^[1], Hamer Okka W^[1]

^[1]University Medical Center Regensburg ~ Regensburg ~ Germany

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

THE CONTRIBUTION OF RESPIRATORY MECHANICS TO DYSPNOEA DURING EXERCISE IN PULMONARY ARTERIAL HYPERTENSION

Laveneziana Pierantonio^[1], Garcia Gilles^[2], Joureau Barbara^[3], Jaïs Xavier^[4], Montani David^[4], Sitbon Olivier^[4], Simonneau Gérald^[4], Humbert Marc^[4], Similowski Thomas^[5]

^[1]Centre de Référence de l'Hypertension Pulmonaire Sévère, Service d'Explorations Fonctionnelles Respiratoires, INSERM U999 "HTAP: Physiopathologie et innovation thérapeutique" Hôpital Universitaire de Bicêtre (AP-HP), Université Paris-Sud 11, Le Kremlin-B., ^[2]Centre de Référence de l'Hypertension Pulmonaire Sévère, Service d'Explorations Fonctionnelles Respiratoires, INSERM U999 "HTAP: Physiopathologie et innovation thérapeutique" Hôpital Universitaire de Bicêtre (AP-HP), Université Paris-Sud 11 ~ Le Kremlin-, ^[3]Université Paris 06, Equipe de Recherche ER 10 UPMC, Laboratoire de Physio-Pathologie Respiratoire, Faculté de Médecine Pierre et Marie Curie (site Pitié-Salpêtrière) ~ Paris ~ France, ^[4]Centre de Référence de l'Hypertension Pulmonaire Sévère, Service de Pneumologie et Soins Intensifs Thoraciques, INSERM U999 "HTAP : Physiopathologie et innovation thérapeutique" Hôpital Universitaire de Bicêtre (AP-HP), Université Paris-Sud 11 ~ Le Kremlin, ^[5]Université Paris 06, Equipe de Recherche ER 10 UPMC, Laboratoire de Physio-Pathologie Respiratoire, Faculté de Médecine Pierre et Marie Curie (site Pitié-Salpêtrière); Assistance Publique-Hôpitaux de Paris, Groupe Hospitalier Pitié-Salpêtrière

PULMONARY HYPERTENSION COMPLICATING BONE MARROW TRANSPLANTATION

Levy Marilyn^[1], Heritier Sébastien^[1], Blanche Stéphanie^[1], Fischer Alain^[1], Bonnet Damien^[1]

^[1]Université René Descartes ~ Paris ~ France

PORTOPULMONARY HYPERTENSION IN PATIENTS WITH ISOLATED PORTAL VEIN DISEASE – A DISTINCT CLINICAL ENTITY?

Luknár Milan^[1], Tavacova Marcela^[1], Simkova Iveta^[1], Lesný Peter^[1], Goncalvesová Eva^[1]

^[1]National Cardiovascular Institute ~ Bratislava ~ Slovakia

FIVE-YEAR OUTCOMES OF PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION: NEWLY VERSUS PREVIOUSLY DIAGNOSED PATIENTS

McGoon Michael^[1], Frost Adaani E^[2], Miller David P^[3], Barst Robyn J^[4], Elliott C Gregory^[5], Farber Harrison W^[6], Lai Ginny P^[3], Poms Abby^[7], Badesch David B^[8]

^[1]Mayo Clinic ~ Rochester, MN ~ United States, ^[2]Baylor College of Medicine ~ Houston, TX ~ United States, ^[3]ICON Late Phase & Outcomes Research ~ San Francisco, CA ~ United States, ^[4]Columbia University College of Physicians and Surgeons ~ New York, NY ~ United States, ^[5]University of Utah and Intermountain Medical Center ~ Salt Lake City, UT ~ United States, ^[6]Boston University School of Medicine ~ Boston, MA ~ United States, ^[7]Duke University ~ Durham, NC ~ United States, ^[8]University of Colorado Denver ~ Denver, CO ~ United States

ROLE OF CARDIAC MAGNETIC RESONANCE IN PULMONARY HYPERTENSION

Mercy Magalie^[1], Chaouat Ari^[1], Guillaumot Anne^[1], Gomez Emmanuel^[1], Marie Pierre-Yves^[2], Bonnemains Laurent^[3], Hutin Olivier^[4], Selton-Suty Christine^[4], Chabot François^[1]

^[1]Service des Maladies Respiratoires & Réanimation Respiratoire, CHU-Nancy/Université de Lorraine ~ Nancy ~ France, ^[2]Service de Médecine Nucléaire, CHU-Nancy/Université de Lorraine ~ Nancy ~ France, ^[3]Cardiologie Infantile, CHU-Nancy/Université de Lorraine ~ Nancy ~ France, ^[4]Cardiologie Adultes, CHU-Nancy/Université de Lorraine ~ Nancy ~ France

OCCUPATIONAL EXPOSURE: A RISK FACTOR FOR PULMONARY VENO-OCCLUSIVE DISEASE

Montani David^[1], Descatha Alexis^[1], Le Pavec Jérôme^[1], Savale Laurent^[1], Jaïs Xavier^[1], Zendah Inès^[1], Sitbon Olivier^[1], Simonneau Gérald^[1], Humbert Marc^[1]

^[1]Université Paris-Sud, Centre National de Référence de l'Hypertension Pulmonaire Sévère, Service de Pneumologie et Réanimation Respiratoire, Hôpital de Bicêtre, DHU Thorax Innovation, AP-HP, INSERM U999 ~ Le Kremlin Bicêtre ~ France

ECHOCARDIOGRAPHIC PREDICTORS OF THE PROGNOSIS OF PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION: A MULTIVARIATE ANALYSIS INCLUDING HAEMODYNAMICS AND EXERCISE CAPACITY

Monti Enrico^[1], Bachetti Cristina^[1], Rinaldi Andrea^[1], Gotti Enrico^[1], Terzi Francesca^[1], Conficoni Elisa^[1], Rizzo Nicole^[1], Dardi Fabio^[1], Mazzanti Gaia^[1], Albini Alessandra^[1], Palazzini Massimiliano^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

BASELINE HYPOXEMIA PREDICTS SURVIVAL IN PATIENTS WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION WITHOUT PATENT FORAMEN OVALE

Nair Arun^[1], Fuller Julia^[1], Crackett Rachel^[1], Day Margaret^[1], Lordan Jim^[1], Fisher Andrew^[1], Corris Paul^[1]

^[1]Northern Pulmonary Vascular Treatment Unit, Freeman Hospital ~ Newcastle upon Tyne ~ United Kingdom

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Thursday February 28

Poster Sessions

INCREASED TRANSPULMONARY GRADIENT IN PATIENTS WITH SICKLE CELL ASSOCIATED PULMONARY HYPERTENSION PREDICTS POOR PROGNOSIS AND IS ASSOCIATED WITH RV DYSFUNCTION BY MRI

Nguyen Kim-Lien^[1], Alam Shoaib^[1], Tian Xin^[1], Leung Steve^[1], Seamon Catherine^[1], Minniti Caterina^[1], Machado Roberto^[1], Taylor James^[1], Sachdev Vandana^[1], Arai Andrew^[1], Kato Gregory^[1]

^[1]National Institutes of Health ~ Bethesda, MD ~ USA

PROGNOSTIC FACTOR FOR SURVIVAL IN JAPANESE PATIENTS WITH IDIOPATHIC/HERITABLE PULMONARY ARTERIAL HYPERTENSION

Ogawa Aiko^[1], Satoh Toru^[2], Tamura Yuichi^[3], Matsubara Hiromi^[1]

^[1]National Hospital Organization Okayama Medical Center ~ Okayama ~ Japan, ^[2]Kyorin University Hospital ~ Tokyo ~ Japan, ^[3]Keio University School of Medicine ~ Tokyo ~ Japan

THE PREVALENCE OF PULMONARY HYPERTENSION AMONG PATIENTS EVALUATED BY ECHO IS RELATED TO STRUCTURAL HEART DISEASE

Perna Eduardo^[1], Coronel Maria^[1], Cimbaro Canella Juan^[1], Acevedo Pablo^[1], Aristimuño Guillermo^[1], Burgos Carlos^[1], Parras Jorge^[1], Obregon Ricardo^[1], Garcia Walter^[1], Garcia Edgar^[1]

^[1]Instituto de Cardiología J. F. Cabral ~ Corrientes ~ Argentina

SCHISTOSOMIASIS-ASSOCIATED PULMONARY ARTERIAL HYPERTENSION. SURVIVAL IN ENDEMIC AREA IN BRAZIL

Piscoya Carlos^[2], Mendes Adriano^[2], Cartaxo Tereza^[3], Oliveira Sheilla^[1], Valle Neto Leônidas^[3], Sobral Dario^[2]

^[1]Health Sciences Centre, Federal University of Pernambuco ~ Recife ~ Brazil, ^[2]Pulmonary Hypertension Reference Centre, University of Pernambuco ~ Recife ~ Brazil, ^[3]Biological Sciences Institute, University of Pernambuco ~ Recife ~ Brazil

WHICH MECHANISMS AND BIOMARKERS CAN PREDICT FUNCTIONAL CAPACITY ON PULMONARY ARTERIAL HYPERTENSION?

Plácido Rui^[1], Silva Marques João^[1], Robalo Martins Susana^[1], Jorge Cláudia^[1], Calisto Carina^[1], Gonçalves Susana^[1], Ribeiro Sónia^[1], Almeida Ana^[1], Nunes Diogo António^[1]

^[1]Hospital de Santa Maria ~ Lisboa ~ Portugal

NEW AND OLD BIOMARKERS FOR PROGNOSIS STRATIFICATION IN PULMONARY ARTERIAL HYPERTENSION

Plácido Rui^[1], Silva Marques João^[1], R. Martins Susana^[1], Jorge Cláudia^[1], Calisto Carina^[1], Gonçalves Susana^[1], Ribeiro Sónia^[1], Almeida Ana^[1], Nunes Diogo António^[1]

^[1]Hospital de Santa Maria ~ Lisboa ~ Portugal

LIPOPROTEIN-ASSOCIATED PHOSPHOLIPASE A2 AND CHOLESTEROL CAN PREDICT SURVIVAL IN PULMONARY ARTERIAL HYPERTENSION AND CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Quarck Rozenn^[1], Durand Hervé^[2], Ninio Ewa^[2], Delcroix Marion^[1]

^[1]Katholieke Universiteit Leuven ~ Belgium, ^[2]INSERM UMRS937-Faculté de Médecine Pierre et Marie Curie ~ Paris ~ France

HYPOCAPNIA A INDEPENDENT MARKER OF MORTALITY IN PULMONARY ARTERIAL HYPERTENSION PATIENTS

Ramos Roberta^[1], Vieira Machado Ferreira Eloara^[1], Valois Fabricio^[1], Silva Celia^[1], Nery Luiz^[1], Arakaki Jaquelina^[1]

^[1]Federal University of São Paulo - UNIFESP ~ São Paulo ~ Brazil

CHARACTERISTICS AND SURVIVAL OF PATIENTS WITH HEMOPTYSIS IN PULMONARY ARTERIAL HYPERTENSION

Seferian Andrei^[1], Savale Laurent^[1], Montani David^[1], Girerd Barbara^[1], Günther Sven^[1], Artaud-Macari Elise^[1], Parent Florence^[1], Sitbon Olivier^[1], Humbert Marc^[1], Simonneau Gérald^[1], Jaïs Xavier^[1]

^[1]CHU Bicêtre Service de Pneumologie et Réanimation Respiratoire, Inserm U999, DHU TORINO, Centre Chirurgical Marie Lannelongue, Université Paris-Sud ~ Paris ~ France

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

MIXED VENOUS OXYGEN TENSION AFFECTS THE PROGNOSIS ON PULMONARY HYPERTENSION EVEN IN RECENT ERA

Sekine Ayumi^[1], Tanabe Nobuhiro^[1], Suda Rika^[1], Nishimura Rintaro^[1], Jujo Takayuki^[1], Sugiura Toshihiko^[1], Sakao Seiichiro^[1], Kasahara Yasunori^[1], Tatsumi Koichiro^[1]

^[1]Department of Respiriology, Graduate School of Medicine, Chiba University ~ Chiba ~ Japan

LEFT VENTRICULAR EJECTION TIME AS A PROGNOSTIC FACTOR IN ACUTE HEART FAILURE FROM PULMONARY HYPERTENSION: A NON INVASIVE ARTERIAL TONOMETRY STUDY

Sztrymf Benjamin^[2], Günther Sven^[3], Savale Laurent^[3], Jaïs Xavier^[3], Sitbon Olivier^[3], Simonneau Gérald^[3], Humbert Marc^[3], Chemla Denis^[1]

^[1]EA 4533, Université Paris-Sud ~ Le Kremlin Bicêtre ~ France, ^[2]Service de Réanimation Médicale, Hôpital Antoine Béclère, Université Paris-Sud, Assistance Publique-Hôpitaux de Paris ~ Clamart ~ France, ^[3]Service de Pneumologie et Réanimation Respiratoire, Hôpital Bicêtre, Université Paris-Sud, Assistance Publique-Hôpitaux de Paris ~ Le Kremlin Bicêtre ~ France

SAFETY AND EFFICACY OF ACTIVE VIDEO GAMES-BASED EXERCISE TRAINING IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Tamura Yuichi^[1], Ono Tomohiko^[1], Takei Makoto^[1], Yamamoto Tsunehisa^[1], Kawakami Takashi^[1], Kataoka Masaharu^[1], Sano Motoaki^[1], Satoh Toru^[2], Fukuda Keiichi^[1]

^[1]Keio University ~ Tokyo ~ Japan, ^[2]Kyorin University ~ Tokyo ~ Japan

RISK FACTORS FOR HEMOPTYSIS IN PULMONARY HYPERTENSION

Tio Darryl^[1], Leter Edward^[1], Boerrigter Bart^[1], Boonstra Anco^[1], Vonk Noordegraaf Anton^[1], Bogaard Herman Jan^[1]

^[1]Vrije Universiteit Amsterdam ~ Netherlands

EXERCISE VENTILATORY INEFFICIENCY AS AN INDEPENDENT PREDICTOR OF MORTALITY IN PATIENTS WITH PAH

Vieira Machado Ferreira Eloara^[1], Ramos Roberta^[1], Valois Fabricio^[1], Figueiredo Priscila^[1], Arakaki Jaquelina^[1], Neder J Alberto^[1]

^[1]Federal University of São Paulo - UNIFESP ~ São Paulo ~ Brazil

SAFETY OF CARDIAC CATHETERIZATION AT A CENTER SPECIALIZED IN THE CARE OF PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Zuckerman Warren^[1], Turner Mariel E^[1], Kerstein Jason^[1], Torres Alejandro^[1], Vincent Julie A^[1], Krishnan Usha^[1], Kerstein Diane^[1], Rosenzweig Erika^[1]

^[1]Columbia University Medical Center ~ New York ~ USA

THERAPY – STANDARD OF CARE

A RANDOMIZED OPEN LABEL STUDY COMPARING FIRST-LINE TREATMENT WITH BOSENTAN OR SILDENAFIL IN PULMONARY ARTERIAL HYPERTENSION (PAH): SHORT-TERM RESULTS

Albini Alessandra^[1], Mazzanti Gaia^[1], Bachetti Cristina^[1], Terzi Francesca^[1], Palazzini Massimiliano^[1], Rizzo Nicole^[1], Dardi Fabio^[1], Rinaldi Andrea^[1], Gotti Enrico^[1], Monti Enrico^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

INFLUENCE OF PROSTACYCLIN THERAPY ON SURVIVAL IN PORTOPULMONARY HYPERTENSION: A TRANSPLANT CENTER'S ANSWER TO REVEAL REGISTRY DATA

Awdish Rana^[1], Cajigas Hector^[1]

^[1]Henry Ford Hospital ~ Detroit ~ United States

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Thursday February 28

Poster Sessions

EFFICACY OF EXERCISE TRAINING IN PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH CONGENITAL HEART DISEASE

Becker-Gruenig Tabea^[1], Ehlken Nicola^[1], Klose Hans^[2], Lichtblau Mona^[1], Nagel Christian^[1], Fischer Christine^[4], Gorenflo Matthias^[3], Tiede Henning^[5], Schranz Dietmar^[6], Hager Alfred^[7], Kaemmerer Harald^[7], Miera Oliver^[8], Speich Rudolf^[9], Ulrich Silvia^[9], Uiker Soeren^[10], Grünig Ekkehard^[1]

^[1]Centre for Pulmonary Hypertension at Thoraxklinik ~ Heidelberg ~ Germany, ^[2]Department of Pneumology, Universität Hamburg-Eppendorf ~ Hamburg ~ Germany, ^[3]Department of Pediatric Cardiology, Universität Heidelberg ~ Germany, ^[4]Institute of Human Genetics, Universität Heidelberg ~ Germany, ^[5]Department of Pneumology, Universität Giessen ~ Germany, ^[6]Pediatric Cardiology, Universität Giessen ~ Germany, ^[7]Department of Pediatric Cardiology and Congenital Heart Disease, Deutsches Herzzentrum München, Technische Universität München ~ Germany, ^[8]Clinic for Congenital Heart Disease / Pediatric Cardiology, Deutsches Herzzentrum Berlin ~ Germany, ^[9]Centre for Pulmonary Hypertension, Universitätsspital Zürich ~ Switzerland, ^[10]Rehabilitationsklinik Königstuhl Heidelberg ~ Germany

AMBRISENTAN FOR PULMONARY ARTERIAL HYPERTENSION. RESULTS IN A COHORT OF SPANISH PATIENTS

Castillo-Palma María J^[1], González-Pulido Cristina^[1], Porras-Antras Isabel^[1], González-León Rocío^[1], López-Haldón José^[2], Hinojosa-Perez Rafael^[3], Ocaña-Medina Celia^[1], García-Hernández Francisco J^[1]

^[1]Investigation Group CTS-279. Department of Internal Medicine, University Hospital Virgen del Rocío ~ Seville ~ Spain, ^[2]Department of Cardiology. University Hospital Virgen del Rocío ~ Seville ~ Spain, ^[3]Department of Critical Care. University Hospital Virgen del Rocío ~ Seville ~ Spain

ORAL MONOTHERAPY IN PATIENTS WITH PORTO-PULMONARY HYPERTENSION

Conficoni Elisa^[1], Dardi Fabio^[1], Palazzini Massimiliano^[1], Bachetti Cristina^[1], Terzi Francesca^[1], Rizzo Nicole^[1], Rinaldi Andrea^[1], Gotti Enrico^[1], Mazzanti Gaia^[1], Albini Alessandra^[1], Monti Enrico^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

EFFICACY AND SAFETY OF UP-FRONT COMBINATION THERAPY

Dardi Fabio^[1], Bachetti Cristina^[1], Terzi Francesca^[1], Rizzo Nicole^[1], Conficoni Elisa^[1], Rinaldi Andrea^[1], Gotti Enrico^[1], Mazzanti Gaia^[1], Palazzini Massimiliano^[1], Albini Alessandra^[1], Monti Enrico^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

ANTI-INFLAMMATORY EFFECTS OF EPOPROSTENOL IN RIGHT VENTRICULAR FAILURE ON ACUTE PULMONARY HYPERTENSION

Dewachter Céline^[1], Vercruyssen Marie^[1], Rondelet Benoit^[1], Schraufnagel Dean^[1], Brimioule Serge^[1], Kerbaul François^[1], Dewachter Laurence^[1], Naeije Robert^[1]

^[1]Université Libre de Bruxelles ~ Brussels ~ Belgium

COST-EFFECTIVENESS ANALYSIS OF REHABILITATION WITH EXERCISE AND RESPIRATORY THERAPY IN PULMONARY HYPERTENSION

Ehlken Nicola^[1], Verduyn Cora^[2], Tiede Henning^[3], Staehler Gerd^[4], Olschewski Horst^[5], Opitz Christian^[6], Klose Hans^[7], Wilkens Heinrike^[8], Rosenkranz Stephan^[9], Halank Michael^[10], Grünig Ekkehard^[1]

^[1]Thorax clinic at the University of Heidelberg ~ Germany, ^[2]Mapi Consultancy ~ Houten ~ Netherlands, ^[3]University of Giessen ~ Germany, ^[4]Clinic Loewenstein ~ Germany, ^[5]University of Graz ~ Austria, ^[6]DRK Kliniken Berlin Köpenick ~ Berlin ~ Germany, ^[7]University of Hamburg Eppendorf ~ Hamburg ~ Germany, ^[8]University of Homburg ~ Germany, ^[9]University of Cologne ~ Germany, ^[10]University of Dresden ~ Germany

IMPACT OF PULMONARY ARTERIAL HYPERTENSION (PAH) ON THE LIVES OF PATIENTS AND CARERS

Ferrari Pisana^[1], Armstrong Iain^[2], Aldrighetti Rino^[3], Howard Luke^[4], Ryftenuis Henrik^[5], Fischer Aryeh^[6], Lombardi Sandra^[7], Studer Sean^[8], Guillemin Loic^[9]

^[1]PHA Europe ~ Vienna ~ Austria, ^[2]PHA United Kingdom ~ Rotherham ~ United Kingdom, ^[3]PHA United States ~ Silver Spring ~ USA, ^[4]Imperial College ~ London ~ United Kingdom, ^[5]Karolinska University ~ Solna ~ Sweden, ^[6]National Jewish Health ~ Denver ~ USA, ^[7]UCSD Medical Center ~ San Diego ~ USA, ^[8]Beth Israel Medical Center ~ Newark ~ USA, ^[9]Cochin Hospital ~ Paris ~ France

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

HEMODYNAMIC ASSESSMENT OF PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION (PAH) IN THE PHASE III PATENT-1 STUDY

Galiè Nazzareno^[1], Grimmer Friedrich^[2], Grünig Ekkehard^[3], Humbert Marc^[4], Jing Zhi-Cheng^[5], Keogh Anne M.^[6], Langleben David^[7], Rubin Lewis^[8], Ochan Kilama Michael^[9], Fritsch Arno^[10], Neuser Dieter^[10], Ghofrani Hossein Ardeshir^[2]

^[1]Institute of Cardiology, University of Bologna ~ Italy, ^[2]Department of Internal Medicine, University Hospital Giessen and Marburg ~ Giessen ~ Germany, ^[3]Centre for Pulmonary Hypertension at Thoraxclinic Heidelberg, University Hospital Heidelberg ~ Germany, ^[4]Université Paris-Sud, APHP, Hôpital Bicêtre, Service de Pneumologie ~ Le Kremlin-Bicêtre ~ France, ^[5]Department of Cardio-Pulmonary Circulation, Shanghai Pulmonary Hospital, Tongji University School of Medicine ~ Shanghai ~ China, ^[6]St Vincent's Hospital ~ Sydney ~ Australia, ^[7]Center for Pulmonary Vascular Disease, Lady Davis Institute for Medical Research, Jewish General Hospital, McGill University ~ Montreal ~ Canada, ^[8]University of California, San Diego ~ La Jolla ~ United States, ^[9]Global Clinical Development Bayer HealthCare AG ~ Milan ~ Italy, ^[10]Global Clinical Development Bayer HealthCare AG ~ Wuppertal ~ Germany

BOSENTAN FOR PULMONARY ARTERIAL HYPERTENSION. RESULTS IN A COHORT OF SPANISH PATIENTS

García-Hernández Francisco J^[1], Montero-Mateos Enrique^[1], León-Guisado Antonia^[1], González-León Rocío^[1], Herruzo-Avilés Angel^[2], López-Pardo Francisco^[3], Ocaña-Medina Celia^[1], Castillo-Palma María J^[1]

^[1]Investigation Group CTS-279 Collagenosis. Department of Internal Medicine. Hospital Virgen del Rocío. ~ Sevilla ~ Spain, ^[2]Department of Critical Care. University Hospital Virgen del Rocío ~ Sevilla ~ Spain, ^[3]Department of Cardiology. University Hospital Virgen del Rocío ~ Sevilla ~ Spain

PROPEL – PROSPECTIVE REGISTRY OF PARENTERAL PROSTANOID

Jansa Pavel^[1], Kandrnal Vit^[2], Votavova Regina^[1], Mangold Andreas^[3], Al-hiti Hikmet^[4], Goncalvesova Eva^[5], Studencan Martin^[6], Podracky Juraj^[6], Simkova Iveta^[7], Mizia-Stec Katarzyna^[8], Kozieradzka Anna^[9], Nowacka Magdalena^[10], Jarkovsky Jiri^[2], Dusek Ladislav^[2], Lang Irene^[3]

^[1]General University Hospital ~ Prague ~ Czech Republic, ^[2]Institute of Biostatistics and Analyses ~ Brno ~ Czech Republic, ^[3]Medical University of Vienna ~ Austria, ^[4]Institute of Clinical and Experimental Medicine ~ Prague ~ Czech Republic, ^[5]The National Institute of Cardiovascular Diseases ~ Bratislava ~ Slovakia, ^[6]East Slovak Institute of Cardiovascular Disease ~ Kosice ~ Slovakia, ^[7]Medical Faculty of Slovak Medical University ~ Bratislava ~ Slovakia, ^[8]II Department of Cardiology GCM ~ Katowice ~ Poland, ^[9]Medic University of Białystok – Department of Cardiology ~ Białystok ~ Poland, ^[10]Cardiovascular Diseases Department J.P.II ~ Krakow ~ Poland

LUNG AND HEART-LUNG TRANSPLANTATION FOR SYSTEMIC SCLEROSIS PATIENTS

Launay David^[1], Savale Laurent^[2], Berezne Alice^[3], Mercier Olaf^[4], Mouthon Luc^[3], Hachulla Eric^[1], Fadel Elie^[4], Le Pavec Jérôme^[4], Sitbon Olivier^[2], Darteville Philippe^[4], Guillevin Loïc^[3], Simonneau Gérald^[2], Humbert Marc^[2], Mussot Sacha^[4]

^[1]CHRU ~ Lille ~ France, ^[2]CHU Bicêtre. Université Paris Sud. ~ Le Kremlin Bicêtre ~ France, ^[3]CHU Cochin ~ Paris ~ France, ^[4]Centre chirurgical Marie Lannelongue ~ Le Plessis Robinson ~ France

SURVIVAL IN INCIDENT PAH PATIENTS IN THE ERA OF TARGETED TREATMENT: A SINGLE CENTRE EXPERIENCE FROM CENTRAL-EASTERN EUROPE

Luknár Milan^[1], Liška Branislav^[2], Lesný Peter^[1], Varga Ivan^[1], Soubrier Florent^[1], Goncalvesová Eva^[1]

^[1]National Cardiovascular Institute ~ Bratislava ~ Slovakia, ^[2]Kliniken Nordoberpfalz, Klinikum Weiden ~ Germany

EXERCISE TRAINING IN PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH CONNECTIVE TISSUE DISEASES

Maier Felicitas C^[3], Ehlken Nicola^[3], Nagel Christian^[3], Lichtblau Mona^[3], Fischer Christine^[1], Blank Norbert^[2], Grünig Ekkehard^[3]

^[1]Departments of Human Genetics ~ Heidelberg ~ Germany, ^[2]Department of Rheumatology ~ Heidelberg ~ Germany, ^[3]Thoracic Clinic of the University ~ Heidelberg ~ Germany

LUNG TRANSPLANTATION IN PATIENTS WITH PULMONARY HYPERTENSION: A RETROSPECTIVE SINGLE CENTER EXPERIENCE

Nierlich Patrick^[1], Jaksch Peter^[1], Ghanim Bahil^[1], Aigner Clemens^[1], Lang Georg^[1], Taghavi Shahrokh^[1], Klepetko Walter^[1]

^[1]Division of Thoracic Surgery, Department of Surgery ~ Medical University Vienna ~ Austria

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

Thursday February 28

NEW INSIGHT AND OUR CLINICAL EXPERIENCES:TREATING PULMONARY HYPERTENSION IN LIVER FAILURE

Rankovic Ivan^[1], Stojkovic Milica^[1], Pavlovic Markovic Aleksandra^[1], Culafic Djordje^[1], Popovic Dragan^[1], Spuran Milan^[1], Jovicic Ivana^[1], Jovanovic Ivan^[1], Krstic Miodrag^[1], Rajic Zoran^[2], Pesko Predrag^[3], Milosavljevic Tomica^[1]

^[1]Clinical Center of Serbia, Clinic for Gastroenterology ~ Belgrade ~ Serbia, ^[2]Clinical Center of Serbia, Clinic for Haematology ~ Belgrade ~ Serbia, ^[3]Clinical Center of Serbia, Clinic for Digestive Surgery ~ Belgrade ~ Serbia

COMPARISON OF CLINICAL, FUNCTIONAL AND HAEMODYNAMIC CHARACTERISTICS OF PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH PORTAL HYPERTENSION, HIV INFECTION OR BOTH

Rizzo Nicole^[1], Bachetti Cristina^[1], Palazzini Massimiliano^[1], Terzi Francesca^[1], Conficoni Elisa^[1], Dardi Fabio^[1], Rinaldi Andrea^[1], Gotti Enrico^[1], Mazzanti Gaia^[1], Albini Alessandra^[1], Monti Enrico^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO) AS A NOVEL AND EMERGING BRIDGING STRATEGY IN IDIOPATHIC PULMONARY HYPERTENSION (IPAH)/ASSOCIATED PULMONARY HYPERTENSION (APAH)

Rosenzweig Erika^[1], Brodie Daniel^[1], Abrams Darryl^[1], Agerstrand Cara^[1], Bacchetta Matthew^[1]

^[1]Columbia University ~ New York ~ USA

INTERACTION OF PDE5 INHIBITORS WITH PROSTACYCLIN AND GUANYLATE CYCLASE ACTIVATORS ON CELL PROLIFERATION OF SMOOTH MUSCLE IN PAH

Rupasinghe Binara^[1], Clapp Lucie^[1], Hobbs Adrian^[2], Abraham David^[1]

^[1]Division of Medicine, University College London ~ United Kingdom, ^[2]Barts & The London School of Medicine & Dentistry, Queen Mary University of London ~ United Kingdom

OUTCOME OF CANDIDATES FOR LIVER TRANSPLANTATION SUFFERING FROM PORTOPULMONARY HYPERTENSION

Savale Laurent^[1], Sattler Caroline^[1], Magnier Romain^[2], Jaïs Xavier^[1], Parent Florence^[1], Artaud-Macari Elise^[1], Günther Sven^[1], Montani David^[1], Humbert Marc^[1], Simonneau Gérald^[1], Sitbon Olivier^[1]

^[1]CHU Bicêtre, Université Paris-Sud ~ Le Kremlin Bicêtre ~ France, ^[2]CHRU Caen ~ France

INTRAVENOUS SILDENAFIL - NEW ROLE FOR A NOT SO NEW DRUG?

Shekar Kiran^[1], Buschel Rachel^[1], Kermeen Fiona^[1]

^[1]The Prince Charles Hospital ~ Brisbane ~ Australia

ASYMMETRIC DIMETHYLARGININE, A BIOMARKER FOR THE EFFECTS OF DRUG THERAPY IN PULMONARY HYPERTENSION

Skoro-Sajer Nika^[1], Aschauer Stefan^[2], Hlavin Gerald^[3], Wolzt Michael^[2], Sadushi-Kolici Roela^[1], Lang Irene^[1]

^[1]Department of Internal Medicine, Division of Cardiology, Medical University of Vienna ~ Austria, ^[2]Department of Clinical Pharmacology, Medical University of Vienna ~ Austria, ^[3]Section of Medical Statistics, Medical University of Vienna ~ Austria

MORTALITY REVIEW OF PULMONARY ARTERIAL HYPERTENSION PATIENTS ON IV PROSTACYCLIN ANALOGUES

Spikes Leslie^[1], Maalouf Najla^[1], Satterwhite Lewis^[1], Westhoff Ryan^[1], Landzaat Lindy^[1], Williamson Timothy^[1]

^[1]University of Kansas Medical Center ~ Kansas City ~ USA

330 PATIENT MONTHS WITH INTRAVENOUS TREPROSTINIL AND LENUS PRO - A MULTICENTER SAFETY ANALYSIS

Steringer-Mascherbauer Regina^[1], Andreassen Arne K^[2], Hohenforst-Schmidt Wolfgang^[3], Jansa Pavel^[4], Ewert Ralf^[5]

^[1]KH Elisabethinen ~ Linz ~ Austria, ^[2]Oslo University Hospital ~ Oslo ~ Norway, ^[3]Medical Hospital Coburg ~ Germany, ^[4]Charles University, 1st Faculty of Medicines Prague ~ Czech Republic, ^[5]University Hospital Greifswald ~ Germany

INTRAVENOUS TREPROSTINIL IN PAH: A NOVEL „SURGICAL“ APPROACH

Steringer-Mascherbauer Regina^[1], Fuegger Reinhold^[1], Froeschl Uwe^[1], Eder Veronika^[1], Huber Charlotte^[1], Nesser Hans-Joachim^[1]

^[1]KH Elisabethinen ~ Linz ~ Austria

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

G PROTEIN β 3 SUBUNIT GNB3 C825T POLYMORPHISM AFFECTS THE EFFICACY OF SILDENAFIL ON PULMONARY HYPERTENSION

Tanabe Nobuhiro^[1], Sekine Ayako^[1], Sugiura Toshihiko^[1], Nishimura Rintaro^[1], Jujo Takayuki^[1], Ichimura Yasunori^[1], Sakao Seiichiro^[1], Kasahara Yasunori^[1], Tatsumi Koichiro^[1]

^[1]Graduate School of Medicine, Chiba University ~ Chiba ~ Japan

THE LESS-STRICK CRITERIA OF PULMONARY ARTERY VASOREACTIVITY PREDICTS TREATMENT EFFICACY IN PATIENTS WITH PULMONARY HYPERTENSION

Toyao Kaori^[1], Taguchi Hiroki^[1], Yanagisawa Ryoji^[1], Shimura Nobuhiko^[1], Inami Takumi^[1], Ishiguro Haruhisa^[1], Kataoka Masaharu^[1], Yoshino Hideaki^[1], Satoh Toru^[1]

^[1]Division of Cardiology, Department of Medicine, Kyorin University School of Medicine ~ Tokyo ~ Japan

OUTCOMES OF SYSTEMIC SCLEROSIS PATIENTS WITH EXERCISE INDUCED PULMONARY ARTERIAL HYPERTENSION TREATED WITH ADVANCED THERAPIES

Treleaven Jeanette^[1], Fowler Robin^[1], Gabbay Eli^[1]

^[1]Royal Perth Hospital ~ Perth ~ Australia

PREVALENCE OF DEPRESSION, ANXIETY AND STRESS IN ADULT PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION (PAH) AND THEIR IMPACT ON THE HEALTH RELATED QUALITY OF LIFE (QOL)

Vandeveldt Ellen^[1], Vanhoof Jasper^[2], Wuyts Wim^[1], Dobbels Fabienne^[2], Delcroix Marion^[1]

^[1]University Hospitals of Leuven ~ Belgium, ^[2]University of Leuven ~ Belgium

EVALUATION OF ANXIETY AND DEPRESSION IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Yorke Janelle^[1], Campbell Malcolm^[1], Armstrong Iain^[2]

^[1]University of Manchester ~ United Kingdom, ^[2]Royal Hallamshire Hospital and PHA UK ~ Sheffield ~ United Kingdom

RECURRENCE OF PAH TWENTY TWO YEARS AFTER SINGLE LUNG TRANSPLANTATION

Zhao Yidan^[1], Yun Hanna^[1], Lu Catherine^[1], Peng Jenny^[1], Wu Licun^[1], Granton John^[1], De Perrot Marc^[1]

^[1]University Health Network ~ Toronto ~ Canada

THERAPY - GOALS

A QUALITATIVE INVESTIGATION OF PATIENTS' EXPERIENCES OF LIVING WITH PULMONARY HYPERTENSION

Armstrong Iain^[1], Yorke Janelle^[2]

^[1]Royal Hallamshire Hospital and PHA UK ~ Sheffield ~ United Kingdom, ^[2]University of Manchester ~ United Kingdom

THE GOAL OF THE EPOPROSTENOL THERAPY IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Kikuchi Hanako^[1], Taguchi Hiroki^[1], Yanagisawa Ryoji^[1], Shimura Nobuhiko^[1], Inami Takumi^[1], Ishiguro Haruhisa^[1], Kataoka Masaharu^[1], Yoshino Hideaki^[1], Satoh Toru^[1]

^[1]Division of Cardiology, Department of Medicine, Kyorin University School of Medicine ~ Tokyo ~ Japan

METHODS FOR CONSIDERING TREATMENT EFFECTS ON MULTIPLE ENDPOINTS WHEN DEFINING PATIENT RESPONSE IN PAH CLINICAL TRIALS

Kittelson John^[3], Dusek Alex^[1], Badesch David B^[2]

^[1]Bayer Health Care Pharmaceuticals ~ Berlin ~ Germany, ^[2]Pulmonary Sciences and Critical Care Medicine, University of Colorado Denver ~ Aurora, Colorado ~ USA, ^[3]Professor Department of Biostatistics and Informatics, Colorado School of Public Health, University of Colorado Denver ~ Aurora, Colorado ~ USA

Thursday February 28

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Friday March]

Poster Sessions

FRIDAY, MARCH 1

NEW TRIALS DESIGN AND NEW THERAPIES

ACUTE HEMODYANMIC RESPONSE TO INHALED NITRITE IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Bachman Tim^[1], Longhini Anthony^[1], Pogozelski Andrew^[1], White Pamela^[1], Edelman Kathy^[1], Risbano Michael^[1], Simon Marc^[1], Shiva Sruti^[1], Gladwin Mark^[1], Champion Hunter^[1]

^[1]University of Pittsburgh ~ USA

(-)EPICATECHIN MIGHT HAVE BENEFICIAL EFFECTS IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Barnett Christopher^[1], McGlothlin Dana^[1], De Marco Teresa^[1]

^[1]University of California San Francisco ~ San Francisco ~ United States

PERCUTANEOUS GENE TRANSFER TO THE PULMONARY VASCULATURE OF SWINE

Benza Raymond^[1], Murali Srinivas^[1], Sokos George^[1], Geguchadze Ramaz^[1], Passineau Michael^[1]

^[1]West Penn Allegheny Health System ~ Pittsburgh ~ United States

THE PI 3-KINASE ISOFORM P110 ALPHA REPRESENTS A PROMISING THERAPEUTIC TARGET FOR PULMONARY ARTERIAL HYPERTENSION

Berghausen Eva Maria^[1], Janssen Wiebke^[2], Vantler Marius^[1], Ten Freyhaus Henrik^[1], Zhao Jean J^[3], Schermuly Ralph Theo^[2], Rosenkranz Stephan^[1]

^[1]University Hospital of Cologne ~ Germany, ^[2]University of Giessen Lung Center ~ Giessen ~ Germany, ^[3]Dana-Farber Cancer Institute ~ Boston ~ USA

UPDATE ON DASATINIB RELATED PULMONARY ARTERIAL HYPERTENSION

Montani David^[1], Bergot Emmanuel^[1], Günther Sven^[1], Savale Laurent^[1], Bergeron Anne^[1], Bourdin Arnaud^[1], Canuet Matthieu^[1], Pison Christophe^[1], Macro Margareth^[1], Poubeau Patrice^[1], Girerd Barbara^[1], Prevot Grégoire^[1], Guignabert Christophe^[1], Perros Frédéric^[1], Jaïs Xavier^[1], Zalcman Gérard^[1], Sitbon Olivier^[1], Simonneau Gérald^[1], Humbert Marc^[1]

^[1]Réseau Français de l'HTAP, Centre de référence de l'HTAP, Service de Pneumologie, Hôpital de Bicêtre ~ Le Kremlin Bicêtre ~ France

SYNERGISTIC EFFECT OF IMATINIB AND SILDENAFIL ON AMELIORATION OF PULMONARY HYPERTENSION - ROLE OF BONE MORPHOGENIC PROTEIN (BMP)-SIGNALING PATHWAY

Pullamsetti Soni Savai^[1], Berk Joachim^[2], Scheidl Sandra^[2], Kojonazarov Baktybek^[2], Weissmann Norbert^[2], Grimminger Friedrich^[2], Seeger Werner^[2], Ghofrani Hossein Ardeschir^[2], Butrous Ghazwan^[3], Schermuly Ralph Theo^[2]

^[1]Max Planck Institute for Heart and Lung Research ~ Bad Nauheim ~ Germany, ^[2]Universities of Giessen and Marburg Lung Center ~ Giessen ~ Germany, ^[3]University of Kent ~ United Kingdom

THE CASE OF THE EFFECTIVE APPLICATION OF AUTOLOGOUS MESENCHYMAL STEM CELLS IN PATIENT WITH EISENMENGER SYNDROME

Salakhova Ganna^[1], Popandopulo Andrew^[1]

^[1]Institute of Urgent and Recovery Surgery ~ Donetsk ~ Ukraine

EFFECTS OF BROAD SPECTRUM TYROSIN KINASE INHIBITOR IN EXPERIMENTAL PULMONARY HYPERTENSION

Seferian Andrei^[1], Tu Ly^[2], Huertas Alice^[2], Phan Carole^[2], Ricard Nicolas^[2], Perros Frédéric^[2], Simonneau Gérald^[1], Humbert Marc^[1], Montani David^[1], Guignabert Christophe^[2]

^[1]CHU Bicêtre Service de Pneumologie et Réanimation Respiratoire, Inserm U999, DHU TORINO, Centre Chirurgical Marie Lannelongue, Université Paris-Sud ~ Paris ~ France, ^[2]INSERM U999, LabEx LERMIT, DHU TORINO, Centre Chirurgical Marie Lannelongue, Université Paris-Sud ~ Paris ~ France

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions CTEPH

COMPARISON OF CLINICAL OUTCOMES ACCORDING TO TREATMENT STRATEGY IN PATIENTS WITH ACUTE INTERMEDIATE-RISK PULMONARY THROMBOEMBOLISM

Ahn Jinhee^[1], Choi Jung Hyun^[1], Im Kyung Min^[1], Yang Mi Jin^[2]

^[1]Pusan National University Hospital ~ Busan ~ Korea, Republic of, ^[2]Busan Medical Center ~ Busan ~ Korea, Republic of

PULMONARY EMBOLISM IN SWEDEN, ANALYSIS OF A NATIONAL COHORT. INCIDENCE OF CTEPH AND ITS DETERMINANTS

Andersson Therese^[1], Larsen Flemming^[2], Carlberg Bo^[3], Söderberg Stefan^[1]

^[1]Dept of Public Health and Clinical Medicine, Cardiology, Umeå University ~ Sweden, ^[2]Karolinska Institute ~ Stockholm ~ Sweden, ^[3]Dept of Public Health and Clinical Medicine, Medicine, Umeå University ~ Sweden

BALLOON PULMONARY ANGIOPLASTY IN CHRONIC THROMBOEMBOLIC DISEASE – AN INTERVENTION IN PATIENTS WITH DENIED OR UNSUCCESSFUL THROMBENDARTERECTOMY

Andreassen Arne K^[1], Ragnarsson Asgrímur^[1], Gude Einar^[1], Geiran Odd^[1], Andersen Rune^[1]

^[1]Oslo University Hospital Rikshospitalet ~ Oslo ~ Norway

PULMONARY HEMODYNAMIC BENEFIT IS ACHIEVED WITH RESECTION OF SEGMENTAL-LEVEL (JAMIESON TYPE III) CHRONIC THROMBOEMBOLIC DISEASE

Auger William R^[1], Madani Michael^[1], Kim Nick H^[1], Fedullo Peter F^[1], Kerr Kim^[1], Pretorius Victor^[1], Fernandes Timothy^[1],

Jamieson Stuart W^[1]

^[1]University of California San Diego ~ La Jolla, CA ~ USA

CLINICAL AND EPIDEMIOLOGIC ANALYSIS OF PATIENTS UNDERGOING PULMONARY ENDARTERECTOMY IN ARGENTINA

Favaloro Roberto^[1], Peradejordi Margarita^[1], Favaloro Liliana^[1], Cáneva Jorge^[1], Klein Francisco^[1], Talavera Luján^[1], Bertolotti Alejandro^[1]

^[1]Favaloro Foundation, University Hospital ~ Buenos Aires ~ Argentina

PULMONARY ENDARTERECTOMY: 19 YEAR FOLLOW-UP. SINGLE CENTER EXPERIENCE

Favaloro Roberto^[1], Peradejordi Margarita^[1], Bertolotti Alejandro^[1], Favaloro Liliana^[1], Gómez Carmen^[1], Cáneva Jorge^[1], Klein Francisco^[1], Talavera Luján^[1]

^[1]Favaloro Foundation, University Hospital ~ Buenos Aires ~ Argentina

EFFECTS OF PERCUTANEOUS TRANSLUMINAL PULMONARY ANGIOPLASTY ON PULMONARY HEMODYNAMICS AND LONG-TERM PROGNOSIS OF PATIENTS WITH DISTAL-TYPE CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Fukumoto Yoshihiro^[1], Sugimura Koichiro^[1], Nochioka Kotaro^[1], Miura Yutaka^[1], Aoki Tatsuo^[1], Tatebe Shunsuke^[1], Miyamichi-Yamamoto Saori^[1], Shimokawa Hiroaki^[1]

^[1]Tohoku University Graduate School of Medicine ~ Sendai ~ Japan

EFFECTS OF MEDICAL TREATMENT FOR OPERABLE AND INOPERABLE CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION PATIENTS

Gotti Enrico^[1], Terzi Francesca^[1], Bachetti Cristina^[1], Conficoni Elisa^[1], Rizzo Nicole^[1], Dardi Fabio^[1], Rinaldi Andrea^[1], Mazzanti Gaia^[1], Monti Enrico^[1], Albini Alessandra^[1], Palazzini Massimiliano^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

Friday March 1

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Friday March]

Poster Sessions

ANXIETY AND DEPRESSION DISORDERS IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION AND CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Grünig Ekkehard^[1], Peña Pinado Fabiola^[1], Ehlken Nicola^[1], Nagel Christian^[1], Fischer Christine^[1], Tiede Henning^[2], Rosenkranz Stephan^[3], Seyfarth Hans-Jürgen^[4], Mayer Eckhard^[5], Halank Michael^[6], Guth Stefan^[5]

^[1]University of Heidelberg ~ Germany, ^[2]University of Giessen ~ Germany, ^[3]University of Cologne ~ Germany, ^[4]University of Leipzig ~ Germany, ^[5]Kerckhoff-Clinic ~ Bad Nauheim ~ Germany, ^[6]University of Dresden ~ Germany

PREVALENCE OF CHRONIC-THROMBOEMBOLIC PULMONARY HYPERTENSION AFTER PULMONARY EMBOLISM: A PROSPECTIVE MULTICENTER COHORT STUDY

Guérin Laurent^[1], Couturaud Francis^[2], Parent Florence^[3], Revel Marie-Pierre^[4], Gillaizeau Florence^[1], Simonneau Gérald^[3], Meyer Guy^[1], Sanchez Olivier^[1]

^[1]Université Paris Descartes; Service de Pneumologie et Soins Intensifs, Hôpital Européen Georges Pompidou, APHP ~ Paris ~ France, ^[2]Université Européenne de Bretagne, Université de Brest, EA3878, IFR148, et Département de Médecine Interne et de Pneumologie, CHU de La Cavale Blanche ~ Brest ~ France, ^[3]Université Paris-Sud; APHP, Service de Pneumologie, Hôpital Bicêtre, Le Kremlin Bicêtre ~ France, ^[4]Université Paris Descartes, Sorbonne Paris Cité; APHP, Service de Radiologie, Hôpital Européen Georges Pompidou ~ Paris ~ France

EFFICACY OF PERCUTANEOUS TRANSLUMINAL PULMONARY ANGIOPLASTY FOR THE PATIENTS WITH CHRONIC THROMBO-EMBOLIC PULMONARY HYPERTENSION WHO HAVE RESIDUAL PULMONARY ARTERIAL HYPERTENSION AFTER PULMONARY ENDARTERECTOMY

Inami Takumi^[1], Kataoka Masaharu^[1], Shimura Nobuhiko^[1], Yanagisawa Ryoji^[1], Taguchi Hiroki^[1], Ishiguro Haruhisa^[1], Hayashida Kentaro^[3], Tamura Yuichi^[2], Kawakami Takashi^[2], Yoshino Hideaki^[1], Satoh Toru^[1]

^[1]Kyorin University School of Medicine ~ Tokyo ~ Japan, ^[2]Keio University School of Medicine ~ Tokyo ~ Japan, ^[3]Institut cardiovasculaire Paris-Sud ~ Massy ~ France

PREDICTIVE NEW INDEX OF REPERFUSION PULMONARY EDEMA IN PERCUTANEOUS TRANSLUMINAL PULMONARY ANGIOPLASTY FOR THE TREATMENT OF CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Inami Takumi^[1], Kataoka Masaharu^[1], Shimura Nobuhiko^[1], Yanagisawa Ryoji^[1], Taguchi Hiroki^[1], Ishiguro Haruhisa^[1], Hayashida Kentaro^[2], Kawakami Takashi^[3], Tamura Yuichi^[3], Yoshino Hideaki^[1], Satoh Toru^[1]

^[1]Kyorin University School of Medicine ~ Tokyo ~ Japan, ^[2]Institut Cardiovasculaire Paris-Sud ~ Massy ~ France, ^[3]Keio University School of Medicine ~ Tokyo ~ Japan

ANGIOGRAPHIC FLOW GRADE IS USEFUL TO DETERMINE THE ENDPOINT IN PERCUTANEOUS TRANSLUMINAL PULMONARY ANGIOPLASTY

Inami Takumi^[1], Kataoka Masaharu^[1], Shimura Nobuhiko^[1], Yanagisawa Ryoji^[1], Taguchi Hiroki^[1], Ishiguro Haruhisa^[1], Hayashida Kentaro^[2], Kawakami Takashi^[3], Tamura Yuichi^[3], Yoshino Hideaki^[1], Satoh Toru^[1]

^[1]Kyorin University School of Medicine ~ Tokyo ~ Japan, ^[2]Institut Cardiovasculaire Paris-Sud ~ Massy ~ France, ^[3]Keio University School of Medicine ~ Tokyo ~ Japan

PULMONARY ARTERY SARCOMA: A SINGLE CENTER CASE SERIES WITH 40 PATIENTS

Kerr Kim^[1], La Vine David^[1], Lin Grace^[1], Auger William R^[1], Fedullo Peter F^[1], Kim Nick H^[1], Jamieson Stuart W^[1], Poch David^[1], Madani Michael^[1]

^[1]University of California San Diego ~ La Jolla, CA ~ USA

MANAGEMENT OF AIRWAY BLEEDING DURING PULMONARY ENDARTERECTOMY

Morsolini Marco^[4], Mattiucci Gabriella^[1], Vistarini Nicola^[1], Valsecchi Federica^[2], Salati Maurizio^[1], Orlandoni Giulio^[3], D'Armini Andrea Maria^[1]

^[1]University of Pavia School of Medicine Division of Cardiac Surgery ~ Pavia ~ Italy, ^[2]University of Pavia School of Medicine Intensive Care Unit III ~ Pavia ~ Italy, ^[3]University of Pavia School of Medicine Unit of Thoracic Surgery ~ Pavia ~ Italy, ^[4]University of Pavia School of Medicine Department of Surgery, Division of Cardiac Surgery ~ Pavia ~ Italy

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

PULMONARY ENDARTERECTOMY IN PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION PRESENTING WITH WHO II SYMPTOMS

Morsolini Marco^[1], Mattiucci Gabriella^[2], Vistarini Nicola^[2], Monterosso Cristian^[2], Silvaggio Giuseppe^[2], Ghio Stefano^[3], D'Armini Andrea Maria^[2]

^[1]University of Pavia School of Medicine Department of Surgery, Division of Cardiac Surgery ~ Pavia ~ Italy, ^[2]University of Pavia School of Medicine Division of Cardiac Surgery ~ Pavia ~ Italy, ^[3]University of Pavia School of Medicine Division of Cardiology ~ Pavia ~ Italy

EXTRACORPOREAL MEMBRANE OXYGENATION SUPPORT EARLY AFTER PULMONARY ENDARTERECTOMY

Morsolini Marco^[1], Vistarini Nicola^[2], Degani Antonella^[3], Cattadori Barbara^[2], Pellegrini Carlo^[2], Goggi Claudio^[2], D'Armini Andrea Maria^[2]

^[1]University of Pavia School of Medicine Department of Surgery, Division of Cardiac Surgery ~ Pavia ~ Italy, ^[2]University of Pavia School of Medicine Division of Cardiac Surgery ~ Pavia ~ Italy, ^[3]University of Pavia School of Medicine Unit of Cardiovascular Perfusion ~ Pavia ~ Italy

SURGICAL TREATMENT OF CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: 20 YEARS OF EXPERIENCE FROM A SINGLE CENTER

Nierlich Patrick^[1], Taghavi Shahrokh^[1], Hoda Mir Ali Reza^[1], Ghanim Bahil^[1], Skoro-Sajer Nika^[2], Lang Irene^[2], Klepetko Walter^[1]

^[1]Division of Thoracic Surgery, Department of Surgery, Medical University Vienna ~ Austria, ^[2]Division of Cardiology, Department of Internal Medicine, Medical University Vienna ~ Austria

PREVALENCE OF VQ SCAN UTILIZATION AND MEDICAL THERAPY TRIAL IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: UCSD REFERRAL CENTER EXPERIENCE

Poch David^[1], Kerr Kim^[1], Auger William R^[1], Fedullo Peter F^[1], Mandel Jess^[1], Pretorius Victor^[1], Jamieson Stuart W^[1], Madani Michael^[1], Kim Nick H^[1]

^[1]University of California San Diego ~ La Jolla, CA ~ United States

SHOULD WE OFFER PULMONARY ENDARTERECTOMY TO OCTOGENARIANS?

Pretorius Victor^[1], Poch David^[1], Auger William R^[1], Kerr Kim^[1], Fedullo Peter F^[1], Kim Hyong^[1], Madani Michael^[1], Jamieson Stuart W^[1]

^[1]University of California ~ San Diego ~ United States

DIFFERENT SURVIVAL IN PATIENTS WITH OPERABLE AND INOPERABLE CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: A SINGLE CENTER EXPERIENCE

Rinaldi Andrea^[1], Gotti Enrico^[1], Terzi Francesca^[1], Bachetti Cristina^[1], Conficoni Elisa^[1], Rizzo Nicole^[1], Dardi Fabio^[1], Mazzanti Gaia^[1], Albini Alessandra^[1], Monti Enrico^[1], Palazzini Massimiliano^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

CLINICAL WORSENING ASSESSMENT FOLLOWING PULMONARY ENDARTERECTOMY IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Schölzel Bas^[1], Post Marco^[1], Plokker Thijs^[1], Snijder Repke^[1], Budts Werner^[2], Morshuis Wim^[1], Wuyts Wim^[2], Meyns Bart^[2], Delcroix Marion^[2]

^[1]St. Antonius Hospital ~ Nieuwegein ~ Netherlands, ^[2]University Hospitals ~ Leuven ~ Belgium

PREDICTION OF OUTCOME AFTER PULMONARY THROMBO-ENDARTERECTOMY IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION BY USING INDEXED PULMONARY ARTERY DIAMETER

Schölzel Bas^[1], Post Marco^[1], Dymarkowski Steven^[2], Wuyts Wim^[2], Meyns Bart^[2], Budts Werner^[2], Morshuis Wim^[1], Snijder Repke^[1], Delcroix Marion^[2]

^[1]St. Antonius Hospital ~ Nieuwegein ~ Netherlands, ^[2]University Hospitals ~ Leuven ~ Belgium

Friday March 1

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Friday March]

Poster Sessions

PREDICTION OF HEMODYNAMIC IMPROVEMENT AFTER PULMONARY ENDARTERECTOMY IN CHRONIC THROMBO-EMBOLIC PULMONARY HYPERTENSION USING OCCLUSION PRESSURE ANALYSIS

Schölzel Bas^[1], Post Marco^[1], Fesler Pierre^[2], Van De Bruaene Alexander^[3], Dymarkowski Steven^[3], Wuyts Wim^[3], Meyns Bart^[3], Budts Werner^[3], Delcroix Marion^[3]

^[1]St. Antonius Hospital ~ Nieuwegein ~ Netherlands, ^[2]Hôpital Lapeyronie ~ Montpellier ~ France, ^[3]University Hospitals ~ Leuven ~ Belgium

PREDICTION OF HEMODYNAMIC IMPROVEMENT AFTER PULMONARY ENDARTERECTOMY IN CHRONIC THROMBO-EMBOLIC PULMONARY HYPERTENSION USING NON-INVASIVE IMAGING

Schölzel Bas^[1], Post Marco^[1], Van De Bruaene Alexander^[2], Dymarkowski Steven^[2], Wuyts Wim^[2], Meyns Bart^[2], Budts Werner^[2], Delcroix Marion^[2]

^[1]St. Antonius Hospital ~ Nieuwegein ~ Netherlands, ^[2]University Hospitals ~ Leuven ~ Belgium

REFINED BALLOON PULMONARY ANGIOPLASTY AS A PROMISING OPTION FOR INOPERABLE PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Shimokawahara Hiroto^[1], Ogawa Aiko^[1], Mizoguchi Hiroki^[1], Munemasa Mitsuru^[1], Miyaji Katsumasa^[1], Matsubara Hiromi^[1]

^[1]National Hospital Organization Okayama Medical Center ~ Okayama ~ Japan

INTERLEUKINE-6 IS A USEFUL MARKER FOR IDENTIFYING HEMODYNAMICS AND PREDICTING REPERFUSION PULMONARY EDEMA AFTER ANGIOPLASTY IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Shimura Nobuhiko^[1], Inami Takumi^[1], Kataoka Masaharu^[1], Yanagisawa Ryoji^[1], Taguchi Hiroki^[1], Ishiguro Haruhisa^[1], Hayashida Kentaro^[2], Kawakami Takashi^[3], Tamura Yuichi^[3], Yoshino Hideaki^[1], Satoh Toru^[1], Kimura Go^[1], Isaka Aoi^[1]

^[1]Kyorin University School of Medicine ~ Tokyo ~ Japan, ^[2]Institut Cardiovasculaire Paris-Sud ~ Massy ~ France, ^[3]Keio University School of Medicine ~ Tokyo ~ Japan

ELECTROCARDIOGRAPHY PROPERLY REFLECTS THE CHANGES OF RIGHT-SIDED HEART OVERLOAD IN PATIENTS WITH CHRONIC PULMONARY THROMBOEMBOLISM TREATED BY PERCUTANEOUS TRANSLUMINAL PULMONARY ANGIOPLASTY

Shimura Nobuhiko^[1], Inami Takumi^[1], Kataoka Masaharu^[1], Yanagisawa Ryoji^[1], Ishiguro Haruhisa^[1], Hayashida Kentaro^[2], Taguchi Hiroki^[1], Kawakami Takashi^[3], Tamura Yuichi^[3], Yoshino Hideaki^[1], Satoh Toru^[1]

^[1]Kyorin University School of Medicine ~ Tokyo ~ Japan, ^[2]Institut Cardiovasculaire Paris-Sud ~ Massy ~ France, ^[3]Keio University School of Medicine ~ Tokyo ~ Japan

CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: IS THERE A PARAMETER ABLE TO PREDICT SURGICAL INDICATION?

Silva Doroteia^[1], Garrido-Lestache Elvira Barrios^[2], Alonso Catherina Sergio^[2], Flox Camacho Ángela^[2], Velázquez Martín María Teresa^[2], Ruiz Cano María José^[2], Escribano Pilar^[2], Gómez Sánchez Miguel Angel^[2], Cortina José María^[2]

^[1]Santa Maria University Hospital ~ Lisbon ~ Portugal, ^[2]12 de Octubre University Hospital ~ Madrid ~ Spain

RIOCIGUAT FOR THE TREATMENT OF CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION (CTEPH): A PHASE 3 LONG-TERM EXTENSION STUDY (CHEST-2)

Simonneau Gérald^[1], D'Armini Andrea Maria^[2], Ghofrani Hossein Ardeschir^[3], Grimminger Friedrich^[3], Hoeper Marius M^[4], Jansa Pavel^[5], Kim Nick H^[6], Wang Chen^[7], Wilkins Martin^[8], Fritsch Arno^[9], Neuser Dieter^[9], Weimann Gerrit^[9], Mayer Eckhard^[10]

^[1]Centre National de Référence de l'Hypertension Pulmonaire Sévère, Department of Pneumology and Intensive Care Medicine, Hôpital Kremlin Bicêtre, Paris-Sud University ~ Paris ~ France, ^[2]Division of Cardiac Surgery, IRCCS Policlinico San Matteo, University of Pavia ~ Italy, ^[3]Department of Internal Medicine, Universities Hospital Giessen and Marburg ~ Giessen ~ Germany, ^[4]Clinic for Respiratory Medicine, Hannover Medical School ~ Hannover ~ Germany, ^[5]Clinical Department of Cardiology and Angiology of the First Faculty of Medicine and General Teaching Hospital ~ Prague ~ Czech Republic, ^[6]Division of Pulmonary and Critical Care Medicine, UCSD School of Medicine ~ San Diego ~ United States, ^[7]Beijing Institute of Respiratory Medicine, Beijing Chao Yang Hospital, Department of Respiratory Medicine, Capital Medical University, Beijing Key Laboratory of Respiratory and Pulmonary Circulation Disorders ~ Beijing ~ China, ^[8]Centre for Pharmacology and Therapeutics, Division of Experimental Medicine, Imperial College London, Hammersmith Hospital ~ London ~ United Kingdom, ^[9]Global Clinical Development Bayer HealthCare AG ~ Wuppertal ~ Germany, ^[10]Kerckhoff Heart and Lung Center ~ Bad Nauheim ~ Germany

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

PREDICTORS OF LONG-TERM OUTCOME IN PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION UNDERGOING PULMONARY ENDARTERECTOMY

Skoro-Sajer Nika^[2], Marta Gabriel^[1], Hlavin Gerald^[3], Gerges Christian^[2], Nierlich Patrick^[1], Sadushi-Kolici Roela^[2], Klepetko Walter^[1], Lang Irene^[2]

^[1]Department of Cardiothoracic Surgery, Medical University of Vienna ~ Austria, ^[2]Department of Internal Medicine, Division of Cardiology, Medical University of Vienna ~ Austria, ^[3]Section of Medical Statistics, Medical University of Vienna ~ Austria

DIFFUSING CAPACITY FOR CARBON MONOXIDE AND MORTALITY IN PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Suda Rika^[1], Tanabe Nobuhiro^[1], Kato Fumiaki^[1], Sekine Ayumi^[1], Ichimura Yasunori^[1], Nishimura Rintaro^[1], Jujo Takayuki^[1], Sugiura Toshihiko^[1], Shigeta Ayako^[1], Sakao Seiichiro^[1], Kasahara Yasunori^[1], Tatsumi Koichiro^[1]

^[1]Chiba University, Graduate School of Medicine, Respiriology ~ Chiba ~ Japan

QUANTITATIVE MEASUREMENT OF CROSS-SECTIONAL AREA OF SMALL PULMONARY VESSELS USING NON-ENHANCED COMPUTED TOMOGRAPHY IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Sugiura Toshihiko^[1], Tanabe Nobuhiro^[1], Matsuura Yukiko^[1], Kawata Naoko^[1], Yanagawa Noriyuki^[1], Sekine Ayumi^[1], Suda Rika^[1], Jujo Takayuki^[1], Sakao Seiichiro^[1], Kasahara Yasunori^[1], Tatsumi Koichiro^[1]

^[1]Chiba University ~ Japan

PAH WITH IN SITU THROMBOSIS MIMICKING CTEPH

Tayne-Roberts Carmen A^[1], Papamatheakis Demosthenes G^[1], Poch David^[1], Mandel Jess^[1], Kerr Kim^[1], Auger William R^[1], Fedullo Peter F^[1], Pretorius Victor^[1], Jamieson Stuart W^[1], Madani Michael^[1], Kim Nick H^[1]

^[1]University of California San Diego ~ La Jolla, CA ~ USA

PREDICTIVE FACTORS FOR SUCCESS OF PULMONARY ENDARTERECTOMY (PEA) IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION (CTEPH)

Tromeur Cécile^[4], Jais Xavier^[2], Mercier Olaf^[3], Montani David^[2], Savale Laurent^[2], Günther Sven^[2], Artaud-Macari Elise^[2], Sitbon Olivier^[2], Fadel Elie^[3], Mussot Sacha^[3], Humbert Marc^[2], Darteville Philippe^[3], Couturaud Francis^[1], Simonneau Gérald^[2]

^[1]CHU La Cavale Blanche ~ Brest ~ France, ^[2]Université Paris-Sud CHU Bicêtre ~ Le Kremlin Bicêtre ~ France, ^[3]Université Paris-Sud, Centre Chirurgical Marie Lannelongue ~ Le Plessis Robinson ~ France, ^[4]CHRU La Cavale Blanche ~ Brest ~ France

ROLE OF TRANSTHORACIC ECHOCARDIOGRAPHY IN THE MANAGEMENT OF CTEPH

Ugolotti Tito^[1], Serra Walter^[1], Cattabiani Maria Alberta^[1], Sverzellati Nicola^[1], Ardiissino Diego^[1], Gherli Tiziano^[1]

^[1]University Hospital ~ Parma ~ Italy

PERCUTANEOUS TRANSLUMINAL PULMONARY ANGIOPLASTY IS A USEFUL THERAPEUTIC STRATEGY FOR HIGH RISK PATIENTS OF PULMONARY ENDARTERECTOMY

Yanagisawa Ryoji^[1], Kataoka Masaharu^[1], Taguchi Hiroki^[1], Shimura Nobuhiko^[1], Inami Takumi^[1], Ishiguro Haruhisa^[1], Kawakami Takashi^[2], Tamura Yuichi^[2], Hayashida Kentaro^[3], Fukuda Keiichi^[2], Yoshino Hideaki^[1], Satoh Toru^[1]

^[1]Division of Cardiology, Department of Medicine, Kyorin University School of Medicine ~ Tokyo ~ Japan, ^[2]Department of Cardiology, Keio University School of Medicine ~ Tokyo ~ Japan, ^[3]Institut Cardiovasculaire Paris-Sud ~ Massy ~ France

Friday March 1

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Friday March]

Poster Sessions

PH DUE TO LEFT HEART DISEASES AND CHRONIC LUNG DISEASES

EFFECT OF MEDICAL THERAPY IN PATIENTS WITH OUT-OF-PROPORTION PULMONARY HYPERTENSION DUE TO LUNG DISEASE

Bachetti Cristina^[1], Mazzanti Gaia^[1], Conficoni Elisa^[1], Terzi Francesca^[1], Rizzo Nicole^[1], Dardi Fabio^[1], Rinaldi Andrea^[1], Gotti Enrico^[1], Albini Alessandra^[1], Monti Enrico^[1], Palazzini Massimiliano^[1], Manes Alessandra^[1], Galiè Nazzareno^[1]

^[1]Institute of Cardiology, University of Bologna ~ Italy

THE ROLE OF ECHOCARDIOGRAPHY IN THE DISCRIMINATION BETWEEN PRE- AND POST-CAPILLARY HAEMODYNAMICS IN PATIENTS WITH PULMONARY HYPERTENSION AND RISK FACTORS FOR LEFT HEART DISEASE

Charalampopoulos Athanasios^[1], Howard Luke^[1], Davies Rachel^[1], Gin-Sing Wendy^[1], Tzoulaki Ioanna^[1], Wilkins Martin^[1], Gibbs Simon^[1]

^[1]Imperial Healthcare NHS Trust-Imperial College ~ London ~ United Kingdom

ATTENUATION OF PULMONARY HYPERTENSION SECONDARY TO LEFT VENTRICULAR DYSFUNCTION IN THE RAT BY ACE2 ACTIVATOR

Dai Zen-Kong^[1], Wu Jiunn-Ren^[1], Chen I-Chen^[1], Hsu Jong-Hau^[1]

^[1]Kaohsiung Medical University Hospital ~ Kaohsiung ~ Taiwan, R.O.C.

IN VIVO ASSESSMENT OF PULMONARY VASCULOPATHY IN PATIENTS WITH SEVERE CHRONIC RESPIRATORY FAILURE EVALUATED FOR LUNG TRANSPLANTATION. DIFFERENCES FROM PULMONARY ARTERIAL HYPERTENSION VASCULOPATHY

Domingo Enric^[1], Arredondo Christian^[1], Vazquez Manuel^[1], Nadia Bouteldja^[1], Marti Gerard^[1], Bravo Carlos^[1], Ferrer Rita^[1], Roman Antonio^[1]

^[1]Universitary Hospital Vall d'Hebron ~ Barcelona ~ Spain

DIFFERENT PROFILE AND MANAGEMENT BUT SOME OVERLAPPING IN THE TREATMENT OF PATIENTS WITH ARTERIAL AND VENOUS PULMONARY HYPERTENSION. INSIGHTS FROM HINPULSAR REGISTRY

Echazarreta Diego^[1], Coronel Maria^[2], Bonafede Roberto^[3], Coria Pablo^[3], Nuñez Cristian^[3], Pereira Zini Gustavo^[3], Acevedo Pablo^[2], Alvarez Jorge^[3], Alvarez Soledad^[3], Perna Eduardo^[2]

^[1]Hospital San Juan de Dios ~ La Plata ~ Argentina, ^[2]Instituto de Cardiologia J. F. Cabral ~ Corrientes ~ Argentina, ^[3]Heart Failure and Pulmonary Hypertension Committee ~ Argentinean Federation of Cardiology ~ Argentina

PULMONARY ARTERY PRESSURE AND SERUM BIOMARKERS IN HIGH-ALTITUDE PULMONARY EDEMA SUSCEPTIBLE SUBJECTS DURING ACUTE HYPOXIC EXPOSURE

Hanaoka Masayuki^[1], Droma Yunden^[1], Ikeda Mariko^[1], Kobayashi Nobumitsu^[1], Yasuo Masanori^[1], Urushihata Kazuhisa^[1], Kubo Keishi^[1]

^[1]Shinshu University School of Medicine ~ Matsumoto ~ Japan

PULMONARY HYPERTENSION (PH) IN IDIOPATHIC PULMONARY FIBROSIS (IPF) DOES NOT INFLUENCE SIX MINUTE WALK DISTANCE (6MWD)

Harari Sergio^[1], Luisi Francesca^[1], Cassandro Roberto^[1], Madotto Fabiana^[2], Conti Sara^[2], Cesana Giancarlo^[2]

^[1]Ospedale San Giuseppe ~ Milano ~ Italy, ^[2]Research Center of Public Health, University of Milan-Bicocca ~ Monza ~ Italy

PATIENTS WITH INTERSTITIAL LUNG DISEASES ASSOCIATED WITH CONNECTIVE TISSUE DISEASES AND PH (IL-CT-PH) SURVIVE MUCH LONGER THAN THOSE WITH IDIOPATHIC PULMONARY FIBROSIS (IPF) AND PULMONARY HYPERTENSION (PH)

Harari Sergio^[1], Luisi Francesca^[1], Cassandro Roberto^[1], Madotto Fabiana^[2], Conti Sara^[2], Cesana Giancarlo^[2]

^[1]Ospedale San Giuseppe ~ Milan ~ Italy, ^[2]Research Center on Public Health, University of Milan-Bicocca ~ Monza ~ Italy

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions

ONLY OUT OF PROPORTION PULMONARY HYPERTENSION (PH) AND NOT SLIGHT TO MODERATE PH IS A PROGNOSTIC FACTOR IN IDIOPATHIC PULMONARY FIBROSIS (IPF)

Harari Sergio^[1], Luisi Francesca^[1], Cassandro Roberto^[1], Madotto Fabiana^[2], Conti Sara^[2], Cesana Giancarlo^[2]

^[1]Ospedale San Giuseppe ~ Milan ~ Italy, ^[2]Research Center on Public Health, University of Milano-Bicocca ~ Monza ~ Italy

INCREASED MAST CELL CHYMASE IN VASCULAR PATHOLOGIES OF PULMONARY HYPERTENSION AND COPD

Kosanovic Djuro^[1], Dahal Bhola Kumar^[1], Peters Dorothea^[1], Seimetz Michael^[1], Messinger Josef^[2], Fischer Yvan^[2], Hoffmann Katrin^[2], Antel Jochen^[2], Husen Bettina^[2], Hanke Nina^[2], Mayet Stephanie^[2], Reiss Irwin^[3], Ghofrani Hossein Ardeschir^[1], Weissmann Norbert^[1], Grimminger Friedrich^[1], Seeger Werner^[4], Schermuly Ralph Theo^[1]

^[1]Universities of Giessen and Marburg Lung Center, Member of the German Center for Lung Research ~ Giessen ~ Germany, ^[2]Abbott Products GmbH ~ Hannover ~ Germany, ^[3]Division of Neonatology, Erasmus MC-Sophia Children's Hospital ~ Rotterdam ~ Netherlands, ^[4]Max Planck Institute for Heart and Lung Research, Member of the German Center for Lung Research ~ Bad Nauheim ~ Germany

NPY/NPYR1 AXIS IN HYPOXIA-INDUCED VASCULAR REMODELLING

Kwapiszewska Grazyna^[1], Egemnazarov Bakytbek^[1], Crnkovic Slaven^[1], Marsh Leigh M^[1], Weissmann Norbert^[2], Olschewski Andrea^[1]

^[1]Ludwig Boltzmann Institute for Lung Vascular Research ~ Graz ~ Austria, ^[2]Universities of Giessen and Marburg Lung Center ~ Giessen ~ Germany

INFLUENCE OF HEMODYNAMIC SEVERITY AND TARGETED THERAPY ON OUTCOME IN PATIENTS WITH PULMONARY HYPERTENSION AND LUNG DISEASE

Lange Tobias J^[1], Baron Miriam^[1], Seiler Isabella^[1], Arzt Michael^[1], Pfeifer Michael^[2]

^[1]University Medical Center Regensburg ~ Regensburg ~ Germany, ^[2]University Medical Center Regensburg and Donauzentrum Hospital ~ Regensburg / Donauzentrum ~ Germany

POSSIBLE ROLE FOR EXERCISE HEMODYNAMICS IN OTHERWISE UNDETECTABLE DIASTOLIC HEART FAILURE IN PATIENTS SENT TO THE CENTRE WITH SUSPICION OF PULMONARY ARTERIAL HYPERTENSION

Lesný Peter^[1], Luknár Milan^[1], Varga Ivan^[1], Solík Peter^[1], Goncalvesova Eva^[1]

^[1]Heart Failure and Transplant Dep. ~ Bratislava ~ Slovakia

PULMONARY HEMODYNAMICS AND RIGHT VENTRICULAR FUNCTION IN HEALTHY LOWLANDERS DURING ACCLIMATIZATION TO HIGH ALTITUDE

Maripov Abdirashit^[1], Shermatov Ulan^[1], Sarybaev Akpay^[1]

^[1]National Center of Cardiology and Internal Medicine ~ Bishkek ~ Kyrgyzstan

NITRIC OXIDE (NO) IS NOT SUITABLE FOR PULMONARY ARTERY REACTIVITY TEST IN HEART TRANSPLANT CANDIDATES WITH PULMONARY HYPERTENSION DUE TO LEFT VENTRICLE SYSTOLIC DYSFUNCTION

Nowacka Magdalena^[1], Kopec Grzegorz^[1], Podolec Piotr^[1]

^[1]Department of Cardiac and Vascular Diseases, John Paul II Hospital ~ Cracow ~ Poland

INTRAVENOUS SILDENAFIL IN PATIENTS WITH POST-CAPILLARY PULMONARY HYPERTENSION UNDERGOING MAJOR CARDIAC SURGERY: CLINICAL RESPONSE AND PHARMACOKINETICS

Pasero Daniela^[1], Ivaldi Francesca^[1], D'Avolio Antonio^[1], Simiele Marco^[1], Checco Luca^[1], Grosso Marra Walter^[1], Rana Nerlep Kaur^[1], Lupo Mario^[1], Marra Sebastiano^[1], Gaita Fiorenzo^[1], Rinaldi Mauro^[1]

^[1]University of Turin ~ Italy

Tadalafil safety in pulmonary hypertension patients with elevated pulmonary capillary wedge pressure

Rahaghi Franck^[1], Agarwal Amitesh^[1], Ramakrishna Ravindra^[1], Mehta Jinesh^[1], Ferrer Gustavo^[1], Ramirez Jose^[1], Hadeh Anas^[1], Oliveira Eduardo^[1], Smolley Laurence^[1]

^[1]Cleveland Clinic Florida ~ Weston ~ United States

PULMONARY HYPERTENSION IN PULMONARY INTENSIVE CARE: CLINICAL EXPERIENCE

Roccia Fernando^[1], Pelaia Girolamo^[1], Maselli Rosario^[1]

^[1]Università Magna Graecia di Catanzaro ~ Italy

Friday March 1

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Friday March]

Poster Sessions

PULMONARY PULSE TRANSIT TIME (PPTT): A NOVEL ECHOCARDIOGRAPHIC INDICATOR OF VASCULAR CHANGES IN PULMONARY HYPERTENSION (PH) AND PULMONARY FIBROSIS (PF)

Rüdiger Stefan^[1], Spiess Jochen^[1], Scharnbeck Dominik^[1], Radermacher Micheal^[1], Markovic Sinisa^[1], Stoiber Kathrin M^[1], Slatosch Holger^[1], Blanta Ioanna^[1], Kropf-Sanchen Cornelia^[1], Rottbauer Wolfgang^[1], Schumann Christian^[1], Wibmer Thomas^[1]

^[1]University Hospital of Ulm ~ Germany

ACUTE HEMODYNAMIC RESPONSE TO INHALED ILOPROST (VENTAVISTM) IN PATIENTS WITH PULMONARY HYPERTENSION OUT OF PROPORTION TO LEFT VENTRICULAR FILLING PRESSURE

Segel Michael^[1], Balmor Ronen^[1], Yaron Pnina^[1], Segev Amit^[1], Ben-Dov Issahar^[1]

^[1]Sheba Medical Center (affiliated to Sackler Medical School, Tel-Aviv University) ~ Tel HaShomer ~ Israel

SPECKLE TRACKING ECHOCARDIOGRAPHY AS A SCREENING METHOD FOR PULMONARY HYPERTENSION IN SEVERE COPD

Stream Amanda^[1], Rice Jessica^[1], Geraci Mark^[1], Clark Brendan^[1], Dorosz Jennifer^[1], Bull Todd^[1]

^[1]University of Colorado Health Sciences Center ~ Aurora ~ USA

ROLE OF NO-SGC SIGNALING PATHWAY IN PULMONARY HYPERTENSION DUE TO LEFT HEART FAILURE

Sydykov Akylbek^[1], Pradhan Kabita^[1], Luitel Himal^[1], Arakelyan Karen^[1], Weissmann Norbert^[1], Seeger Werner^[1], Grimmer Friedrich^[1], Ghofrani Hossein Ardeschir^[1], Schermuly Ralph Theo^[1]

^[1]Universities of Giessen and Marburg Lung Center (UGMLC), Department of Internal Medicine, Member of the German Lung Center (DZL), Justus Liebig University of Giessen ~ Germany

HEMODYNAMIC CHARACTERISTICS IN 100 PATIENTS WITH PULMONARY HYPERTENSION AND INTERSTITIAL LUNG DISEASE

Traclet Julie^[1], Reynaud-Gaubert Martine^[2], Kiakouama Lize^[1], Nunes Hilario^[3], Wallaert Benoit^[4], Montani David^[5], Camara Boubou^[6], Khouatra Chahéra^[1], Israël-Biet Dominique^[7], Marchand-Adam Sylvain^[8], Gomez Emmanuel^[9], Jaïs Xavier^[5], Launay David^[4], Magnier Romain^[10], Tétu Laurent^[11], Dromer Claire^[12], Dury Sandra^[13], Zeghamar Sabrina^[1], Polazzi Stephanie^[1], Humbert Marc^[5], Cordier Jean-François^[1], Cottin Vincent^[1]

^[1]University of Lyon ~ France, ^[2]University of Marseille ~ France, ^[3]University of Paris ~ Bobigny ~ France, ^[4]University of Lille ~ France, ^[5]University of Paris ~ Bicêtre ~ France, ^[6]University of Grenoble ~ France, ^[7]University of Paris ~ France, ^[8]University of Tours ~ France, ^[9]University of Nancy ~ France, ^[10]University of Caen ~ France, ^[11]University of Toulouse ~ France, ^[12]University of Bordeaux ~ France, ^[13]University of Reims ~ France

INCREASED PULMONARY ARTERIAL PERfusion MEASURED BY TECHNETIUM-99M IS ASSOCIATED WITH INCREASED PULMONARY ARTERIAL REMODELING IN COPD

Wrobel Jeremy^[1], Mclean Catriona^[2], Thompson Bruce^[2], Stuart-Andrews Christopher^[2], Paul Eldho^[1], Snell Gregory^[2], Williams Trevor^[2]

^[1]Monash University ~ Melbourne ~ Australia, ^[2]The Alfred ~ Melbourne ~ Australia

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Poster Sessions PEDIATRIC PH

HIGHER MORBIDITY AND MORTALITY IN PRETERM INFANTS WITH PULMONARY ARTERIAL HYPERTENSION SECONDARY TO BRONCHOPULMONARY DYSPLASIA: A CASE-CONTROL STUDY

Aluquin Vincent^[1], Sabharwal Geetika^[1], Kanhere Mansi^[1]

^[1]Penn State Children's Hospital ~ Hershey ~ United States

CLINICAL PROFILES OF PULMONARY ARTERIAL HYPERTENSION ASSOCIATED TO CONGENITAL HEART DISEASE IN PEDIATRIC AND ADULT SPANISH POPULATION: INSIGHTS FROM REHIPED AND REHAP REGISTRIES

Cerro Marín María Jesús Del^[1-8], Oliver Jose Maria^[2], Mendoza Alberto^[3], Dos Laura^[4], Rodriguez Alejandro^[5], Quero Maria Concepcion^[6], Escribano Pilar^[7]

^[1]La Paz Children's Hospital ~ Madrid ~ Spain, ^[2]La Paz Hospital ~ Madrid ~ Spain, ^[3]Pediatric Cardiology, Doce De Octubre Hospital ~ Madrid ~ Spain, ^[4]Cardiology, Congenital Heart Disease Unit Hospital Vall D'Hebron-Hospital Santa Pau I Santa Creu ~ Barcelona ~ Spain, ^[5]Pediatric Cardiology, Hospital Gregorio Marañon ~ Madrid ~ Spain, ^[6]Pediatric Cardiology Hospital Ramon y Cajal ~ Madrid ~ Spain, ^[7]Cardiology Department, Hospital Doce De Octubre ~ Madrid ~ Spain, ^[8]Rehiped Invest Gators ~ Spain

EPIDEMIOLOGY AND OUTCOMES OF THE DIFFERENT ETHIOLOGIES OF PULMONARY HYPERTENSION IN PEDIATRICS DATA FROM THE SPANISH REGISTRY FOR PEDIATRIC PULMONARY HYPERTENSION (REHIPED)

Cerro Marín María Jesús Del^[1-7], Sabaté Rotés Anna^[1], Quero Maria Concepcion^[2], Villagrá Sandra^[3], Raposo Ines^[4], Moyá Amparo^[5], Gil Antonio^[6]

^[1]Pediatric Cardiology, La Paz Children's Hospital ~ Madrid ~ Spain, ^[2]Pediatric Cardiology, Ramon y Cajal Hospital ~ Madrid ~ Spain, ^[3]Pediatric Cardiology, Montepriño Hospital ~ Madrid ~ Spain, ^[4]Pediatric Cardiology Complejo Hospitalario Universitario Juan Canalejo ~ La Coruña ~ Spain, ^[5]Pediatric Cardiology, Hospital Infantil Universitario La Fe Hospital ~ Valencia ~ Spain, ^[6]Pediatric Cardiology, Hospital Universitario de Salamanca ~ Spain, ^[7]Rehiped Registry ~ Spain

CLINICAL FEATURES, MANAGEMENT AND OUTCOMES OF PEDIATRIC PULMONARY ARTERIAL HYPERTENSION (PAH) IN SPAIN: INSIGHTS FROM THE REHIPED REGISTRY

Cerro Marín María Jesús Del^[1-8], Moreno Antonio^[2], Jimenez Soledad^[3], Viadero Maria Teresa^[4], Siles Ana^[5], Iñigo Gema^[6], Conejo Lourdes^[7]

^[1]Pediatric Cardiology, Hospital Infantil La Paz ~ Madrid ~ Spain, ^[2]Pediatric Neumology, Hospital Vall D'Hebron ~ Barcelona ~ Spain, ^[3]Pediatric Cardiology, Hospital General de Segovia La Paz ~ Segovia ~ Spain, ^[4]Department of Pediatrics, Hospital Marques de Valdecilla ~ Santander ~ Spain, ^[5]Pediatric Cardiology, Hospital Puerta de Hierro ~ Madrid ~ Spain, ^[6]Department of Pediatrics Hospital Virgen de La Salud ~ Toledo ~ Spain, ^[7]Pediatric Cardiology, Hospital General Universitario Carlos Haya ~ Malaga ~ Spain, ^[8]Rehiped Registry ~ Spain

INCIDENCE AND PREVALENCE OF PULMONARY ARTERIAL HYPERTENSION IN SPANISH PEDIATRIC POPULATION: DATA FROM REHIPED AND REHAP REGISTRIES

Cerro Marín María Jesús Del^[1-8], Dimpna Calila Albert^[2], Gavilan Jose Luis^[3], Gomez Elena^[4], Lopez Marta^[5], Perin Francesca^[6], Escribano Pilar^[7]

^[1]Pediatric Cardiology, Hospital Infantil La Paz ~ Madrid ~ Spain, ^[2]Pediatric Cardiology, Hospital Vall D'Hebron ~ Barcelona ~ Spain, ^[3]Pediatric Cardiology, Hospital Virgen del Rocio ~ Sevilla ~ Spain, ^[4]Pediatric Cardiology, Hospital Reina Sofia ~ Cordoba ~ Spain, ^[5]Pediatric Cardiology, Hospital Miguel Servet ~ Zaragoza ~ Spain, ^[6]Pediatric Cardiology, Hospital Virgen de Las Nieves ~ Granada ~ Spain, ^[7]Cardiology Department, Hospital Doce de Octubre ~ Madrid ~ Spain, ^[8]Rehiped Investigators ~ Spain

PULMONARY ARTERIAL HYPERTENSION COMPLICATING ARTERIAL SWITCH SURGERY FOR SIMPLE TRANSPOSITION OF THE GREAT ARTERIES-PREVALENCE AND OUTCOMES

Levy Marilyne^[1], Celermajer David^[2], Vouhe Pascal^[1], Bajolle Fanny^[1], Bonnet Damien^[1]

^[1]Université Paris Descartes ~ Paris ~ France, ^[2]University of Sidney ~ Australia

DISTRIBUTION OF CAUSES AND OUTCOMES OF PULMONARY HYPERTENSIONS IN A TERTIARY PEDIATRIC HOSPITAL

Levy Marilyne^[1], Celermajer David^[2], Szezpanski Isabelle^[1], Boudjemline Younes^[1], Bonnet Damien^[1]

^[1]Université Paris Descartes ~ Paris ~ France, ^[2]University of Sidney ~ Australia

Friday March 1

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Friday March]

Poster Sessions

CIRCULATING ENDOTHELIAL CELL LEVELS DECREASE AFTER VASODILATOR THERAPY AND ARE A BIOMARKER OF WORSENING IN REFRACTORY PEDIATRIC PULMONARY HYPERTENSION

Levy Marilyne^[1], Bonnet Damien^[1], Gaussem Pascale^[1], Smadja David^[1]

^[1]Université Paris Descartes ~ Paris ~ France

WHOLE LUNG TRANSCRIPTOMIC ANALYSIS OF THE EFFECTS OF SILDENAFIL IN A NEONATAL MODEL OF HYPOXIA-INDUCED PULMONARY HYPERTENSION

Moreno Laura^[1], Menendez Carmen^[1], Barreira Bianca^[2], Moreno Enrique^[2], Cogolludo Angel^[1], Mitchell Jane A^[3], Perez-Vizcaino Francisco^[1]

^[1]School of Medicine, Universidad Complutense de Madrid ~ Spain, ^[2]CIBERES ~ Madrid ~ Spain, ^[3]National Heart and Lung Institute, Imperial College of London ~ United Kingdom

HEMODYNAMIC AND GENETIC ANALYSIS IN CHILDREN WITH IDIOPATHIC/HERITABLE AND CONGENITAL HEART DISEASE ASSOCIATED PULMONARY ARTERIAL HYPERTENSION

Pfarr Nicole^[6], Fischer Christine^[6], Szamalek-Hoegel Justyna^[6], Ehlken Nicola^[1], Miera Oliver^[2], Schranz Dietmar^[3], Gorenflo Matthias^[4], Hager Alfred^[5], Hinderhofer Katrin^[6], Nagel Christian^[1], Grüning Ekkehard^[1]

^[1]Center for Pulmonary Hypertension, Thorax Clinic ~ Heidelberg ~ Germany, ^[2]German Heart Center Berlin ~ Germany, ^[3]Department of Paediatric Cardiology, University of Giessen ~ Germany, ^[4]Department of Paediatric Cardiology, University of Heidelberg ~ Germany, ^[5]Department of Pediatric Cardiology and Congenital Heart Disease, Deutsches Herzzentrum München, Technische Universität München ~ Munich ~ Germany, ^[6]Institute of Human Genetics, University of Heidelberg ~ Germany

RIGHT VENTRICULAR VOLUME RESPONSE TO PRESSURE OVERLOAD IN INFANCY

Yamada Osamu^[1], Iwasa Toru^[1], Yazaki Satoshi^[1], Tsuda Etsuko^[1], Ohuchi Hideo^[1]

^[1]National Cerebral and Cardiovascular Center ~ Suita ~ Japan

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

General Information

Congress Location

Nice Acropolis Congress Center

Risso Boulevard, Nice

Ph: +33 (0)4 93 92 83 00

Fax: +33 (0)4 93 92 82 55

Badges

Participants are requested to wear their congress badge during all sessions, coffee breaks, lunches and social events.

Internet connection

All the congress venue is **wifi area** – codes to access internet are:

- WIFI name: WSPH2013
- login: w sph2013
- password: w sph2013

Registration and poster desk

The desks will be open during the congress as follows:

Tuesday February 26 from 16.00 to 19.00

Wednesday February 27 from 08.00 to 18.30

Thursday February 28 from 08.00 to 18.30

Friday March 1 from 08.00 to 18.30

Voting System

In the Meeting Hall, attendees will find a voting device fixed to any chair to be used during the scientific sessions.

The use of the voting system is reserved to PHYSICIANS employed in Universities or Public Hospitals; the Organizing Secretariat invites any participant to comply with this guideline.

Poster presentation

The poster presenters are invited to be near their posters during lunch time in order to assist attendees interested in having information on their works.

No poster discussion is planned.

Coffee breaks, lunches and welcome cocktail

Coffee breaks and welcome cocktail will be arranged in Agora 2, outside the Meeting Hall.

Lunch will be served in Agora 3, while desserts and coffees in Agora 2, next to the Poster Area.

No accompanying person will be allowed to access coffee breaks and lunches during the working times.

The attendance in the welcome cocktail is admitted by presenting the voucher received before the congress, upon due request.

No particular dress-code is requested for welcome cocktail.

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

General Information

Information for Speakers, Abstract Presenters and Awarded Young Investigators

SPEAKERS: Slide center opening times

Tuesday February 26 from 16.00 to 19.00

Wednesday February 27 from 08.00 to 18.30

Thursday February 28 from 08.00 to 18.30

Friday March 1 from 08.00 to 18.30

Speakers are kindly requested to reach our technical support team in the slide center not later than 2 hours before the respective scheduled session in order to copy the presentation onto the meeting computer.

Presentations must be in Power Point and no personal PC will be allowed.

The operating system is Microsoft Windows Office 2007 and converter for Macintosh is available.

If the speech is at 9.00 in the morning, the speaker is kindly invited to deliver his/her slides the day before.

POSTER PRESENTERS: Mounting and dismounting rules

Poster presenters will find our staff directly next to the Poster Area (Agora 2) ready to help them to fix their posters.

Near the poster desks, they'll find the Abstracts List ordered by Presenters' family name – near each name the number of the corresponding panel (where fixing the poster) will be indicated.

In the Poster Area, presenters will find the necessary material to hang their poster.

Mounting Time:

Any presenter must fix his/her poster/s on the assigned day from 08.00 to 09.00.

For presentations on February 27, poster mounting is allowed also the day before from 16.00 to 19.00.

Dismounting Time:

Any presenter is requested to dismount his/her poster/s at the end of the day of his/her presentation (from 17.30 to 19.00).

At 19.00 of the same day, our Organization will remove and eliminate all posters not dismounted by presenters.

AWARDED YOUNG INVESTIGATORS

All winners are kindly requested to be present in Apollon room on February 27 at 17.15 for the Young Investigator Awards Ceremony.

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

General Information

Transportation

Access to Nice Acropolis Congress Center

From the airport:

Take Bus n° 98 to the station "cathédrale vieille-ville"; then take the tramway towards "Pont Michel"; Stop at "Acropolis".

From the train station:

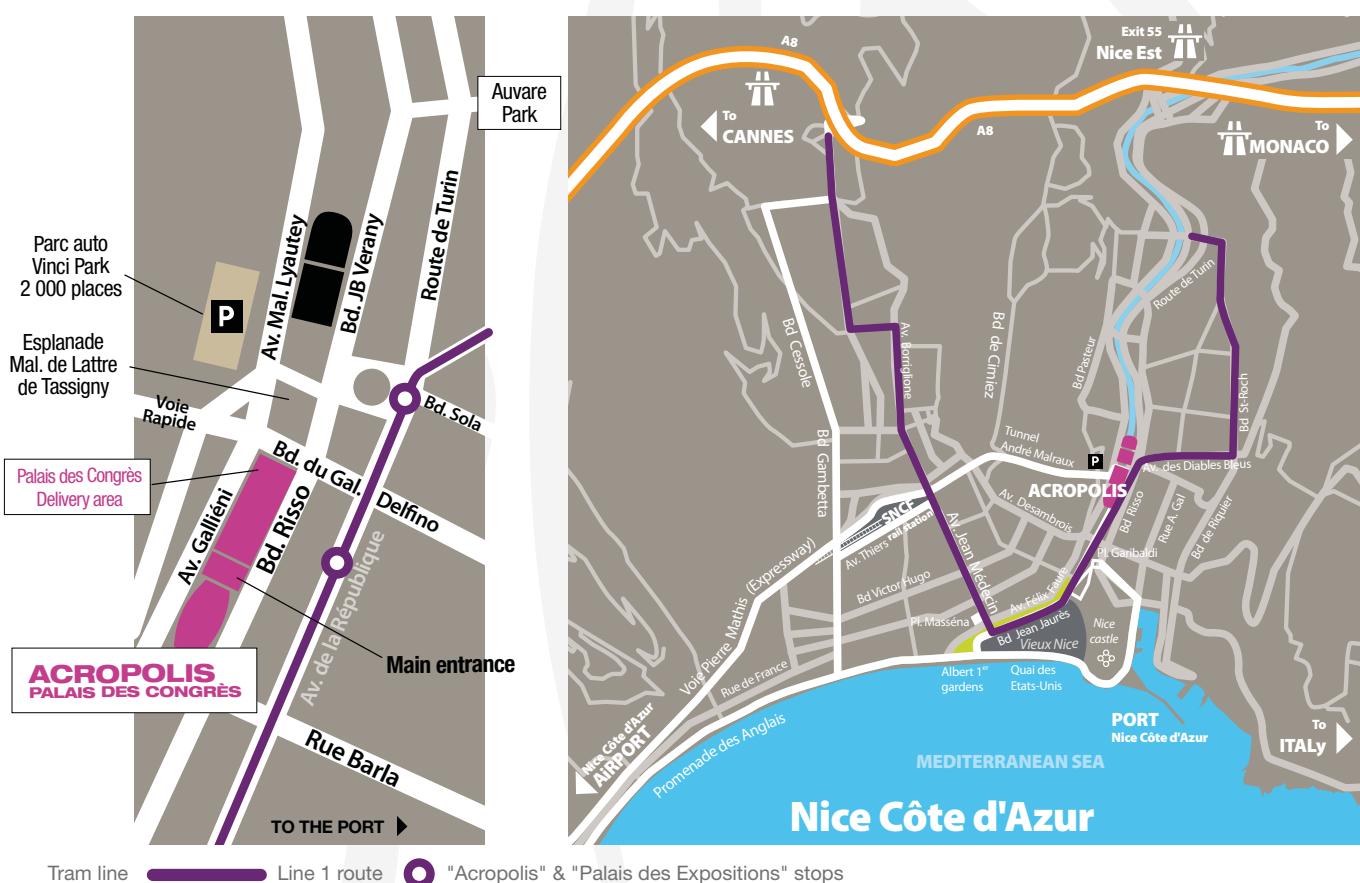
Take the tramway towards "Pont Michel"; Stop at "Acropolis".

From the A8 motorway "Provencal":

Exit n° 50 towards "Nice Centre" and the "Promenade des Anglais"; then follow the directions for "Acropolis".

NICE TRAMWAY

Nice inaugurated the first line of its tramway (T1) on November 24, 2007. The line runs for 8.7 km and stretches from the northern tip of Nice, Nice-Nord (Boulevard Comte de Falicon) to Pont Michel in the Saint Roch neighbourhood. Name of the tramway stop for the congress: ACROPOLIS



5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Index of Abstracts Authors and Task Forces Members

A

Abman Steven	24
Abraham David	52
Abrams Darryl	52
Acedo Adriano	39
Acevedo Pablo	48, 60
Adams-Graves Patricia	46
Adão Rui	31
Adatia Ian T K.	15
Adir Yochai	23
Agard Christian	45
Agarwal Amitesh	61
Agerstand Cara	52
Aguilar Rio	44
Ahmad Ferhaan	44
Ahn Jinhee	55
Aigner Clemens	51
Airo Paolo	34
Akashi Yoshihiro	39
Akermane Renate	41
Al-hiti Hikmet	51
Alam Shoaib	46, 48
Alazawi William	35
Albajara Luís	42
Albera Carlo	42
Albini Alessandra	28, 29, 33, 47, 49, 50, 52, 55, 57, 60
Albrecht Marjorie	31
Aldred Micheala	14
Aldridge Kam	38, 39
Aldrightetti Rino	41, 50
Allanore Yannick	34
Almeida Ana	36, 48
Almeida Melline	39
Almeida Milena	44
Almenar Luis	45
Alonso Catherina Sergio	58
Aluquin Vincent	63
Alvarez Jorge	60
Alvarez Soledad	60
Amoura Zahir	45
Amouyel Philippe	34
Andersen Rune	55
Andersson Therese	55
Andreassen Arne K	52, 55
Ansotegui Emilio	41
Antel Jochen	61
Anthi Anastasia	40
Aoki Tatsuo	55
Aonuma Kazutaka	34
Arai Andrew	48
Arakaki Jaquelina	28, 39, 48, 49
Arakelyan Karen	62
Archer Stephen L	13, 33
Ardissino Diego	59
Aristimuño Guillermo	40, 48
Arkhipova Olga	30
Armaganidis Apostolos	40

Armstrong Iain	50, 53
Arredondo Christian	60
Artaud-Macari Elise	35, 42, 48, 52, 59
Arts Theo	37
Arzt Michael	46, 61
Asamura Hideki	33
Aschauer Stefan	52
Auger William R	55, 56, 57, 59
Austin Eric D	33, 34
Avian Alexander	46
Avouac Jerome	42
Awdish Rana	49
Azoulay Laurent	35
Blanchet Anne-Sophie	36
Blank Norbert	51
Blanta Ioanna	62
Bluemke David	39
Boerrigter Bart	49
Bogaard Herman Jan	18, 49
Bonafede Roberto	60
Bonauer Angelika	27
Bonderman Diana	46
Bonneau Olivier	30
Bonnemains Laurent	47
Bonnet Damien	24, 47, 63, 64
Bonnet Sébastien	30, 32
Bonvini Sara	31
Boonstra Anco	49
Bossone Eduardo	36, 44
Botta Cristian	40
Bouchra Lamia	42
Boudjemline Younes	63
Boulate David	27
Bourdin Arnaud	29, 54
Bouteldja Nadia	44
Bouvaist Hélène	35, 38
Brás-Silva Carmen	31
Bravo Carlos	60
Brearton Melinda	32
Bret-Zurita Montserrat	42
Breuil-Bonnet Sandra	32
Brimioulle Serge	50
Brini Elena	33
Britton Steve	30
Brodie Daniel	52
Brown Jordan	31
Brown Mary Beth	31
Brunner-La Rocca Hans-Peter	37
Budts Werner	57, 58
Bull Todd M	21, 62
Burger Charles	38
Burgos Carlos	48
Burton Victoria J	30
Buschel Rachel	52
Butrous Ghazwan	33, 54
Byeon Kyeong Min	43

B

Bacchetta Matthew	52
Bachetti Cristina	28, 29, 47, 49, 50, 52, 55, 57, 60
Bachman Tim	54
Badano Luigi P	37, 38, 46
Badesch David B	18, 47, 53
Bajolle Fanny	63
Balasubramanian Vijay	30
Bálint Zoltán	42
Ballester Marta	41
Balmor Ronen	62
Bals Robert	31, 45
Bandeira Angela	44
Barbera Joan Albert	23, 41
Barnett Christopher	35, 46, 54
Baron Miriam	61
Barr R Graham	39
Barreira Bianca	64
Barrio Maria Isabel	42
Barst Robyn J	21, 24, 34, 47
Basineni Sobha	27
Batt Jane	39
Bauer Uta-Maria	27
Becker-Gruenig Tabea	50
Beghetti Maurice	24
Ben-Dov Issahar	62
Benveniste Olivier	45
Benza Raymond	17, 32, 54
Berezina Aelita	46
Berezne Alice	51
Berger Rolf M F	24
Bergeron Anne	54
Bergfeldt Lennart	45
Berghausen Eva María	54
Bergot Emmanuel	29, 54
Berk Joachim	54
Bernstein Elana	42
Bertolotti Alejandro	55
Bertrand Marion	34
Bianco Matteo	42
Biniek Ewa	30
Blanche Stephane	47
Cabrita Ines Zimbarra	44
Cajigas Hector	49
Caldeira Daniel	36
Calisto Carina	48
Camara Boubou	62
Campbell Malcolm	53
Cáneva Jorge	55
Cantoni Silvia	31, 33
Canuet Matthieu	45, 54
Carignola Renato	42
Carlberg Bo	55

C

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Index of Abstracts Authors and Task Forces Members

Carpentier Wassila	34	Coronel Maria	40, 41, 48, 60	Devilliers Hervé	45
Cartaxo Tereza	48	Corrigan Carolyn	37	Dewachter Céline	50
Cartón Antonio	42	Corris Paul A	19, 47	Dewachter Laurence	50
Cassandro Roberto	60, 61	Cortina José María	58	Dib Alfred	36
Castelain Vincent	36	Cotrim Carlos	36	Dieval Céline	45
Castillo-Palma Maria J	45, 50, 51	Cottin Vincent	23, 29, 36, 62	Dimmeler Stefanie	27, 31
Castro Oswaldo	46	Coulet Florence	28, 34	Dimpna Calila Albert	63
Cattabiani Maria Alberta	59	Courand Pierre-Yves	36	Distler Oliver	42, 46
Cattadori Barbara	57	Courtier Anais	32	Dobbels Fabienne	53
Celermajer David S	15, 63	Courtman David	31	Döbele Carmen	27, 31
Cerdeira Rui	31	Couturaud Francis	56, 59	Doelberg Martin	46
Cerro Marín María Jesús Del	42, 63	Crackett Rachel	47	Domingo Enric	44, 60
Cesana Giancarlo	60, 61	Cramb Catriona	30	Domingues Ana Lucia	44
Chabot François	47	Creuze Nicolas	36	Dorfmüller Peter	13, 27, 28, 30, 32, 33, 34, 35, 38
Chadha-Boreham Harbajan	46	Crnkovic Slaven	61	Dornia Christian	46
Chae Shung Chull	40	Cruz Inês	36	Dorosz Jennifer	62
Champion Hunter	23, 44, 54	Csósza Györgyi	37	Dos Laura	45, 63
Chan Jonathan	39	Cucchini Umberto	38	Dos Remedios Cris	38
Chang Hyuk-Jae	42	Cucci Anthony	31	Droma Yunden	33, 60
Chang Kyoung-Sig	40	Culafic Djordje	52	Dromer Claire	29, 62
Chang Sung-A	43	Curro Maria	40	Duggan Nicholas	30
Channick Richard	22	Cusi Daniele	34	Dumas Sébastien J	30
Chaosuwannakit Narumol	43	Cuttica Michael	46	Dumitrescu Daniel	43
Chaouat Ari	34, 43, 47	Cuvelier Antoine	42	Dupuis Jocelyn	44
Charalampopoulos Athanasios	43, 60			Dupuy Anne-Marie	34
Chaumais Marie Camille	29, 33, 35			Durand Hervé	48
Chazova Irina	30	D'Andrea Antonello	36, 44	Durighel Giuliana	44
Checco Luca	61	D'Armini Andrea Maria	56, 57, 58	Dury Sandra	62
Chelladurai Prakash	27	D'Avolio Antonio	61	Dusek Alex	53
Chemla Denis	35, 36, 49	Dabral Swati	27, 36	Dusek Ladislav	51
Chen Hubert	41	Dahal Bhola Kumar	27, 30, 31, 32, 61	Dweik Raed	45
Chen I-Chen	60	Dai Zen-Kong	60	Dymarkowski Steven	57, 58
Chen Libo	36, 43	Dal Bianco Lucia	37, 38, 46		
Chen Wen-Chi	32	Dardi Fabio	28, 29, 47, 49, 50, 52, 55, 57, 60	Echazarreta Andres	40
Chin Kelly M	16	Dartevelle Philippe	22, 27, 51, 59	Echazarreta Diego	40, 41, 60
Chiocchia Gilles	34	Data Valeria	42	Eddahibi Saadia	27, 33
Chirio Claudio	42	Davies Rachel	43, 60	Edelman Kathy	54
Cho Kyoung-Im	40	Dawson David	44	Eder Veronika	52
Choi Eui-Young	40	Day Margaret	47	Egemnazarov Bakytbek	61
Choi Jung Hyun	55	De Keulenaer Gilles	31	Ehlken Nicola	34, 36, 44, 50, 51, 56, 64
Chung Lorinda	30	De Lazzari Manuel	46	El-Gazayerly Amany N	21
Chung Namsik	40	De Man Frances S	29, 33, 38	Elias L	41
Chung Wendy K	14, 34	De Marco Teresa	23, 35, 54	Elliott C Gregory	14, 47
Chung Wook-Jin	40	De Perrot Marc	53	Enyimayew Esi Otuwa	36
Cimbalo Canella Juan	48	De Ravel Thomy J L	34	Ermacora Davide	37, 38
Ciucian Loredana	30	Decante Benoit	27	Erzurum Serpil C	13
Clapp Lucie	52	Degani Antonella	57	Escríbano Pilar	17, 41, 45, 58, 63
Clark Brendan	62	Deiros Lucia	42	Esposito Roberta	38
Claussen Martin	44	Delcroix Marion	22, 34, 48, 53, 57, 58	Eulberg Dirk	30
Coghlan John Gerard	23, 35, 46	Delhaas Tammo	37	Ewert Ralf	52
Cogolludo Angel	64	Delisser Horace	31	Eyries Mélanie	28, 34
Cohen Mylan	39	Dell'Aniello Sophie	35		
Cohen-Kaminsky Sylvia	27, 30, 32, 33, 43	Denton Christopher P	15, 46		
Condiffe Robin A	18	Derumeaux Geneviève	36		
Conejo Lourdes	63	Descatha Alexis	47		
Conficoni Elisa	28, 29, 47, 50, 52, 55, 57, 60	Destefanis Paola	42		
Conti Sara	60, 61				
Cook Todd	31				
Cordier Jean-François	36, 62				
Coria Pablo	60				

D

E

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Index of Abstracts Authors and Task Forces Members

F

Fadel Eli	27, 32, 33, 51, 59
Fandos Maria Jose	41
Farber Harrison W	47
Farha Samar	45
Favaloro Liliana	55
Favaloro Roberto	55
Fedullo Peter F	55, 56, 57, 59
Fenstad Eric	28
Fernandes Timothy	55
Ferrari Pisana	50
Ferreira Rita	44
Ferrer Gustavo	61
Ferrer Rita	60
Ferretti Gilbert	35
Fesler Pierre	58
Figueiredo Priscila	49
Filipe-Santos Orchidée	32
Fine Nowell	36
Fink Ludger	32
Finnerty Vincent	44
Fischer Alain	47
Fischer Ariane	27
Fischer Aryeh	41, 50
Fischer Christine	34, 36, 44, 50, 51, 56, 64
Fischer Yvan	61
Fisher Amanda	31
Fisher Andrew	47
Fleitas Paez Maximiliano	41
Fleming Tom	21, 24
Flox Camacho Ángela	58
Forfia Paul R	16
Foster Graham R	35
Fournier Alain	44
Fowler Robin	44, 53
Fox Benjamin	35
Fox Kelly	33
Frachon Irène	29
François Charlene	33
Frantz Christian	31
Frantz Robert	18, 28, 36, 43
Frantzeskaki Frantzeska	40
Fritsch Arno	51, 58
Froeschl Uwe	52
Frost Adaani E	19, 39, 47
Fuegger Reinhold	52
Fukuda Keiichi	49, 59
Fukumoto Yoshihiro	30, 55
Fuller Julia	47
Furst Daniel	42

G

Gabbay Eli	44, 45, 53
Gain Kevin	44
Gaine Sean Patrick	20
Gaita Fiorenzo	61
Galderisi Maurizio	38
Galiè Nazzareno	19, 23, 28, 29, 31, 33, 47, 49, 50, 51, 52, 55, 57, 60
Gallego Pastora	45
Galletti Margherita	31, 33
Galloway-Phillips Neil	35
Gambaryan Natalia	32
García Brasca Daniela	40
Garcia Edgar	48
Garcia Gilles	28, 37, 43, 47
Garcia Walter	48
García-Hernández Francisco J	50, 51
Garrido-Lestache Elvira Barrios	58
Gatzoulis Michael A	15
Gaussem Pascale	64
Gavilan Jose Luis	63
Gazzana Marcelo	44
Geguchadze Ramaz	54
Geiran Odd	55
George Patricia	44
George Peter M	35
Geraci Marc W	14, 62
Gerges Christian	59
Gerhardt Felix	43
Germain Marine	34
Gewitz Michael	31
Ghanim Bahil	51, 57
Gherli Tiziano	59
Ghio Stefano	23, 57
Ghofrani Hossein Ardeschir	15, 21, 27, 30, 31, 32, 33, 36, 51, 54, 58, 61, 62
Gibbs Simon	23, 43, 44, 60
Gil Antonio	63
Gillaizeau Florence	56
Gin-Sing Wendy	43, 60
Girerd Barbara	27, 28, 32, 33, 34, 43, 48, 54
Girgis Reda E	19
Gladwin Mark	44, 46, 54
Glen Clarisse	40
Glerant Jean-Charles	36
Godara Geeta	39
Goggi Claudio	57
Golick Mark	41
Gomberg-Maitland Mardi I	21
Gómez Carmen	55
Gómez Elena	63
Gómez Emmanuel	43, 47, 62
Gómez Sánchez Miguel Angel	15, 58
Gonçalves Susana	48
Goncalvesova Eva	35, 47, 51, 61
Goncharov Dmitry	31
Goncharova Elena	31
Goncharova Natalia	40, 46
González-León Rocío	50, 51
González-Pulido Cristina	50
Gordon Jessica	40, 42
Gordon Terry	32
Gorenflo Matthias	50, 64
Gotti Enrico	28, 29, 47, 49, 50, 52, 55, 57, 60
Gouadon Elodie	30
Gräber Stephan	31
Granton John	19, 39, 53
Granzier Henk	38
Grapsa Julia	44
Grignola Juan	44
Grimminger Friedrich	21, 27, 30, 31, 32, 33, 36, 51, 54, 58, 61, 62
Gripari Paola	38
Grosso Marra Walter	61
Grünig Ekkehard	14, 34, 36, 44, 46, 50, 51, 56, 64
Grunig Gabriele	32
Gude Einar	55
Guérin Laurent	56
Guffanti Alessandro	33
Guignabert Christophe	13, 27, 30, 33, 34, 38, 54
Guihaire Julien	27
Guillaumot Anne	43, 47
Guillevin Loic	50, 51
Guija Karthik	37
Günther Sven	35, 42, 48, 49, 52, 54, 59
Guth Stefan	56
Gutierrez-larraya Federico	42
H	
Habib Gilbert	29
Hachulla Eric	45, 51
Hacobian Melkon	39
Haddad François	16
Hadeh Anas	61
Hager Alfred	50, 64
Haick Hossam	43
Halank Michael	36, 50, 56
Hall Kathleen	38
Hamer Okka W	46
Hamidou Mohamed	45
Hammel Jeffrey	45
Hanaoka Masayuki	33, 60
Handoko M Louis	38
Hanke Nina	61
Hannon Tara	45
Harari Sergio	60, 61
Harding Clarke	30
Harel François	44
Harris Julie	38
Harrison Anne-Marie	45
Hassoun Paul M	16
Haurigot Pilar	41
Haworth Busk Sheila Glennis	24

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Index of Abstracts Authors and Task Forces Members

Hayashida Kentaro	56, 58, 59	Ivy Dunbar D	24	Kawut Steven M	16, 31, 39
Hayward Christopher	37	Iwasa Toru	28, 64	Kazimli Aygun	40, 46
He Jiwei	39			Keogh Anne M	19, 37, 51
Heinzl Harald	46			Kerbaul François	50
Hemnes Anna	33, 34			Kermen Fiona	38, 39, 52
Henn Philipp	44			Kerr Kim	55, 56, 57, 59
Heragu Naveen	30			Kerstein Diane	49
Heresi Gustavo	45			Kerstein Jason	49
Heritier Sébastien	47			Khanna Dinesh	18, 46
Herruzo-Avilés Angel	51			Khouatra Chahéra	36, 62
Hervé Philippe	35, 36, 46			Kiakouama Lize	62
Hervier Baptiste	45			Kikuchi Hanako	53
Hinderhofer Katrin	34, 64			Kim Dong Soo	40
Hinojosa-Perez Rafael	50			Kim Duk Kyung	43
Hlavín Gerald	52, 59			Kim Hyong	57
Hobbs Adrian	52			Kim Hyung Kwan	43
Hoda Mir Ali Reza	57			Kim Kee-Sik	40
Hoepfer Marius M	18, 58			Kim Nick H	22, 55, 56, 57, 58, 59
Hoette Susana	36			Kimura Go	58
Hoffman Carol	32			Kimura Taizo	34
Hoffmann Katrin	61			Kind Taco	29
Hohenforst-Schmidt Wolfgang	52			Kinota Fumiya	33
Holmes Alan M	35			Kirkby Nicholas S	35
Homma Satoshi	34			Kis Adrián	37
Horn Evelyn	40, 42			Kittelson John	53
Horváth Gábor	37			Klein Francisco	55
Howard Luke S	20, 43, 44, 50, 60			Klepko Walter	19, 32, 51, 57, 59
Hsu Jong-Hau	60			Klingel-Schmitt Isabelle	32
Hsu Vivien	40			Klose Hans	50
Huang Jing	31			Klußmann Sven	30
Huang Wei-ti	40			Knorst Marli	44
Huber Charlotte	52			Kobashigawa Erin	35
Huertas Alice	27, 32, 33, 54			Kobayashi Nobumitsu	33, 60
Humbert Marc	14, 17, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 42, 43, 47, 48, 49, 51, 52, 54, 59, 62			Koch Lauren	30
Hunzelmann Nicolas	43			Koeken Yvette	37
Huscher Dörte	42			Kojonazarov Baktybek	27, 31, 33, 54
Husen Bettina	61			Konstantonis Dimitrios	40
Hutin Olivier	47			Kopeć Grzegorz	61
				Kornhall Björn	41
				Kosanović Djuro	30, 31, 61
				Kotlyar Eugene	37
				Koumakis Eugenie	34
				Kovacevic-Preradovic Tamara	37
				Kovács Attila	37, 38, 46
				Kovacs Gabor	42, 46
				Kozic Marijo	37
Ichimura Yasunori	45, 53, 59			Kozieradzka Anna	51
Ikeda Mariko	60			Kozlova Svetlana	40
Iliceto Sabino	37, 38, 46			Krishnan Usha	49
Im Kyung Min	55			Kropf-Sanchen Cornelia	62
Imran Muhammad	37			Krstic Miodrag	52
Inami Takumi	53, 56, 58, 59			Krymskaya Vera	31
Iriigo Gema	63			Kubo Keishi	33, 60
Isaka Aoi	58			Kullnig Peter	42
Isenberg Jeffrey	44			Kumar Raman Krishna	15
Ishibashi-Ueda Hatsue	28			Kurzyna Marcin	18
Ishiguro Haruhisa	53, 56, 58, 59			Kuwana Masataka	46
Israël-Biet Dominique	62			Kwapiszewska Grazyna	61
Ito Michiko	33				
Ivaldi Francesca	61				

J

K

I

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Index of Abstracts Authors and Task Forces Members

Moreno Laura 64
Morrell Nicholas W 13, 31, 35
Morris Norman 38
Morshuis Wim 57
Morsolini Marco 56, 57
Mouthon Luc 51
Moyá Amparo 63
Muccino David 41
Muir Jean-François 42
Mullen Mary 41
Müller-Ladner Ulf 34, 46
Munemasa Mitsuru 58
Murali Srinivas 32, 54
Muraru Denisa 37, 38, 46
Mussot Sacha 27, 51, 59

N

Nadaud Sophie 34
Nadia Bouteldja 60
Naeije Robert 16, 36, 44, 50
Nagel Christian 34, 36, 44, 50, 51, 56, 64
Nair Arun 47
Najmushin Alexander 40, 46
Nakhleh Morad 43
Nambi Vijay 39
Nauffal Dolores 41
Neal Jennifer 38
Neder J Alberto 49
Nery Luiz 48
Nesser Hans-Joachim 52
Neumann Julia 31
Neuser Dieter 51, 58
Newman John 14, 16, 33
Nguyen Kim-Lien 48
Nguyen Quang Trinh 44
Nichols William 32
Nicola Catalin 30
Nierlich Patrick 51, 57, 59
Nihoyannopoulos Petros 44
Ninio Ewa 48
Nishimura Rintaro 49, 53, 59
Nochioka Kotaro 55
Novelli Enrico 44
Nowacka Magdalena 51, 61
Nunes Diogo António 48
Nunes Hilario 45, 62
Nuñez Cristian 60

O

O'Regan Declan 44
Obregon Ricardo 48
Ocaña-Medina Celia 50, 51

Ochan Kilama Michael 51
Ogawa Aiko 48, 58
Ogino Hitoshi 22
Ohuchi Hideo 64
Oliveira Eduardo 61
Oliveira Rudolf 28
Oliveira Sheilla 48
Oliver Jose Maria 45, 63
Olschewski Andrea 42, 46, 61
Olschewski Horst 15, 36, 42, 46, 50
Ono Tomohiko 49
Opitz Christian 42, 50
Orfanos Stylianos E 40
Orlandoni Giulio 56
Ormiston Mark 31
Ota Masao 33
Ottenheijm Coen 38
Oudiz Ronald J 16
Ouyang Pamela 39
Oveson Lynn 35
Ozaki Shioichi 39

P

Pacak Jozef 46
Padayattil Seena 38
Palazzini Massimiliano 20, 28, 29, 33, 47, 49, 50
 52, 55, 57, 60
Papamatheakis Demosthenes G 59
Papelier Yves 36
Pappas Athanasios 40
Pappas Orestis 32
Parambil Joseph 45
Parent Florence 36, 42, 48, 52, 56
Park Jeong Bae 40
Park Jong Chun 40
Park Myung H 20, 41
Park Seung Woo 43
Park Sung-Hyun 32
Parmentier Gilles 32
Parras Jorge 48
Pasero Daniela 61
Passineau Michael 32, 54
Pauciulo Michael 32
Paul Eldho 62
Paul-Clark Mark 31
Pavlovic Markovic Aleksandra 52
Peacock Andrew 17
Pelaia Girolamo 61
Pellegrini Carlo 57
Pellikka Patricia 36
Peluso Diletta 37, 38, 46
Peña Pinado Fabiola 56
Peng Jenny 53
Pengo Vittorio 22
Penner Niki 33
Pepi Mauro 38
Pepke-Zaba Joanna 17
Peradejordi Margarita 55
Perazzolo Marra Martina 37, 38, 46
Pereira Clara 44
Pereira Hélder 36
Pereira Zini Gustavo 60
Pereiro Stella 41
Perez Solene 32
Perez-Iratxeta Carol 31
Perez-Vizcaino Francisco 64
Perin Francesca 63
Perna Eduardo 40, 41, 48, 60
Perrin Swanny 35
Perros Frédéric 27, 30, 32, 33, 54
Persichini Romain 42
Pesko Predrag 52
Peters Dorothea 61
Petrache Irina 31
Pfarr Nicole 34, 64
Pfeifer Michael 46, 61
Phan Carole 27, 54
Pienn Michael 42
Pina-Jomir Géraldine 36
Piscocia Carlos 48
Pison Christophe 29, 35, 38, 54
Plácido Rui 48
Playford David 45
Plokker Thijs 57
Poch David 56, 57, 59
Podolec Piotr 61
Podracky Juraj 51
Pogozelski Andrew 54
Poirier Odette 34
Polazzi Stephanie 62
Pollett Jonathan 32
Poms Abby 47
Ponçot-Mongars Raphaëlle 43
Ponti Francesca 31
Popandopulo Andrew 54
Pope Janet 46
Popovic Dragan 52
Porras-Antrás Isabel 50
Post Marco 57, 58
Potton Leila 38
Potus François 32
Poubeau Patrice 29, 54
Pozzi Roberto 42
Pradhan Kabita 62
Prange Felix 44
Preradovic Milan 37
Presson Robert 31
Preston Ioana R 19
Pretorius Victor 55, 57, 59
Prevot Grégoire 29, 54
Prichard Rose 37
Prieur Marion 35
Provencer Steeve 16, 32, 43
Pulido Tomas 17
Pullamsetti Soni Savai 27, 32, 33, 36, 54

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Index of Abstracts Authors and Task Forces Members

Soubrier Florent	14, 28, 34, 51	Tétu Laurent	45, 62	Vantler Marius	54
Southwood Mark	35	Thomas Matthew	30	Vanzetto Gerald	38
Souza Rogerio	15	Thompson Bruce	62	Varga Ivan	35, 51, 61
Speich Rudolf	50	Tian Xia	33	Vazquez Manuel	60
Spiera Robert	42	Tian Xin	46, 48	Velázquez Martín María Teresa	58
Spiess Jochen	62	Tiede Henning	36, 50, 56	Ventetuolo Corey	39
Spikes Leslie	52	Tio Darryl	49	Ventura Carlo	21, 31, 33
Spuran Milan	52	Toldo Cristian	41	Vercruyssen Marie	50
Srdic Svetozar	37	Tonelli Adriano	45	Verduyn Cora	50
Staeehler Gerd	50	Torbicki Adam	16	Veselkov Kirill A	35
Steen Virginia	30, 40	Torres Alejandro	49	Viacroze Catherine	42
Steinhorn Robin H.	24	Torres Fernando	18	Viadero María Teresa	63
Stenmark Kurt R.	13, 44	Tóth Laura Andrea	37	Vieira Machado Ferreira Eloara	28, 39, 48, 49
Steringer-Mascherbauer Regina	52	Toyao Kaori	53	Viethen Thomas	43
Stewart Duncan J.	21, 31	Traclet Julie	36, 62	Viksne Sigitā	41
Stiefel Jaroslava	46	Trammell Aaron	33	Villagrá Sandra	63
Stockbridge Norman	21	Tréguoët David Alexandre	34	Vincent Julie A	49
Stoiber Kathrin M.	62	Treleaven Jeanette	53	Vistarini Nicola	56, 57
Stojkovic Milica	52	Trembath Richard C	14	Vlachoyiannopoulos Panayotis	34
Stollberger Rudolf	42	Tretyn Alexandra	33	Voelkel Norbert	16
Stream Amanda	62	Triantafyllidi Helen	40	Vonk Madelon	46
Stuart Bruno	36	Trip Pia	29	Vonk Noordegraaf Anton	16, 29, 34, 38, 49
Stuart-Andrews Christopher	62	Trninić Dijana	37	Voswinckel Robert	32
Studencan Martin	51	Tromeur Cécile	59	Votavova Regina	51
Studer Sean	41, 50	Tsangaris Iraklis	40	Vouhe Pascal	63
Subirana M Teresa	45	Tscherner Maria	42	Vroom Christina	30
Suda Rika	45, 49, 59	Tsuchida Kosei	39	Vujisic-Tesic Bosiljka	37
Sugimura Koichiro	55	Tsuda Etsuko	64		
Sugiura Toshihiko	45, 49, 53, 59	Tu Ly	27, 30, 33, 54		
Suisse Samy	17, 35	Tuder Rubin M	13, 31		
Sulica Roxana	37, 40	Turner Mariel E	49		
Suzuki Kengo	39	Turquier Ségolène	36		
Sverzellati Nicola	59	Tzoulaki Ioanna	43, 60		
Sydykov Akybek	31, 33, 62				
Szamalek-Hoegel Justyna	64				
Szezepanski Isabelle	63				
Sztrymf Benjamin	49				

T

Taghavi Shahrokh	51, 57
Taguchi Hiroki	53, 56, 58, 59
Takei Makoto	49
Talavera Luján	55
Tamborini Gloria	38
Tamura Yuichi	48, 49, 56, 58, 59
Tanabe Nobuhiro	45, 49, 53, 59
Tapson Victor F.	20
Tarango Nimaljeet	35
Tassinari Riccardo	31, 33
Tatebe Shunsuke	55
Tatsumi Koichiro	45, 49, 53, 59
Tavacova Marcela	47
Taylor James	48
Tayne-Roberts Carmen A.	59
Ten Freyhaus Henrik	54
Terzi Francesca	28, 29, 47, 49, 50, 52, 55, 57, 60

U

Ugolotti Tito	59
Uiher Soeren	50
Ulrich Silvia	50
Urushihata Kazuhisa	60
Uzunhan Yurdagul	45

V

Vachiéry Jean-Luc	23
Valle Neto Leônidas	48
Valois Fabricio	48, 49
Valsecchi Federica	56
Van De Bruaene Alexander	58
Van Demark Mary	31
Van Der Velden Jolanda	38
Van Paassen Pieter	37
Vandeveldt Ellen	53
Vanhoof Jasper	53
Wallaert Benoit	62
Wan Fei	39
Wang Chen	58
Wanner Adam	37
Weidenhammer Johannes	44
Weimann Gerrit	58
Weissmann Norbert	27, 30, 31, 32, 33, 36, 54, 61, 62
Wells Athol U	23
West James	32, 33
Westerhof Nico	29, 38
Westhoff Ryan	52
Wheeler Lisa	33
White Pamela	54
Wibmer Thomas	62
Wichmann H Erich	34
Wikström Gerhard	41
Wiley Brandon	35
Wilkens Heinrike	31, 45, 50
Wilkins Martin R	18, 43, 58, 60
Willehadson Maria	41
Williams Trevor	62
Williamson Timothy	52
Wipff Julien	34
Wirth Joel	39
Wolzt Michael	52
Wort Stephen J	35
Wrobel Jeremy	62

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Index of Abstracts Authors and Task Forces Members

Wu Jiunn-Ren	60
Wu Licun	53
Wuyts Wim	53, 57, 58

X

Xu Dihua	46
----------------	----

Y

Yaici Azzedine	28
Yamada Akira	39
Yamada Hidehiro	39
Yamada Osamu	28, 64
Yamamoto Tsunehisa	49
Yamasaki Yoshioki	39
Yanagawa Noriyuki	59
Yanagisawa Ryoji	53, 56, 58, 59
Yang Eric	39
Yang Mi Jin	55
Yannick Allanore	42
Yao Mingyi	44
Yaron Pnina	62
Yasuo Masanori	33, 60
Yazaki Satoshi	64
Yorke Janelle	53
Yoshino Hideaki	53, 56, 58, 59
Youn Ho-Joong	40
Yun Hanna	53

Z

Zalcman Gérard	54
Zamanian Roham	30
Zambelli Filippo	31, 33
Zeghamar Sabrina	62
Zeiher Andreas M	27
Zendah Inès	47
Zhao Jean J	54
Zhao Yidan	53
Zoppellaro Giacomo	37
Zuckerman Warren	49



5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Notes



5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Notes

5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Notes



5th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Platinum Sponsors



Gold Sponsors



Bayer HealthCare



GILEAD

Silver Sponsors



Bronze Sponsors



I
&
C