6th

WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Nice
February 27-28 / March 1, 2018

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INTRODUCTION

Traditionally the PH World Symposia series, started in Geneva in 1973 and held every 5 years after the Evian edition in 1998 (Venice 2003, Dana Point 2008, Nice 2013), has marked the progresses in pulmonary hypertension science and has anticipated future developments. The published supplement including the symposia proceedings constitutes a collection of articles among the most cited in this scientific area.

Each new edition of the WSPH series has increased the attendance compared with the previous one, testifying the growing interest of the stakeholders of this area. More than 1200 international physicians attended the 5th WSPH – Nice 2013.

The structure of the 6th WSPH consists in 13 sessions where world specialists in the field, divided in 13 Task Forces, present the results of their studies developed in the last two years and regarding some topic items:

1. Pathology & Pathobiology
2. Genetics & Genomics
3. Pathophysiology of the RV and of the Pulmonary Circulation
4. PH Haemodynamic Definitions and Clinical Classifications and Characteristics of Specific PAH Subgroups
5. Diagnosis of Pulmonary Hypertension
6. Risk Stratification and Medical Therapy of Pulmonary Arterial Hypertension
7. Right Ventricular Assistance and Lung Transplantation
8. Trials Design & New Therapies for Pulmonary Arterial Hypertension
9. PH due to Left Heart Diseases
10. PH due to Chronic Lung Diseases
11. CTEPH
12. Pediatric PH
13. Patients' Perspectives

The objectives of the 6th WSPH are:

- Review of the major advances in pulmonary vascular science in the past 5 years
- Analyze the available evidence in different basic and clinical areas by expert 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 supplement (prestigious medical journal) to facilitate the implementation of the 6th WSPH conclusions.

Our purpose is to foster with the Symposium constructive scientific interactions and collaborations in the very unique scenario of the bay of Nice.

For the Steering Committee
Nazzareno Galiè
Vallerie V. McLaughlin
Lewis J. Rubin
Gérald Simonneau

ENDORSEMENTS

ESC Working Group Pulmonary Circulation & Right Ventricular Function

ERS EUROPEAN RESPIRATORY SOCIETY

International Society for Heart & Lung Transplantation

European Reference Network for rare or low prevalence complex diseases

AEPC EUROPEAN ASSOCIATION FOR PEDIATRIC AND CONGENITAL CARDIOLOGY

PHA EUROPE EUROPEAN PULMONARY HYPERTENSION ASSOCIATION

PHA Pulmonary Hypertension Association Empowered by hope

pha UK Influence. Hope. Integrity.

SOCIEDAD LATINA DE HIPERTENSIÓN PULMONAR

PHA JAPAN

PHA KOREA

The Symposium Steering Committee

- **Adaani Frost, MD**
  Houston, TX – USA
- **Nazzareno Galiè, MD**
  Bologna, Italy
- **Ardeschir H. Ghofrani, MD**
  Giessen, Germany
- **Marc Humbert, MD**
  Paris, France
- **Anne Margaret Keogh, MD**
  Sydney, Australia
- **Michael D. McGoon, MD**
  Rochester, MN – USA
- **Vallerie V. McLaughlin, MD**
  Ann Arbor, MI – USA
- **Nicholas W. Morrell, MD**
  Cambridge, UK
- **Lewis J. Rubin, MD**
  San Diego, CA – USA
- **Werner Seeger, MD**
  Giessen, Germany
- **Gérald Simonneau, MD**
  Paris, France
- **Rogerio Souza, MD**
  Sao Paulo, Brazil

The Symposium Secretariat

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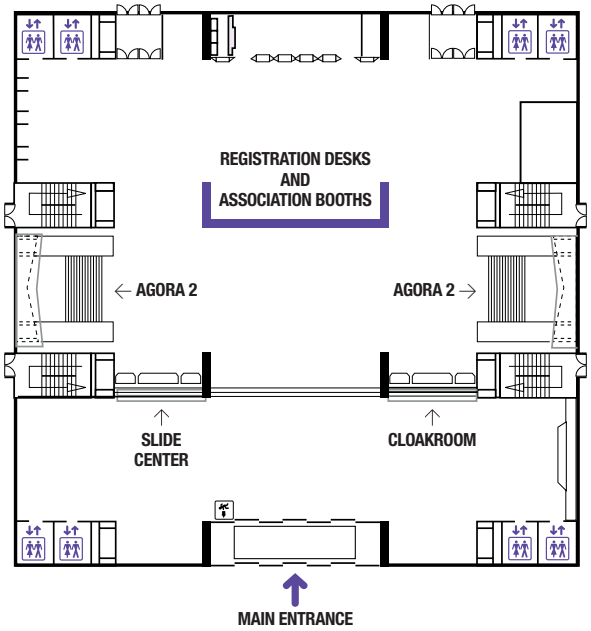
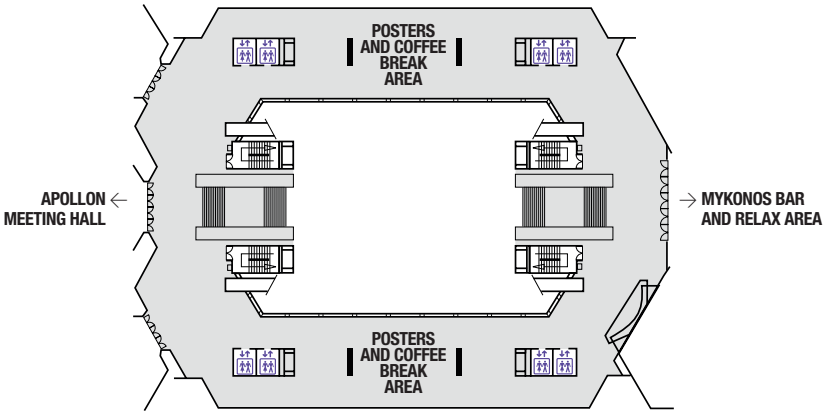
Map of the Acropolis

CONGRESS CENTER

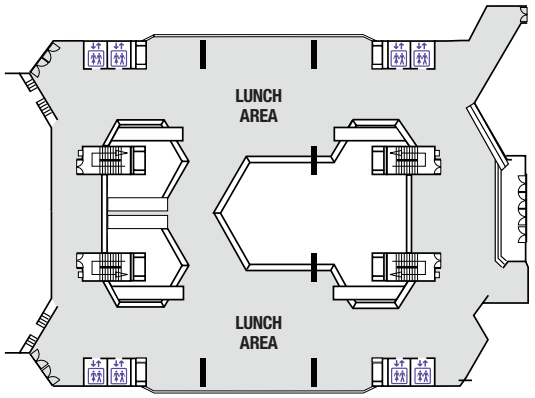
Agora 1



Agora 2



Agora 3



Symposium timetable

TF=Task Force

time	Tuesday, February 27	time	Wednesday, February 28	Thursday, March 1
08.30-09.00 Apollon Hall	Opening Ceremony			
09.00-10.30 Apollon Hall	TF 1. Pathology & Pathobiology	09.00-10.30 Apollon Hall	TF 6. Risk Stratification and Medical Therapy of Pulmonary Arterial Hypertension	TF 10. PH due to Chronic Lung Diseases
10.30-11.00 Agora 2	coffee break	10.30-11.00 Agora 2	coffee break	coffee break
11.00-12.30 Apollon Hall	TF 2. Genetics & Genomics	11.00-12.30 Apollon Hall	TF 7. Right Ventricular Assistance and Lung Transplantation	TF 11. CTEPH
12.30-13.00 Apollon Hall	Best Poster Awards Ceremony	12.30-14.00 Agora 2 and 3	Lunch and posters	Lunch and posters
13.00-14.00 Agora 2 and 3	Lunch and posters			
14.00-15.30 Apollon Hall	TF 3. Pathophysiology of the RV and of the Pulmonary Circulation	14.00-15.30 Apollon Hall	TF 8. Trials Design & New Therapies for Pulmonary Arterial Hypertension	TF 12. Pediatric PH
15.30-16.00 Agora 2	coffee break	15.30-16.00 Agora 2	coffee break	coffee break
16.00-17.30 Apollon Hall	TF 4. PH Haemodynamic Definitions and Clinical Classifications and Characteristics of Specific PAH Subgroups	16.00-17.30 Apollon Hall	TF 9. PH due to Left Heart Diseases	TF 13. Patients' Perspectives
17.30-19.00 Apollon Hall	TF 5. Diagnosis of Pulmonary Hypertension	17.30-18.00 Apollon Hall		Final remarks and next steps

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Scientific Program

TUESDAY, FEBRUARY 27

APOLLON HALL

08.30 - 09.00

Opening Ceremony

Nazzareno Galiè, Bologna ITALY
Vallerie V. McLaughlin, Ann Arbor MI USA
Lewis J. Rubin, La Jolla CA USA
Gérald Simonneau, Paris FRANCE

09.00-10.30

Task Force 1. Pathology & Pathobiology

CHAIR: **MARC HUMBERT**, *Paris FRANCE*
CHAIR: **MARLENE RABINOVITCH**, *Stanford CA USA*
SEBASTIEN BONNET, *Chemin Sainte-Foy CANADA*
PETER DORFMÜLLER, *Paris FRANCE*
CHRISTOPHE GUIGNABERT, *Le Plessis Robinson FRANCE*
JAMES R. KLINGER, *Rhode Island RI USA*
MARK R. NICOLLS, *Stanford CA USA*
ANDREA J. OLSCHEWSKI, *Graz AUSTRIA*
SONI SAVAI PULLAMSETTI, *Bad Nauheim GERMANY*
RALPH T. SCHERMULY, *Giessen GERMANY*
KURT R. STENMARK, *Aurora CO USA*

Objectives:

- State of the art
- Main bench to bedside achievements
- Recommendation on how to identify most relevant pathways
- Most appropriate cells, tissues and animal models
- Proposed Future Directions (specific and detailed)

AGORA 2

10.30-11.00

coffee break

APOLLON HALL

11.00-12.30

Task Force 2. Genetics & Genomics

CHAIR: **NICHOLAS W. MORRELL**, *Cambridge UK*
CHAIR: **JAMES E. LOYD**, *Nashville TN USA*
MICHEALA ALDRED, *Cleveland OH USA*
WENDY KAY CHUNG, *New York NY USA*
GREGORY ELLIOTT, *Salt Lake City UT USA*
WILLIAM NICHOLS, *Cincinnati OH USA*
FLORENT SOUBRIER, *Paris FRANCE*
RICHARD C. TREMBATH, *London UK*

Objectives:

- State of the Art
- Pathobiology links between mutations and disease (why low penetrance)
- Genetic counselling and healthy mutation carriers
- Practical application of genomics
- Proposed Future Directions (specific and detailed)

12.30-13.00

Best Poster Awards Ceremony

AGORA 2 and 3

13.00-14.00

Lunch and posters

TUESDAY, FEBRUARY 27

APOLLON HALL

14.00-15.30

Task Force 3. Pathophysiology of the RV and of the pulmonary circulation

CHAIR: **ROBERT NAEIJE**, *Brussels BELGIUM*
CHAIR: **ANTON VONK NOORDEGRAAF**, *Amsterdam THE NETHERLANDS*
KELLY MARIE CHIN, *Dallas TX USA*
FRANÇOIS HADDAD, *Palo Alto CA USA*
PAUL M. HASSOUN, *Baltimore MD USA*
ANNA R. HEMNES, *Nashville TN USA*
SUSAN R. HOPKINS, *San Diego CA USA*
STEVEN M. KAWUT, *Philadelphia PA USA*
DAVID LANGLEBEN, *Montreal CANADA*
JOOST LUMENS, *Maastricht THE NETHERLANDS*

Objectives:
- State of the Art
- Main bench to bedside achievements
- MRI, echocardiography and metabolic studies
- Early detection and irreversibility thresholds of RV dysfunction
- Proposed Future Directions (specific and detailed)

AGORA 2

15.30-16.00

coffee break

APOLLON HALL

16.00-17.30

Task Force 4. PH haemodynamic definitions and clinical classifications and characteristics of specific PAH subgroups

CHAIR: **GERALD SIMONNEAU**, *Paris FRANCE*
CHAIR: **ROGERIO SOUZA**, *Sao Paulo BRAZIL*
DAVID S. CELERMAJER, *Sydney AUSTRALIA*
CHRISTOPHER P. DENTON, *London UK*
MICHAEL A. GATZOULIS, *London UK*
MICHAEL KROWKA, *Rochester MN USA*
DAVID MONTANI, *Paris FRANCE*
PAUL WILLIAMS, *Johannesburg SOUTH AFRICA*

Objectives:
- State of the art
- Haemodynamic definitions
- Atypical PAH
- PVOD

17.30 - 19.00

Task Force 5. Diagnosis of pulmonary hypertension

CHAIR: **ADAANI FROST**, *Houston TX USA*
CHAIR: **ADAM TORBICKI**, *Otwock POLAND*
DAVID B. BADESCH, *Aurora CO USA*
SIMON GIBBS, *London UK*
DEEPA GOPALAN, *London UK*
DINESH KHANNA, *Ann Arbor MI USA*
ALESSANDRA MANES, *Bologna ITALY*
RONALD J. OUDIZ, *Torrance Los Angeles CA USA*
TORU SATOH, *Mitaka JAPAN*
FERNANDO TORRES, *Dallas TX USA*

Objectives:
- State of the art
- Practice recommendations
- New diagnostic tools?
- Proposed future directions (specific and detailed)

Scientific Program

WEDNESDAY, FEBRUARY 28

APOLLON HALL
09.00-10.30
Task Force 6. Risk stratification and medical therapy of pulmonary arterial hypertension
CHAIR: **NAZZARENO GALIÈ**, *Bologna ITALY*
CHAIR: **VALLERIE V. MCLAUGHLIN**, *Ann Arbor MI USA*
RICHARD N. CHANNICK, *Boston MA USA*
ROBERT P. FRANTZ, *Rochester MN USA*
EKKEHARD GRÜNIG, *Heidelberg GERMANY*
ZHI CHENG JING, *Beijing CHINA*
IOANA R. PRESTON, *Boston MA USA*
TOMAS PULIDO, *Mexico City MEXICO*
ZEENAT SAFDAR, *Houston TX USA*
YUICHI TAMURA, *Tokyo JAPAN*

Objectives:
- State of the art
- Practice recommendations
- General measures and non-specific therapy (pregnancy, a/c therapy, rehabilitation)
- Proposed future directions (specific and detailed)

AGORA 2
10.30-11.00
coffee break

APOLLON HALL
11.00-12.30
Task Force 7. Right ventricular assistance and lung transplantation
CHAIR: **WALTER KLEPETKO**, *Vienna AUSTRIA*
CHAIR: **MARIUS HOEPER**, *Hanover GERMANY*
RAYMOND L. BENZA, *Pittsburgh PA USA*
PAUL A. CORRIS, *Newcastle Upon Tyne UK*
MARC DE PERROT, *Toronto CANADA*
ELIE FADEL, *Paris FRANCE*
ANNE M. KEOGH, *Sydney AUSTRALIA*
CHRISTIAN KÜHN, *Hanover GERMANY*
LAURENT SAVALE, *Paris FRANCE*

Objectives:
- State of the art
- ICU management of severe PH
- Practice recommendations
- Proposed future directions (specific and detailed)

AGORA 2 and 3
12.30-14.00
Lunch and posters

APOLLON HALL
14.00-15.30
Task Force 8. Trials design and new therapies for pulmonary arterial hypertension
CHAIR: **LEWIS J. RUBIN**, *La Jolla CA USA*
CHAIR: **OLIVIER SITBON**, *Paris FRANCE*
CHRISTINE GARNETT, *Silver Spring MD USA*
AMANY N. EL-GAZAYERLY, *The Hague THE NETHERLANDS*
MARDI I. GOMBERG MAITLAND, *Falls Church VA USA*
JOHN GRANTON, *Toronto CANADA*
MICHAEL I. LEWIS, *Los Angeles CA USA*
STEPHEN C. MATHAI, *Baltimore MD USA*
MAURIZIO RAINISIO, *Imperia ITALY*
NORMAN STOCKBRIDGE, *Silver Spring MD USA*
MARTIN R. WILKINS, *London UK*
ROHAM ZAMANIAN, *Stanford CA USA*

Objectives:
- State of the art
- Current challenges
- Proposed future directions (specific and detailed)

AGORA 2
15.30-16.00
coffee break

WEDNESDAY, FEBRUARY 28

APOLLON HALL

16.00-17.30

Task Force 9. PH due to left heart diseases

CHAIR: **JEAN LUC VACHIERY**, *Brussels BELGIUM*
CHAIR: **TERESA DE MARCO**, *San Francisco CA USA*
IRINA CHAZOVA, *Moscow RUSSIAN FEDERATION*
JOHN G. COGHLAN, *London UK*
MARCO GUAZZI, *Milan ITALY*
IRENE LANG, *Vienna AUSTRIA*
MASSIMILIANO PALAZZINI, *Bologna ITALY*
STEPHAN H. ROSENKRANZ, *Cologne GERMANY*
RYAN J. TEDFORD, *Baltimore MD USA*

Objectives:
- State of the art
- Current challenges
- Vasoreactivity testing in left heart disease
- Proposed future directions (specific and detailed)

THURSDAY, MARCH 1

APOLLON HALL

09.00-10.30

Task Force 10. PH due to chronic lung diseases

CHAIR: **WERNER SEEGER**, *Giessen GERMANY*
CHAIR: **STEVEN D. NATHAN**, *Falls Church VA USA*
JOAN ALBERT BARBERÀ, *Barcelona SPAIN*
SEAN P. GAINE, *Dublin IRELAND*
SERGIO HARARI, *Milan ITALY*
FERNANDO JOSE MARTINEZ, *Ann Arbor MI USA*
HORST OLSCHEWSKI, *Graz AUSTRIA*
KAREN M. OLSSON, *Hanover GERMANY*
ANDREW J. PEACOCK, *Glasgow UK*
JOANNA PEPKE-ZABA, *Cambridge UK*
STEEVE PROVENCHER, *Chemin Sainte-Foy CANADA*
NORBERT WEISSMANN, *Giessen GERMANY*

Objectives:
- State of the art
- Current challenges
- Proposed future directions (specific and detailed)

AGORA 2

10.30-11.00

coffee break

Scientific Program

THURSDAY, MARCH 1

APOLLON HALL
11.00-12.30
Task Force 11. CTEPH
CHAIR: **ARDESCHIR H. GHOFRANI**, *Giessen GERMANY*
CHAIR: **NICK H. KIM**, *La Jolla CA USA*
CHAIR: **DAVID P. JENKINS**, *Cambridge UK*
MARION DELCROIX, *Leuven BELGIUM*
XAVIER JAIS, *Paris FRANCE*
MICHAEL M. MADANI, *San Diego CA USA*
HIROMI MATSUBARA, *Okayama JAPAN*
ECKHARD MAYER, *Bad Nauheim GERMANY*
TAKESHI OGO, *Osaka JAPAN*
VICTOR F. TAPSON, *Durham NC USA*

Objectives:
- State of the art
- Current challenges
- Treatment selection
- Proposed future directions (specific and detailed)

AGORA 2 and 3
12.30-14.00
Lunch and posters

APOLLON HALL
14.00-15.30
Task Force 12. Pediatric PH
CHAIR: **ERIKA BERMAN ROSENZWEIG**, *New York NY USA*
CHAIR: **ROLF M.F. BERGER**, *Groningen THE NETHERLANDS*
STEVEN ABMAN, *Aurora CO USA*
IAN T. K. ADATIA, *Edmonton CANADA*
MAURICE BEGHETTI, *Geneve SWITZERLAND*
DAMIEN BONNET, *Paris FRANCE*
SHEILA G. HAWORTH BUSK, *LondonUK*
DAVID D. IVY, *Aurora CO USA*

Objectives:
- State of the art
- Current challenges
- Proposed future directions (specific and detailed)

AGORA 2
15.30-16.00
coffee break

APOLLON HALL
16.00-17.30
Task Force 13. Patients' perspectives
CHAIR: **MICHAEL D. MCGOON**, *Rochester MN USA*
CHAIR: **PISANA FERRARI**, *Milan ITALY*
IAIN ARMSTRONG, *Sheffield UK*
MIGDALIA DENIS, *Miami FL USA*
LUKE S. HOWARD, *London UK*
SANJAY MEHTA, *London CANADA*
NORIKO MURAKAMI, *Yamatoshi JAPAN*
BRAD A. WONG, *Silver Spring MD USA*

Objectives:
- Mission
- Narrative medicine (disease, illness, sickness)
- Current challenges
- Proposed future directions (specific and detailed)

17.30-18.00
Final remarks and next steps
Nazzareno Galiè, Vallerie V. McLaughlin, Gérald Simonneau, Lewis J. Rubin

BEST POSTER AWARDS

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

BASIC SCIENCE

1 IMMUNE REPERTOIRE-BASED SIGNATURES IN THE BLOOD AND IN THE LUNG VESSEL-ASSOCIATED TERTIARY LYMPHOID TISSUE IN PRE-CAPILLARY PULMONARY HYPERTENSION

Sylvia Cohen-Kaminsky*[2], Sébastien J Dumas[2], , Isabelle Klingel-Schmitt[3], Matthieu Vocelle[3], Anais Courtier[4], Orchidee Filipe-Santo[4], Gilles Parmentier[4], Solène Perez[4], Caroline Suberbielle[5], Sophie Caillat-Zucman[6], Gerald Simonneau[2], Frederic Perros[3], Marc Humbert[2], Morad Nakhleh[3], David Montani[2], Barbara Girerd[2], Andrei Seferian[2], Peter Dorfmüller[1]

[1]INSERM UMR-S 999, Hôpital Marie Lannelongue. Univ. Paris-Sud, Faculté de Médecine, Université Paris-Saclay ~ Le Plessis Robinson 92350 ~ France, [2]INSERM UMR-S 999, Hôpital Marie Lannelongue, Univ. Paris-Sud, Faculté de Médecine, Université Paris-Saclay, Le Plessis-Robinson F-92350, AP-HP Assistance Publique-Hôp de Paris, Service de Pneumologie, Hôpital Bicêtre, Le Kremlin-Bicêtre F-94270, France ~, [3] INSERM UMR-S 999, Hôpital Marie Lannelongue. Univ. Paris-Sud, Faculté de Médecine, Université Paris-Saclay, Le Plessis Robinson, F-92350 ~ France, [4]Former (Research and Development, ImmunID Technologies), Grenoble F-38054 ~ France, [5]Regional Histocompatibility Laboratory IR7, APHP, Hopital Saint Louis, Paris, F-75010 ~ France, [6] Unit of Immunology and Genetics of Type 1 Diabetes., INSERM U986, Hôpital St-Vincent de Paul; Université Paris Descartes, Faculté de Médecine, Paris F-75014 ~ France

2 A GENOME-WIDE ASSOCIATION STUDY IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION.

Michael Newnham*[1], Mark Toshner[1], Marta Bleda[1], William Auger[2], Joan Albert Barberà[3], Harm Jan Bogaard[4], John Cannon[5], Gerry Coghlan[6], Paul Corris[7], Marion Delcroix[8], John Dunning[5], Heather Elding[9], Simon Gibbs[10], Charaka Hadinnapola[1], David Jenkins[5], David Kiely[11], Irene Lang[12], Eckhard Mayer[13], Choo Ng[5], Andrew Peacock[14], Nicholas Screaton[5], Karen Sheares[5], Michael Simpson[15], Nicole Soranzo[9], Dolores Taboada[5], Richard Trembath[15], Steven Tsui[5], Martin Wilkins[16], Stephen John Wort[17], Stefan Gräf[1], Joanna Pepke-Zaba[5], Nicholas Morrell[1]

[1]University of Cambridge ~ Cambridge ~ United Kingdom, [2]UC San Diego ~ San Diego ~ United States of America, [3]University of Barcelona ~ Barcelona ~ Spain, [4] VU Medical Centre ~ Amsterdam ~ Netherlands, [5]Papworth Hospital ~ Cambridge ~ United Kingdom, [6]Royal Free Hospital ~ London ~ United Kingdom, [7]Newcastle University ~ Newcastle ~ United Kingdom, [8]KU Leuven - University of Leuven ~ Leuven ~ Belgium, [9]Wellcome Trust Sanger Institute ~ Cambridgeshire ~ United Kingdom, [10]Hammersmith Hospital ~ London ~ United Kingdom, [11]Royal Hallamshire Hospital ~ Sheffield ~ United Kingdom, [12]Medical University of Vienna ~ Vienna ~ Austria, [13]Kerckhoff Heart and Lung Center ~ Bad Nauheim ~ Germany, [14]Golden Jubilee Hospital ~ Glasgow ~ United Kingdom, [15]Kings College ~ London ~ United Kingdom, [16]Imperial College ~ London ~ United Kingdom, [17]Royal Brompton Hospital ~ London ~ United Kingdom

3 GENETIC ANALYSIS OF 2,156 WHO GROUP 1 PAH PATIENTS ENROLLED IN THE PAH BIOBANK

Michael Pauciulo*, Katie Lutz, Anna Walsworth, Lisa Martin, William Nichols

Cincinnati Children's Hospital Medical Center ~ Cincinnati ~ United States of America

POSTER SESSION

BEST POSTER AWARDS

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CLINICAL SCIENCE

4 REDUCED RIGHT VENTRICULAR CONTRACTILE RESERVE IN PATIENTS WITH SYSTEMIC SCLEROSIS AND BORDERLINE PULMONARY ARTERIAL PRESSURES

Alberto Maria Marra*[1], Christian Nagel[1], Benjamin Egenlauf[1], Satenik Harutyunova[1], Norbert Blank[2], Hanns-Martin Lorenz[2], Christoph Fiehn[3], Nicola Benjamin[1], Christine Fischer[4], Antonio Cittadini[5], Eduardo Bossone[6], Ekkehard Grünig[1]

[1]Centre for Pulmonary Hypertension at Thoraxclinic, University Hospital Heidelberg, Heidelberg, Germany ~ Heidelberg ~ Germany, [2]Department of Rheumatology, University Hospital Heidelberg, Heidelberg, Germany ~ Heidelberg ~ Germany, [3] Praxis für Rheumatologie und klinische Immunologie ~ Baden-Baden ~ Germany, [4] Department of Human Genetics; University of Heidelberg; ~ Heidelberg ~ Germany, [5]Department of Translational Medical Sciences ~ Naples ~ Italy, [6]Department, Cardiology Division, "Cava de' Tirreni and Amalfi Coast" Hospital, University of Salerno, Salerno, Italy ~ Salerno ~ Israel

5 RISK ASSESSMENT IN SCLERODERMA PATIENTS WITH NEWLY DIAGNOSED PULMONARY ARTERIAL HYPERTENSION: APPLICATION OF THE ESC/ERS RISK PREDICTION MODEL

Valentina Mercurio*, Nermin Diab, Grace Peloquin, Rachel Damico, Todd Kolb, Stephen Mathai, Paul Hassoun

Johns Hopkins University ~ Baltimore ~ United States of America

6 IDENTIFICATION OF GENETIC DEFECTS IN PULMONARY ARTERIAL HYPERTENSION BY A NEW GENE PANEL DIAGNOSTIC TOOL

Jie Song*[1], Christina Alessandra Eichstaedt[1], Rebecca Rodriguez Viales[2], Nicola Benjamin[1], Satenik Harutyunova[1], Christine Fischer[3], Katrin Hinderhofer[3], Ekkehard Grünig[1]

[1]Thoraxclinic at the University Hospital Heidelberg ~ Heidelberg ~ Germany, [2] European Molecular Biology Laboratory ~ Heidelberg ~ Germany, [3]Institute of Human Genetics, Heidelberg University ~ Heidelberg ~ Germany

7 EFFECTIVENESS OF PERCUTANEOUS TRANSLUMINAL PULMONARY ANGIOPLASTY FOR LONG-TERM OUTCOMES IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Kaori Takeuchi*[2], Takumi Inami[2], Masaharu Kataoka[1], Hanako Kikuchi[2], Shigeta Yohei[2], Ayumi Goda[2], Haruhisa Ishiguro[2], Hideaki Yoshino[2], Toru Satoh[2]

[1]Keio University School of Medicine ~ Tokyo ~ Japan, [2]Kyorin University School of Medicine ~ Tokyo ~ Japan

8 SEQUENTIAL HYBRID THERAPY WITH PULMONARY ENDARTERECTOMY AND ADDITIONAL BALLOON PULMONARY ANGIOPLASTY FOR CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION.

Kenichi Yanaka*[1], Kazuhiko Nakayama[1], Toshiro Shinke[1], Hiromasa Otake[1], Hiroyuki Kawamori[1], Yuto Shinkura[1], Naoki Tamada[1], Hiroyuki Onishi[1], Yasunori Tsuboi[1], Seimi Kobayashi[1], Hiroshi Tanaka[2], Yutaka Okita[2], Noriaki Emoto[1], Ken-Ichi Hirata[1]

[1]Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine ~ Kobe ~ Japan, [2]Division of Cardiovascular Surgery, Department of Surgery, Kobe University Graduate School of Medicine ~ Kobe ~ Japan

9 EARLY DETECTION OF PULMONARY ARTERIAL HYPERTENSION IN APPARENTLY HEALTHY CHILDREN BY MANDATORY ELECTROCARDIOGRAPHY SCREENING: A JAPANESE NATIONWIDE SURVEY

Mitani Yoshihide*[1], Sawada Hirofumi[1], Nakayama Tomotaka[2], Fukushima Hiroyuki[3], Kogaki Shigetoyo[4], Igarashi Takehiro[5], Ichida Fukiko[6], Ono Yasuo[7], Nakanishi Toshio[8], Doi Shozaburo[9], Ishikawa Shiro[10], Matsushima Masaki[11], Yamada Osamu[5], Saji Tsutomu[2]

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A10 PAH-MIMICKING CHIP TO ELUCIDATE THE DISEASE PATHOGENESIS AND SCREEN ANTI-PAH DRUGS

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A11 URIC ACID CAUSES EXCESSIVE PULMONARY ARTERIAL SMOOTH MUSCLE CELL PROLIFERATION VIA URATV1 UPREGULATION IN PULMONARY ARTERIAL HYPERTENSION

Satoshi Akagi*, Tamura Yuichi, Tu Ly, Phan Carole, Thuillet Raphaël, Sekine Ayumi, Huertas Alice, Humbert Marc, Guignabert Christophe

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A12 HEPARAN SULFATE IMBALANCE AND FINE STRUCTURAL MODIFICATIONS OF THEIR SULFATION PATTERNS IN LUNG ARE ASSOCIATED WITH FUNCTIONAL EFFECTS IN PRECAPILLARY PULMONARY HYPERTENSION

Patricia Albanese*[2], Sébastien Dumas[3], Benoit Ranchoux[3], Sara Shamdani[2], Sandrine Chantepie[2], Emilie Henault[2], David Montani[1], Barbara Girerd[1], Peter Dormuller[3], Elie Fadel[3], Philippe Dartevelle[3], Frederic Perros[3], Marc Humbert[1], Dulce Papy-Garcia[2], Sylvia Cohen-Kaminsky[1]

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A13 EXPERIMENTAL AND HUMAN PULMONARY VENO-OCCLUSIVE DISEASE: SIMILARITIES AND DIFFERENCES

Fabrice Antigny*[1], Esther Nossent[2], Melanie Lambert[1], Benoit Ranchoux[1], Audrey Courboulin[1], Barbara Girerd[3], Florent Soubrier[4], Florence Lecerf[1], Aurélie Hautefort[1], Harm Jan Bogaard[2], Elie Fadel[1], Gerald Simonneau[3], Anton Vonk Noordegraaf[2], Katrien Grünberg[2], Marc Humbert[1], David Montani[3], Peter Dorfmuller[1], Frederic Perros[1]

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A14 FORMINS MAY REGULATE ENDOTHELIAL TO MESCHYMAL TRANSITION VIA VASCULAR ENDOTHELIAL CADHERIN

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A15 NEUTRALIZATION OF CXCL12 REVERSES PULMONARY VASCULAR REMODELING BY DECREASING PULMONARY ARTERIAL SMOOTH MUSCLE CELL ACCUMULATION

Jennifer Bordenave*[1], Raphaël Thuillet[1], Ly Tu[1], Carole Phan[1], Gérald Simonneau[1], Alice Huertas[1], Marcel Hibert[2], Dominique Bonnet[2], Marc Humbert[1], Nelly Frossard[2], Christophe Guignabert[1]

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A16 COMPREHENSIVE CHARACTERIZATION OF MESENCHYMAL STEM CELLS IN PAH

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A17 INDOLEAMINE-2,3-DIOXYGENASE AS A POTENTIAL THERAPEUTIC TARGET OF PULMONARY HYPERTENSION

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A18 APELIN-13 CO-TREATMENT WITH UMBILICAL CORD BLOOD-DERIVED MESENCHYMAL STEM CELLS IMPROVES ENGRAFTED CELL SURVIVAL AND INHIBITS MACROPHAGE ACTIVATION IN PULMONARY ARTERIAL HYPERTENSION MURINE MODEL

Seungbum Choi*[1], Byeong-Ju Lee[2], Seyeon Oh[1], Kuk Hui Son[1], Duk-Kyung Kim[2], Hanul Choi[2], Jeongwon Ryu[3], Hae Ok Jung[4], Kyunghee Byun[1], Kevin Chung[1]

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A19 NMDA-TYPE GLUTAMATE RECEPTOR ACTIVATION PROMOTES VASCULAR REMODELING AND PULMONARY ARTERIAL HYPERTENSION

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A20 RASSF1A REGULATES HIF-1: TRIGGERING A FEED FORWARD LOOP IN HYPOXIA DRIVEN PULMONARY HYPERTENSION

Swati Dabral*[1], Christian Muecke[1], Rajkumar Savai[1], Chanil Valsarajan[1], Astrid Wietelmann[1], Gregg Semenza[3], Christos Samakovalis[2], Norbert Weissmann[2], Friedrich Grimminger[2], Werner Seeger[2], Reinhard Dammann[2], Soni Savai Pullamsetti[1]

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A21 INFLUENCE OF 16ALPHA-OHE2 ON MIGRATION AND ARYL HYDROCARBON RECEPTOR SIGNALLING IN BLOOD OUTGROWTH ENDOTHELIAL CELLS IN PAH.

Nina Denver*[1], Craig Docherty[1], Katie Yates Harvey[1], Ruth Andrew[2], Natalie Homer[2], Nicholas Morrell[3], Margaret Maclean[1]

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A22 A MEASUREMENT OF THE COMMON CAROTID ARTERY IN PATIENTS WITH PULMONARY HYPERTENSION

Gunnar Einarsson*[2], Dan Henrohn[2], Frida Ulander[2], Tord Naessén[1], Marita Larsson[1], Gerhard Wikström[2]

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A23 HISTONE DEACETYLASE 7 MEDIATES HYPOXIA-INDUCED MITOCHONDRIAL REPROGRAMING IN PULMONARY HYPERTENSION AND CANCER

Elisabetta Gamen*[1], Prakash Chelladurai[1], Werner Seeger[2], Soni Savai Pullamsetti[1]

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A24 COMPLEMENTARY AND INTEGRATED VALUE OF SIX-MINUTE WALK TEST, VE/VCO2 SLOPE AND RIGHT ATRIAL STRAIN IN EARLY DETECTION OF FUNCTIONAL IMPAIRMENT AND VASCULAR INVOLVEMENT IN SYSTEMIC SCLEROSIS PATIENTS

Miriam Gravellone*, Ailia Giubertoni, Jacopo Zanaboni, Cristina Piccinino, Paolo Nicola Marino

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A25 BIOMARKER DISCOVERY IN PULMONARY ARTERIAL HYPERTENSION: EXERCISE TRAINING, OR NIGHTLY OXYGEN

Gabriele Grunig*[1], Christina Eichstaedt[3], Nedim Durmus[1], Stéphanie Saxer[4], Konrad E Bloch[4], Silvia Ulrich[4], Ekkehard Gruenig[3], Serhiy Pylawka[2]

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A26 CHARACTERIZATION OF RATS MUTATED IN BMPR2: THE MAIN GENETIC RISK FACTOR FOR PAH

Aurélie Hautefort*[1], Catherine Rucker-Martin[1], Boris Manoury[2], Melanie Lambert[1], Angele Boet[1], Florence Lecerf[1], Peter Dorfmuller[1], Séverine Ménoret[3], Laurent Tesson[3], Igniacio Anegon[3], David Montani[4], Barbara Girerd[4], Marc Humbert[4], Fabrice Antigny[1], Frederic Perros[1]

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A27 PROPOSAL OF CLINICAL DIAGNOSTIC CRITERIA FOR PULMONARY VENO-OCCLUSIVE DISEASE (PVOD) BASED ON THE PVOD REGISTRY STUDY IN JAPAN

Hatsue Ishibashi-Ueda*[1], Keiko Ohta-Ogo[1], Seiichiro Sakao[2], Nobuhiro Tanabe[3], Teruaki Oka[4], Masanori Kitaichi[6], Norifumi Nakanishi[5], Toru Satoh[7], Hiromi Matsubara[8], Koichiro Tatsumi[2]

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A28 SELENOPROTEIN P PROMOTES THE DEVELOPMENT OF PULMONARY ARTERIAL HYPERTENSION -A POSSIBLE NOVEL THERAPEUTIC TARGET-

Nobuhiro Kikuchi*[1], Kimio Satoh[1], Ryo Kurosawa[1], Nobuhiro Yaoita[1], Mohammad Elias-Al-Mamun[1], Mohammad Abdul Hai Siddique[1], Junichi Omura[1], Taijyu Satoh[1], Masamichi Nogi[1], Shinichiro Sunamura[1], Satoshi Miyata[1], Yoshiro Saito[2], Yasushi Hoshikawa[3], Yoshinori Okada[4], Hiroaki Shimokawa[1]

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A29 ALTERED BMP SIGNALING BY ENDOTHELIN-1 TO ACCELERATE PROLIFERATION OF SMOOTH MUSCLE CELLS

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A30 SMOOTH MUSCLE PRIMES ENDOTHELIUM FOR REGENERATION BY LINKING METABOLISM TO EPIGENETICS

Kazuya Miyagawa*, Minyi Shi, Pin-I Chen, Jan Hennigs, Zhixin Zhao, Mouer Wang, Caiyun Li, Toshie Saito, Shalina Taylor, Silin Sa, Aiqin Cao, Lingli Wang, Michael Snyder, Marlene Rabinovitch

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A31 COMPARATIVE PHYSIOLOGICAL EVALUATION OF THE STATUS OF PULMONARY HEALTH IN YOUNG SMOKERS AND NON-SMOKERS

Natalia Mokina*, Vasily Pyatin, Egor Mokin

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A32 SCREENING OF AUTOANTIBODIES IN PATIENT WITH CHIRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION AND ITS VALIDATION IN PATIENT WITH PULMONARY HYPERTENSION

Akira Naito*[1], Tanabe Nobuhiro[2], Hiwasa Takaki[3], Jujo Takayuki[2], Sugiura Toshihiko[1], Sakao Seiichiro[1], Tatsumi Koichiro[1]

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A33 PULMONARY VASCULAR REMODELING PATTERNS AND EXPRESSION OF GCN2 IN PULMONARY VENO-OCCLUSIVE DISEASE.

Esther Nossent*[1], Antigny Fabrice[2], David Montani[3], Harm Jan Bogaard[1], Maria-Rosa Ghigna[4], Mélanie Lambert[2], Vincent Thomas De Montpréville[4], Barbara Girerd[3], Xavier Jaïs[3], Laurent Savale[3], Olaf Mercier[5], Elie Fadel[5], Florent Soubrier[6], Olivier Sitbon[3], Gérald Simonneau[3], Anton Vonk Noordegraaf[1], Marc Humbert[3], Frédéric Perros[2], Peter Dorfmüller[4]

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A34 WIDE COMPARATIVE STUDY ON ANTIPROLIFERATIVE VS VASODILATOR EFFECTS OF DRUGS USED FOR PULMONARY HYPERTENSION IN RAT AND HUMAN ARTERIES

Francisco Perez-Vizcaino*[1], Daniel Morales-Cano[1], Bianca Barreira[2], Laura Moreno[2], Joan A Barbera[2], Angel Cogolludo[1]

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A35 GUT-LUNG CONNECTION IN PULMONARY ARTERIAL HYPERTENSION

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A36 DASATINIB INCREASES ENDOTHELIAL PERMEABILITY LEADING TO PLEURAL EFFUSION

Carole Phan*[1], Etienne-Marie Jutant[1], Ly Tu[1], Raphael Thuillet[1], Andrei Seferian[1], David Montani[1], Alice Huertas[1], Jan Van Bezu[2], Fabian Breijer[2], Anton Vonk Noordegraaf[3], Marc Humbert[1], Jurjan Aman[4], Christophe Guignabert[1]

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A37 SHOULD WE CONSIDER PIRFENIDONE IN THE TREATMENT OF PULMONARY ARTERIAL HYPERTENSION?

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A38 LUNG CANCER–ASSOCIATED PULMONARY HYPERTENSION: ROLE OF MICROENVIRONMENTAL INFLAMMATION BASED ON TUMOR CELL-IMMUNE CELL CROSSTALK

Soni Pullamsetti*[1], Rajkumar Savai[1], Baktybek Kojonazarov[2], Samantha Storn[1], Henning Gall[2], Ylia Salazar[1], Janine Wolf[3], Andreas Weigert[4], Nefertiti El-Nikhely[1], Ardeschir Ghofrani[2], Gabriele Krombach[3], Ludger Fink[5], Stefan Gattenlöhner[6], Ulf Rapp[1], Ralph Schermuly[2], Friedrich Grimminger[2], Werner Seeger[2]

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A39 MITOMYCIN C INDUCES PULMONARY HYPERTENSION AND PATHOLOGIC SIGNS OF PULMONARY VASCULAR OCCLUSIVE DISEASE IN RABBITS

Rozenn Quarck*[1], Allard Wagenaar[2], Birger Tielemans[2], Aurélie Hautefort[3], Catharina Belge[1], Fabrice Antigny[3], David Montani[3], Marion Delcroix[1], Frédéric Perros[3]

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A40 TRICHLOROETHYLENE-INDUCED PERMEABILITY OF THE PULMONARY VASCULAR ENDOTHELIUM : A ROLE IN THE DEVELOPMENT OF PULMONARY VENO-OCCLUSIVE DISEASE ?

Marianne Riou*[1], Morad Nakhleh[2], Florence Lecerf[2], Marc Humbert[1], David Montani[1], Frederic Perros[2]

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A41 BLOCKADE OF ENDOTHELIN RECEPTOR TYPE B PROMOTE APOPTOSIS IN HUMAN PULMONARY ARTERIAL SMOOTH MUSCLE CELLS

Satoshi Sakai*, Hidekazu Maruyama, Taizo Kimura, Junya Honda, Kazuya Otsu, Satoshi Homma, Takashi Miyauchi, Kazutaka Aonuma

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A42 SHEAR-MEDIATED ERYTHROCYTE NITRIC OXIDE PRODUCTION IS DIFFERENTIALLY REGULATED IN PATIENTS WITH SICKLE CELL DISEASE

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A43 THE SIX-TRANSMEMBRANE PROTEIN STAMP2 PROTECTS FROM PULMONARY HYPERTENSION VIA ACTIONS IN MONONUCLEAR CELLS

Henrik Ten Freyhaus*, Mahreen Batool, Eva Berghausen, Marius Vantler, Stephan Rosenkranz

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A44 PHENOTYPING OF PULMONARY ARTERIAL ENDOTHELIAL CELLS ISOLATED FROM PATIENTS WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION AT DIAGNOSIS

Birger Tielemans*[1], Allard Wagenaar[1], Mathias Leys[2], Catharina Belge[2], Marion Delcroix[2], Rozenn Quarck[1]

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A45 BMPRII DRIVEN RESPONSE OF ENDOTHELIAL INTEGRITY AND ANGIOGENESIS IN HUMAN LUNG MICROVASCULAR ENDOTHELIAL CELLS

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A46 CONTRIBUTION OF BMP9 TO PULMONARY ARTERIAL HYPERTENSION:ROLE OF ENDOTHELIN-1

Ly Tu*[3], Ayumi Sekine[3], Christine Mallet[2], Jennifer Bordenave[3], Agnès Castan[2], Raphael Thuillet[3], Carole Phan[3], Paul-Benoit Poble[3], Jean-Jacques Feige[1], Alice Huertas[3], Marc Humbert[3], Sabine Bailly[2], Christophe Guignabert[3]

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A47 LONG NONCODING RNA TYKRIL PLAYS A ROLE IN PULMONARY HYPERTENSION BY CONTROLLING THE P53 MEDIATED REGULATION OF PDGFRß

Chanil Valasarajan*[1], Christoph Zehendner[2], Serge Thal[3], Astrid Werner[2], Jes-Niels Boeckel[2], Florian Bischoff[2], David John[2], Tyler Weirick[2], Simone Glaser[2], Oliver Rossbach[4], Nicolas Jaé[2], Shemsi Demolli[2], Regina Hummel[3], Karl-Friedrich Kreitner[5], Christian Möllmann[3], Katharina Michalik[2], Wei Chen[6], Werner Seeger[1], Shizuka Uchida[2], Andreas Zeiher[7], Stefanie Dimmeler[2], Soni Pullamsetti[1]

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A48 SEX HORMONE PROFILES PREDICT THE RISK AND SEVERITY OF DISEASE IN POST-MENOPAUSAL WOMEN WITH PULMONARY ARTERIAL HYPERTENSION

Corey Ventetuolo*[1], Grayson Baird[1], R Graham Barr[2], David Bluemke[3], Andrew Foderaro[1], Jason Fritz[4], Nicholas Hill[5], James Klinger[1], Joao Lima[6], Pamela Ouyang[6], Harold Palevsky[4], Amy Palmisciano[7], Diane Pinder[4], Ioana Preston[5], Thomas Walsh[7], Kari Roberts[5], Steven Kawut[4]

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A49 PLATELET FUNCTION ABNORMALITIES IN PULMONARY HYPERTENSION

Eleni Vrigkou*, Iraklis Tsangaris, Argyrios Tsantes, Dimitrios Konstantonis, Athanasios Pappas, Frantzeska Frantzeskaki, Michalis Rizos, Stylianos Orfanos, Apostolos Armaganidis

Attikon University Hospital ~ Athens ~ Greece

A50 RECEPTOR TYROSINE KINASE SIGNALING DRIVING "PSEUDO-MALIGNANT" LUNG VASCULAR REMODELING - THERAPEUTIC EXPLOITATION

Naga Dinesh Reddy Yerabolu*

Justus Liebig university Giessen ~ Giessen ~ Germany

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A51 THE UNITED STATES PULMONARY HYPERTENSION SCIENTIFIC REGISTRY (USPHSR): DESIGN AND INITIAL BASELINE CHARACTERISTICS

David Badesch*[1], Adaani Frost[4], Eric Austin[2], Jessica Badlam[1], Ray Benza[5], Wendy Chung[6], Harrison Farber[7], Kathy Feldkircher[9], Bill Nichols[8], Abby Poms[10], Chang Yu[2], C Greg Elliott[3]

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A52 DISCOVERY OF VASCULAR CELL-SPECIFIC EPIGENOMIC SIGNATURES, NOVEL TRANSCRIPTION FACTORS AND SIGNALING NETWORKS IN HUMAN PULMONARY ARTERIAL HYPERTENSION

Prakash Chelladurai*[1], Carsten Künne[1], Christine Weber[2], René Reiner Nötzold[2], Mario Schmoranzer[1], Mario Looso[1], Uta-Maria Bauer[2], Werner Seeger[1], Soni Savai Pullamsetti[1]

[1]Max-Planck Institute for Heart and Lung Research, Bad Nauheim ~ 61231 ~ Germany, [2]Institute of Molecular Biology and Tumor Research ~ Marburg ~ Germany

A53 PREVALENCE AND CLINICAL FEATURES OF BONE MORPHOGENETIC PROTEIN RECEPTOR TYPE 2 MUTATION IN KOREAN IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION PATIENTS

Wook-Jin Chung*[1], Jun Soo Lee[2], Seungbum Choi[1], Seyeon Oh[1], Hanul Choi[2], Kyung-Hee Kim[3], Kuk Hui Son[1], Hae Ok Jung[4], Jeongwon Ryu[1], Kyunghee Byun[1]

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A54 FIRST IDENTIFICATION OF KRÜPPEL-LIKE FACTOR 2 MUTATION IN HERITABLE PULMONARY ARTERIAL HYPERTENSION

Christina Eichstaedt*[1], Jie Song[1], Rebecca Rodríguez Viales[2], Zixuan Pan[1], Nicola Benjamin[1], Christine Fischer[3], Marius Hoeper[4], Silvia Ulrich[5], Katrin Hinderhofer[3], Ekkehard Grünig[1]

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A55 COMMON GENETIC BASIS FOR PULMONARY ARTERIAL HYPERTENSION AND HIGH ALTITUDE PULMONARY EDEMA

Christina Eichstaedt*[1], Heimo Mairbäurl[2], Jie Song[1], Nicola Benjamin[1], Christine Fischer[3], Katrin Hinderhofer[3], Ekkehard Grünig[1]

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A56 CLINICAL MANIFESTATION OF HEREDITARY PULMONARY ARTERIAL HYPERTENSION BY A "SECOND HIT" MUTATION IN THE GENES BMPR2 AND EIF2AK4

Christina Eichstaedt*[1], Jie Song[1], Rebecca Rodríguez Viales[2], Nicola Benjamin[1], Satenik Harutyunova[1], Christine Fischer[3], Katrin Hinderhofer[3], Ekkehard Grünig[1]

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A57 LANDSCAPE OF MUTATIONS FOUND BY GENE PANEL ROUTINE SEQUENCING FOR PULMONARY HYPERTENSION

Mélanie Eyries*[1], Anne Leroy[1], Barbara Girerd[2], David Montani[2], Marilyne Levy[3], Damien Bonnet[3], Arnaud Bourdin[4], Romain Tresorier[5], Ari Chaouat[6], Vincent Cottin[7], Céline Sanfiorenzo[8], Grégoire Prevot[9], Martine Reynaud-Gaubert[12], Claire Dromer[10], Ali Houeijeh[11], Marc Humbert[2], Florent Soubrier[1]

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A58 NOVEL CAUSATIVE GENES FOR HERITABLE PULMONARY ARTERIAL HYPERTENSION

Stefan Gräf*[1], Matthias Haimel[1], Marta Bleda[1], Charaka Hadinnapola[1], Wei Li[1], Joshua Hodgson[1], Bin Liu[1], Richard M Salmon[1], Mark Southwood[2], Laura Southgate[3], Rajiv D Machado[4], Jennifer M Martin[1], Carmen M Treacy[1], Katherine Yates[1], Louise C Daugherty[1], Olga Shamardina[1], Deborah Whitehorn[1], Simon Holden[5], Micheala Aldred[6], Harm J Bogaard[7], Colin Church[8], Gerry Coghlan[9], Robin Condliffe[11], Paul A Corris[14], Cesare Danesino[15], Mélanie Eyries[16], Henning Gall[18], Stefano Ghio[19], Hossein-Ardeschir Ghofrani[18], J Simon R Gibbs[20], Barbara Girerd[21], Arjan C Houweling[7], Luke Howard[10], Marc Humbert[21], David G Kiely[11], Gabor Kovacs[23], Robert V Mackenzie Ross[17], Shahin Moledina[22], David Montani[21], Michael Newnham[1], Andrea Olschewski[6], Horst Olschewski[6], Andrew J Peacock[8], Joanna Pepke-Zaba[2], Inga Prokopenko[10], Christopher J Rhodes[10], Laura Scelsi[19], Werner Seeger[18], Florent Soubrier[16], Jay Suntharalingam[17], Emilia Swietlik[1], Mark R Toshner[1], Anton Vonk Noordegraaf[7], Quintin Waisfisz[7], John Wharton[10], Stephen J Wort[10], Nicole Soranzo[13], Willem H Ouwehand[1], Allan Lawrie[11], Paul D Upton[1], Richard C Trembath[12], Martin R Wilkins[10], Nicholas W Morrell[1]

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A59 **A SENSITIVE RESPONSE TO HYPOXIA IN PULMONARY ARTERY IN HIGH-ALTITUDE PULMONARY EDEMA SUSCEPTIBLE SUBJECTS UNDER A GENETIC BACKGROUND OF VARIATIONS IN THE EGLN1 GENE**

Nobumitsu Kobayashi*, Fumiya Kinota, Yunden Droma, Toshimichi Horiuchi, Atuhito Ushiki, Masanori Yasuo, Hiroshi Yamamoto, Masao Ota, Masayuki Hanaoka

Shinshu University School of Medicine ~ Matsumoto ~ Japan

A60 **KCNK3 CHANNEL INACTIVATION LEADS TO PULMONARY VASCULAR ALTERATIONS IN RAT**

Mélanie Lambert*[1], Aurélie Hautefort[1], Boris Manoury[2], David Montani[1], Marc Humbert[1], Frédéric Perros[1], Fabrice Antigny[1]

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A61 **ENHANCED EXPRESSION OF ENDOTHELIN-2, AN ISOPEPTIDE OF ENDOTHELIN-1, BY HYPOXIA IN LUNGS: POSSIBLE ROLE IN PULMONARY HYPERTENSION.**

Yoko Suzuki*[1], Ikeda Koji[2], Miyagawa Kazuya[2], Tamada Naoki[1], Nakayama Kazuhiko[1], Yanagisawa Masashi[3], Emoto Noriaki[1]

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A62 **THE EFFECTS OF BONE MORPHOGENETIC PROTEIN RECEPTOR TYPE 2 MUTATION ON RIGHT VENTRICULAR FUNCTION IN PULMONARY ARTERIAL HYPERTENSION AFTER OPTIMAL COMBINATION THERAPY**

Hiraide Takahiro*[1], Murata Mitsushige[2], Kataoka Masaharu[1], Aimi Yuki[3], Isobe Sarasa[1], Kawakami Takashi[1], Moriyama Hidenori[1], Endo Jin[1], Itabashi Yuji[1], Gamou Shinobu[3], Fukuda Keiichi[1]

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A63 **INHIBITION OF NITRIC OXIDE SYNTHASE UNMASKS POTENT VASOCONSTRICTION IN ESTABLISHED PULMONARY ARTERIAL HYPERTENSION**

Kohtaro Abe*, Mariko Tanaka, Hiroyuki Tsutsui

Kyushu University Graduate School of Medical Sciences ~ Fukuoka ~ Japan

A64 **DIMINISHED RIGHT VENTRICULAR FUNCTION AT DIAGNOSIS OF PULMONARY HYPERTENSION IS ASSOCIATED WITH MORTALITY IN BRONCHOPULMONARY DYSPLASIA**

Gabriel Altit*, Shazia Bhombal, Jeffrey Feinstein, Theresa Tacy

Stanford University ~ Palo Alto ~ United States of America

A65 **THE OMEGA-3 EPA:DHA 6:1 FORMULATION PREVENTS THE MONOCROTALINE-INDUCED PULMONARY HYPERTENSION, PULMONARY ARTERY REMODELING AND ENDOTHELIAL DYSFUNCTION, AND RIGHT VENTRICULAR FAILURE IN RATS**

Said Amissi*[1], Zahid Rasul Niazi[1], Mélanie Burban[1], Romain Kessler[2], Mathieu Canuet[3], Florence Toti[1], Laurent Monassier[4], Nelly Boehm[5], Cyril Auger[1], Ferhat Meziani[2], Valérie Schini-Kerth[1]

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A66 ALTERATION OF KCNK3 FUNCTION CONTRIBUTES TO RIGHT VENTRICULAR DYSFUNCTIONS IN EXPERIMENTAL PULMONARY HYPERTENSION

Fabrice Antigny*[1], Mélanie Lambert[1], Angèle Boet[1], Catherine Rucker-Martin[1], Véronique Capuano[1], Stéphane Hatem[2], Aurélie Hautefort[1], Jean-Baptiste Michel[3], Dorfmuller Peter[1], Elie Fadel[1], Tom Kotsimbos[4], Philippe Jourdon[1], David Montani[1], Frédéric Perros[1], Marc Humbert[1]

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A67 IMPAIRED RIGHT VENTRICULAR O2 DELIVERY IS ASSOCIATED WITH REDUCED RIGHT VENTRICULAR RESERVE IN PULMONARY HYPERTENSION DURING EXERCISE

Zongye Cai*, Richard Wb Van Duin, Dirk Jan Duncker, Daphne Merkus

Erasmus MC ~ Rotterdam ~ Netherlands

A68 PULMONARY ARTERIAL VOLUME, A DETERMINANT OF RESERVOIR FUNCTION MAY MODULATE RIGHT VENTRICULAR PERFORMANCE IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Hao-Chih Chang*, Lu Dai-Yin, Sung Shih-Hsien

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A69 ALTERED MYOCARDIAL ENERGY METABOLISM IN EXPERIMENTAL RIGHT VENTRICULAR FAILURE ON ACUTE AND CHRONIC INCREASED AFTERLOAD

Laurence Dewachter*[1], Asmae Belhaj[2], Benoit Rondelet[2], Francois Kerbaul[1], Serge Brimioulle[1], Robert Naeije[1], Céline Dewachter[1]

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A70 CORRELATION BETWEEN RIGHT VENTRICULAR FUNCTION ASSESSED BY ECHOCARDIOGRAPHY AND BY RIGHT HEART CATHETERIZATION AMONG PATIENTS WITH PULMONARY HYPERTENSION

Juan Farina*[1], Augusto Lavalle Cobo[1], Hector Gomez Santa Maria[1], Diego Crippa[1], Brenda Varela[3], Alfredo Hirschson Prado[2], Alejandro Nitsche[3], Angeles Barth[1], Victor Daru[1], Adrian Lescano[1]

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A71 PULMONARY VASCULAR RESISTANCE AND COMPLIANCE RELATIONSHIP IN PULMONARY HYPERTENSION: DIRECT MEASUREMENTS VERSUS EMPIRIC FORMULAE

Christian Gerges*[1], Mario Gerges[1], Pierre Fesler[2], Anna Maria Pistritto[3], David Celermajer[4], Irene Lang[1]

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A72 MIR-21 REGULATED RIGHT VENTRICULAR REMODELING SECONDARY TO PULMONARY ARTERIAL PRESSURE OVERLOAD

Chih-Hsin Hsu*[2], Hao-Chih Chang[1], Frederick Y Chen[4], Ronglih Liao[3]

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A73 ACTIVATED CONVENTIONAL DENDRITIC CELLS AS DRIVERS IN THE PATHOPHYSIOLOGY OF IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION (IPAH)?

Thomas Koudstaal*[1], Jennifer Van Hulst[1], Tridib Das[1], Peter Heukels[1], Daphne Merkus[2], Michiel De Raaf[2], Ingrid Bergen[1], Bogaard Harmjan[3], Caetano Reis E Sousa[4], Geert Van Loo[5], Rudi Hendriks[1], Karin Boomars[1], Mirjam Kool[1]

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A74 EXERCISE HEMODYNAMIC PREDICTORS OF PEAK OXYGEN CONSUMPTION IN IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION

Eloara Machado Ferreira*, Carolina M S Messina, Rudolf K F Oliveira, Angelo X C Fonseca, Roberta P Ramos, Jaquelina S Ota-Arakaki

Federal University of São Paulo (UNIFESP) ~ São Paulo ~ Brazil

A75 POTENTIAL ROLE OF THE ARYL HYDROCARBON RECEPTOR IN PAH

Margaret Maclean*, Afshan Dean, Teja Gregorc, Craig Docherty

University of Glasgow ~ Glasgow ~ United Kingdom

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A76 OSTEOPONTIN IN RIGHT VENTRICULAR REMODELING

Argen Mamazhakypov*, Akylbek Sydykov, Xia Tian, Kabita Pradhan, Astrid Weiß, Werner Seeger, Norbert Weissmann, Ardeschir Ghofrani, Ralph Schermuly

Excellence Cluster Cardio-Pulmonary System, University of Giessen ~ Giessen ~ Germany

A77 THE STIFFNESS OF THE PULMONARY ARTERY AS A MARKER OF RIGHT VENTRICULAR FUNCTION IN PATIENTS WITH PULMONARY HYPERTENSION

Olga Moiseeva*, Maria Simakova, Anton Rygkov, Aigun Kyzymly

Almazov National Medical Research Centre ~ Saint-Petersburg ~ Russian Federation

A78 THE CLINICAL VALUE OF ASSESSING RIGHT VENTRICULAR DIASTOLIC FUNCTION AFTER BALLOON PULMONARY ANGIOPLASTY IN PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Hidenori Moriyama*, Mitsushige Murata, Toshimitsu Tsugu, Takashi Kawakami, Masaharu Kataoka, Takahiro Hiraide, Mai Kimura, Sarasa Isobe, Jin Endo, Takashi Kohno, Yuji Itabashi, Keiichi Fukuda

Keio University ~ Tokyo ~ Japan

A79 HIGH-SENSITIVE CARDIAC TROPONIN T LEVEL IS A SURROGATE MARKER FOR RV FUNCTIONAL RECOVERY AFTER SUCCESSFUL BALLOON PULMONARY ANGIOPLASTY IN PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Mitsushige Murata*, Toshimitsu Tsugu, Takahiro Hiraide, Hidenori Moriyama, Mai Kimura, Sarasa Isobe, Takashi Kawakami, Masaharu Kataoka, Takashi Kohno, Yuji Itabashi, Keiichi Fukuda

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A80 WNT-SIGNALING PATHWAY DRIVES RIGHT VENTRICULAR REMODELING

Sreenath Reddy Nayakanti*[1], Aleksandra Tretyn[1], Swati Dabral[1], Mario Böhm[2], Baktybek Kojonazarov[2], Wiebke Janssen[1], Werner Seeger[1], Ralph Schermuly[2], Soni Savai Pullamsetti[1]

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A81 THE RELATIONSHIP BETWEEN PULMONARY BLOOD FLOW AND PULMONARY MICROVASCULAR RECRUITMENT IN SUPINE EXERCISING HUMANS

Stylianos Orfanos*[2], David Langleben[1], Michele Giovinazzo[1], Robert Schlesinger[1], Fay Blenkhorn[1], John Catravas[3]

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A82 REGIONAL INHOMOGENEITY OF RIGHT VENTRICULAR CONTRACTION DURING HYPOXIC BREATHING BUT NOT DURING EXERCISE IN HEALTHY SUBJECTS

Beatrice Pezzuto*[1], Kevin Forton[2], Vitalie Faoro[2], Yoshiki Motoji[2], Roberto Badagliacca[3], Carmine Dario Vizza[3], Jean-Luc Vachiéry[5], Robert Naeije[4]

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A83 QUANTIFICATION AND VISUALIZATION OF PULMONARY VASCULAR RESPONSE TO NITRIC OXIDE USING COMPUTED TOMOGRAPHY

Farbod Rahaghi*[5], Tilo Winkler[2], Puja Kohli[3], Berta Marti Fuster[4], Ramya Radhakrishnan[5], Tyler Blackwater[1], James Ross[4], Richard Channick[3], R Scott Harris[3], Raúl San José Estépar[4], George Washko[5]

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A84 ABNORMAL RESPONSE TO EXERCISE IN SYSTEMIC SCLEROSIS PATIENTS WITH NORMAL PULMONARY PRESSURES AT REST: A CASE-CONTROLLED STUDY

Asma Rimouche*[1], Sergio Caravita[1], Laurence Dewachter[2], Antoine Bondue[1], Jean Luc Vachiery[1]

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PATHOPHYSIOLOGY OF THE RV AND OF THE PULMONARY CIRCULATION

A85 ADAMTS8 PROMOTES THE DEVELOPMENT OF PULMONARY ARTERIAL HYPERTENSION AND RIGHT VENTRICULAR FAILURE -A POSSIBLE NOVEL THERAPEUTIC TARGET-

Kimio Satoh*[1], Junichi Omura[1], Nobuhiro Kikuchi[1], Taijyu Satoh[1], Ryo Kurosawa[1], Masamichi Nogi[1], Shinichiro Sunamura[1], Tomohiro Ohtsuki[1], Elias Al-Mamun[1], Mohammad Abdul Hai Siddique[1], Nobuhiro Yaoita[1], Satoshi Miyata[1], Yasushi Hoshikawa[2], Yoshinori Okada[2], Hiroaki Shimokawa[1]

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A86 RIGHT VENTRICULAR CHARACTERISTICS IN EISENMENGER SYNDROME – ECG AND ECHO CORRELATIONS

Tatiana Valkovicova*[1], Monika Kaldararova[1], Adriana Reptova[1], Marcela Bohacekova[1], Ljuba Bacharova[2], Robert Hatala[1], Iveta Simkova[1]

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A87 TRANSITION FROM POST- TO COMBINED PRE/POST-CAPILLARY PULMONARY HYPERTENSION: KEY ROLE OF ENDOTHELIN

Richard Wb Van Duin*[1], Kelly Stam[1], Zongye Cai[1], Dirk Jan Duncker[1], Irwin Karl Reiss[2], Daphne Merkus[1]

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PH HAEMODYNAMIC DEFINITIONS AND CLINICAL CLASSIFICATIONS AND CHARACTERISTICS OF SPECIFIC PAH SUBGROUPS

A88 PULMONARY HYPERTENSION IN TAKAYASU ARTERITIS

Ali Akdogan*[1], Esra Firat[2], Yusuf Ziya Sener[3], Berkan Armagan[1], Metin Oksul[3], Serkan Asil[3], Vedat Hekimsoy[3], Abdulsamet Erden[1], Alper Sari[1]

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A89 A COMPARISON OF NT-PROBNP LEVELS IN PATIENTS WITH SSC-ASSOCIATED PAH AND PATIENTS WITH SSC-RELATED PH ASSOCIATED WITH LUNG DISEASE

Sahachat Aueyingsak*, Wilaiwan Khrisanapant, Upa Kukongviriyapun, Orapin Pasurivong, Burabha Pussadhamma

Faculty of Medicine, Khon Kaen University ~ Khon Kaen ~ Thailand

A90 RESULTS OF MEDIUM SEVEN YEARS'FOLLOW-UP IN SYSTEMIC SCLEROSIS PATIENTS WITH EXERCISE INDUCED PULMONARY HYPERTENSION MEASURED DURING RIGHT HEART CATHETERIZATION

Luciana D''Angelo*, Andrea Garascia, Eleonora Bruschi, Francesco Musca, Oscar Massimiliano Epis, Antonella Moreo, Maria Frigerio

ASST Grande Ospedale Metropolitano Niguarda ~ Milan ~ Italy

A91 JOGJAKARTA CONGENITAL HEART DISEASE AND PULMONARY HYPERTENSION (COHARD-PH) STUDY: RESULTS FROM A SINGLE-CENTER NATIONAL REFERRAL HOSPITAL REGISTRY IN INDONESIA

Lucia Kris Dinarti*, Dyah Wulan Anggrahini, Anggoro Budi Hartopo

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A92 THE MORTALITY OF PREGNANT PATIENTS WITH UNCORRECTED ATRIAL SEPTAL DEFECT IS INFLUENCED BY SEVERE PULMONARY HYPERTENSION – A SUBSTUDY OF JOGJAKARTA COHARD-PH REGISTRY

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A93 PULMONARY HYPERTENSION IN ASIA: INSIGHTS FROM AN ASIAN TERTIARY REFERRAL CENTRE

Teng Yik Hoo*[1], Benjamin Chew[1], Jonathan Yap[1], Wen Ruan[1], Jeremy Teoh[1], Maggie Wong[1], Sewa Du Wen[2], Ghee Chee Phua[2], Andrea Low[3], Ju Le Tan[1], Soo Teik Lim[1]

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A94 THE DISPROPORTIONAL INCREASE OF PULMONARY PRESSURE IS RELATED TO THE CLINICAL OUTCOMES IN PATIENTS WITH CHRONIC HEART FAILURE

Wei-Ming Huang*, Shih-Hsien Sung

Taipei Veterans General Hospital ~ Taipei ~ Taiwan

A95 THE DETERMINANTS OF "OUT OF PROPORTION" PULMONARY HYPERTENSION IN PATIENTS WITH MILD CHRONIC OBSTRUCTION PULMONARY DISEASE

Wei-Ming Huang*, Shih-Hsien Sung

Department of Medicine, Taipei Veterans General Hospital ~ Taipei ~ Taiwan

A96 IMPACT OF BLOOD VISCOSITY ON PULMONARY VASCULAR RESISTANCE IN PATIENTS ASSESSED FOR PULMONARY HYPERTENSION AT A LARGE TERTIARY CENTRE

Aleksander Kempny*, Konstantinos Dimopoulos, Colm Mccabe, Rafael Alonso-Gonzalez, Laura Price, Michael Gatzoulis, Stephen J Wort

Royal Brompton Hospital ~ London ~ United Kingdom

A97 GENDER ASPECTS AMONG PATIENTS WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION IN THE MODERN TREATMENT ERA

Barbro Kjellström*[1], Clara Hjalmarsson[2], David Kylhammar[3], Sven-Erik Bartfay[2], Göran Rådegran[4], Magnus Nisell[5]

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A98 CHARACTERISTICS OF PULMONARY ARTERIAL HYPERTENSION IN PATIENTS WITH SYSTEMIC SCLEROSIS AND ANTICENTRIOLE AUTOANTIBODIES

Kana Kubota*

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A99 PH EXPERIENCE IN A TERTIARY CENTER

Mehmet Serdar Kucukoglu*, Mert Palabiyik, Ozge Cetinarslan, Rengin Demir

Istanbul University Institute of Cardiology ~ Istanbul ~ Turkey

A100 PULMONARY HYPERTENSION IN GREECE: PRELIMINARY DATA FROM A NATIONAL REGISTRY

Athanasios Manginas*[9], Maria Toumpourleka[1], George Giannakoulas[1], Sofia-Anastasia Mouratoglou[1], Haralambos Karvounis[1], Eftihia Demerouti[2], Panagiotis Kariofillis[2], Georgios Athanasopoulos[2], Spyridon Rammos[2], Iraklis Tsangaris[3], Eleni Stagaki[3], Stylianos Orfanos[3], Georgia Pitsiou[4], Evangelia Panagiotidou[4], Ioanna Mitrouska[5], Ekaterini Avgeropoulou[6], Katerina Naka[7], Stavros Konstandinides[8], Anastasia Anthi[3]

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A101 PREVALENCE AND CORRELATES OF OBESITY IN PRECAPILLARY PULMONARY HYPERTENSION

Athanasios Manginas*[9], Maria Toumpourleka[1], George Giannakoulas[1], Sofia-Anastasia Mouratoglou[1], Haralambos Karvounis[1], Eftihia Demerouti[2], Panagiotis Kariofillis[2], Georgios Athanasopoulos[2], Spyridon Rammos[2], Iraklis Tsangaris[3], Eleni Stagaki[3], Stylianos Orfanos[3], Stylianos Orfanos[3], Georgia Pitsiou[4], Evangelia Panagiotidou[4], Ioanna Mitrouska[5], Ekaterini Avgeropoulou[6], Katerina Naka[7], Stavros Konstandinides[8], Anastasia Anthi[3]

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A102 ECHOCARDIOGRAPHIC ASSESSMENT OF RIGHT VENTRICULAR COUPLING TO PULMONARY CIRCULATION IS ASSOCIATED WITH HEMODYNAMIC DISEASE SEVERITY IN PRECAPILLARY PULMONARY HYPERTENSION

Athanasios Manginas*[10], Maria Toumpourleka[1], George Giannakoulas[1], Sofia-Anastasia Mouratoglou[1], Haralambos Karvounis[1], Eftihia Demerouti[2], Panagiotis Kariofillis[2], Georgios Athanasopoulos[2], Spyridon Rammos[2], Spyridon Rammos[2], Iraklis Tsangaris[3], Eleni Stagaki[4], Stylianos Orfanos[4], Georgia Pitsiou[5], Evangelia Panagiotidou[5], Evangelia Panagiotidou[5], Ioanna Mitrouska[6], Ekaterini Avgeropoulou[7], Katerina Naka[8], Stavros Konstandinides[9], Anastasia Anthi[4]

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A103 THE BLOOD COUNT LEVELS, THE MEAN PULMONARY ARTERY PRESSURE AND SIX MINUTE WALK TEST AMONG ADULT FILIPINOS WITH PULMONARY HYPERTENSION ASSOCIATED WITH CONGENITAL HEART DISEASES: RESULTS FROM THE PHILIPPINE HEART CENTER – CENTER FOR PULMONARY VASCULAR DISOR

Maria Paz Mateo*

Philippine Heart Center ~ Quezon City ~ Philippines

A104 COMPARISON OF CARDIAC OUTPUT DETERMINATION BY THE INDIRECT FICK AND THE THERMODILUTION METHOD IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Sophia Anastasia Mouratoglou*, Ioannis Doundoulakis, Feloukidis Cristos, Bazmpani Maria Anna, Arvanitaki Alexandra, Toumpourleka Maria, Grosomanidis Vasileios, Hadjimiltiades Stavros, Karvounis Haralambos, Giannakoulas George

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A105 PULMONARY ARTERIAL HYPERTENSION IN IGG4-RELATED DISEASE: ALL ABOUT THE EPOPROSTENOL?

Nicole Ruopp*, Harrison Farber

Boston University ~ Boston ~ United States of America

A106 PULMONARY ARTERY DILATATION PROGRESS IN PATIENTS WITH PULMONARY HYPERTENSION COEXISTING PULMONARY ARTERY ANEURYSM. -POSSIBLE INVOLVEMENT OF PROSTAGLANDIN E RECEPTOR TYPE 4 OVEREXPRESSION-

Akagi Satoshi*[1], Nakamura Kazufumi[1], Yokoyama Utako[2], Kasahara Shingo[3], Sarashina Toshihiro[1], Ejiri Kentaro[1], Ito Hiroshi[1]

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A107 DIFFERENTIAL INCREASE IN CIRCULATING PAN VEGF-A AND VEGF-A165B LEVELS AMONG SUBTYPE OF PULMONARY HYPERTENSION

Shimokata Shigetake*[1], Kikuchi Ryosuke[2], Adachi Shiro[3], Okumura Naoki Okumura[3], Tajima Fumitaka[1], Kamimura Yoshihiro[1], Nakano Yoshihisa[1], Kondo Takahisa[3], Murohara Toyoaki[1]

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A108 SEVERE PULMONARY ARTERIAL HYPERTENSION IN PATIENTS TREATED BY CHINESE HERB NATURE INDIGO: QING-DAI

Yuichi Tamura*[1], Asuka Furukawa[1], Ly Tu[2], Christophe Guignabert[2], Marc Humbert[2], Noriaki Emoto[3], Hiroshi Watanabe[4], Koichiro Tatsumi[5]

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A109 CLINICAL CHARACTERISTICS AND SURVIVAL OF ASIAN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Jonathan Yap*[2], Teng Yik Hoo[2], Jeremy Teoh[2], Benjamin Chew[2], Duu Wen Sewa[1], Ghee Chee Phua[1], Andrea Low[3], Choong Hee Lim[2], Ju Le Tan[2], Maggie Wong[2], Wen Ruan[2]

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A110 THE STRUCTURAL-FUNCTIONAL STATE OF THE SYSTEMIC CIRCULATION ARTERIES IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Iryna Zhyvylo*, Yurii Sirenko, Ganna Radchenko

SI «National Scientific Centre «M. D. Strazhesko Institute of Cardiology» of NAMS of Ukraine» ~ Kyiv ~ Ukraine

DIAGNOSIS OF PULMONARY HYPERTENSION

A111 DEATH OR RESOLUTION: THE NATURAL HISTORY OF PULMONARY HYPERTENSION IN BRONCHOPULMONARY DYSPLASIA

Gabriel Altit*, Shazia Bhombal, Theresa Tacy, Jeffrey Feinstein

Stanford University ~ Palo Alto ~ United States of America

A112 RECEPTOR TYROSINE KINASES AND RELATED LIGANDS PROVIDE NEW PLASMA BIOMARKERS IN PULMONARY ARTERIAL HYPERTENSION

Habib Bouzina*

~ Sweden

A113 NONSYNDROMIC PERIPHERAL PULMONARY ARTERY STENOSIS IS ASSOCIATED WITH HOMOZYGOSITY OF RNF213 P.ARG4810LYS REGARDLESS OF CO-OCCURRENCE OF MOYAMOYA DISEASE

Sung-A Chang*, Ju Sun Song, Taek Kyu Park, Jung Hoon Yang, Woo Chan Kwon, So Ree Kim, Sung Mok Kim, Jihoon Cha, Shin Yi Jang, Young Seok Cho, Tae Jung Kim, Oh Young Bang, Jin Young Song, Chang Seok Ki, Duk-Kyung Kim

Samsung Medical Center, Sungkyunkwan University School of Medicine ~ Seoul ~ Korea, Republic of

A114 CLINICAL PROFILING AND PREDICTING CLINICAL DETERIORATION IN IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION PATIENTS IN A PULMONARY HYPERTENSION REFERENCE CENTER IN CAMPINAS-BRAZIL

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A115 INCIDENCE OF PULMONARY HYPERTENSION AND DETERMINING FACTORS IN PATIENTS WITH SYSTEMIC SCLEROSIS AFTER NEGATIVE RIGHT HEART CATHETERISATION

Satenik Harutyunova*[2], Gerry Coghlan[1], Matthias Wolf[2], Oliver Distler[3], Christopher P Denton[4], Martin Doelberg[5], Alberto Marra[2], Nicola Benjamin[2], Christine Fischer[6], Ekkehard Grünig[2]

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A116 PULMONARY HYPERTENSION IN ASIA: ESTIMATED PREVALENCE AND PROGNOSIS FROM THE ECHOCARDIOGRAPHY COHORT

Chih-Hsin Hsu*[2], Wei-Ting Chang[1], Hsiang-Yuan Chang[3], Wei-Shin Liu[4], Wei-Da Lu[2]

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A117 PREVALENCE OF PULMONARY HYPERTENSION IN PATIENTS WITH SARCOIDOSIS: A SINGLE CENTER EXPERIENCE

Deniz Kaptan Ozen*[1], Bulent Mutlu[1], Alper Kepez[1], Derya Kocakaya[2], Berrin Ceyhan[2], Batur Gonenc Kanar[1], Okan Erdogan[1], Halil Atas[1]

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A118 EFFICIENT DETECTION OF PULMONARY ARTERIAL HYPERTENSION USING SERUM HAPTOGLOBIN LEVEL AND CARDIAC MRI IN PATIENTS WITH CONNECTIVE TISSUE DISEASES

Masaru Kato*[1], Hiroyuki Nakamura[1], Eri Sugawara[1], Yuichiro Fujieda[1], Kenji Oku[1], Toshiyuki Bohgaki[1], Shinsuke Yasuda[1], Hiroshi Ohira[2], Ichizo Tsujino[2], Masaharu Nishimura[2], Tatsuya Atsumi[1]

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A119 NAILFOLD VIDEOCAPILLAROSCOPY PARAMETERS AS A PREDICTORS OF PULMONARY ARTERIAL HYPERTENSION DEVELOPMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS

Nataliya Klyaus*, Maria Simakova, Kirill Malikov, Alexey Maslyanskiy, Olga Moiseeva

Federal State Budgetary Institution "V.A. Almazov National Medical Research Center" of the Ministry of Health of the Russian Federation ~ Saint-Petersburg ~ Russian Federation

A120 ACCURACY AND PRECISION OF MEAN PULMONARY PRESSURE ASSESSED BY ECHOCARDIOGRAPHY AMONG PATIENTS WITH PULMONARY HYPERTENSION

Adrian Lescano*, Juan Farina, Hector Gomez Santa Maria, Augusto Lavalle Cobo, Guadalupe Romero, Nicolas Gonzalez, Miguel Gonzalez, Victor Daru, Hugo Grancelli

Finochietto Clinic ~ Buenos Aires ~ Argentina

A121 RAISING PAH AWARENESS IN SERBIA

Senka Milutinov*, Ilija Andrijevic, Jovan Matijasevic, Ana Andrijevic

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A122 RIGHT HEART CATHETERIZATION FOR THE ASSESSMENT OF PULMONARY HYPERTENSION IN PATIENTS WITH INTERSTITIAL LUNG DISEASE

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A123 EVALUATION OF CARDIAC FUNCTIONAL ALTERATIONS AND NATRIURETIC PEPTIDE LEVELS IN PATIENTS WITH SYSTEMIC SARCOIDOSIS

Bulent Mutlu*[1], Deniz Kaptan Ozen[1], Alper Kepez[1], Derya Kocakaya[2], Berrin Ceyhan[2], Okan Erdogan[1], Batur Gonenc Kanar[1], Halil Atas[1]

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A124 THE CONTRIBUTION OF ENDOTHELIAL CELLS TO THE VOLATOLOMIC SIGNATURE OF PAH

Morad Nakhleh*[1], Salam Khatib[2], Ly Tu[1], Maria Vinhas[1], Barbara Girerd[1], Frederic Perros[1], David Montani[1], Raneen Jeries[2], Peter Dorfmuller[1], Elie Fadel[1], Christophe Guignabert[1], Marc Humbert[1], Hossam Haick[2], Sylvia Cohen-Kaminsky[1]

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A125 CONGENITAL HEART DISEASES: A RARE REASON FOR PULMONARY HYPTERTENSION IN ADULT PATIENTS

Gulfer Okumus*[1], Celik Sumer[1], Zuleyha Bingol[1], Gokcen Orhan[2], Murat Inanc[3], Ahmet Kaya Bilge[4]

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A126 TUMOR MARKERS ARE ALTERED IN PLASMA FROM PULMONARY ARTERIAL HYPERTENSION PATIENTS

Göran Rådegran*[1], Habib Bouzina[2]

[1]Lund University ~ Lund ~ Sweden, [2]~ Sweden

A127 PULMONARY HYPERTENSION (PH) DUE TO LEFT HEART DISEASE: A PREDICTIVE MODEL USING THE NATIONAL ECHO DATABASE OF AUSTRALIA (NEDA)

Geoff Strange*[1], David Playford[1], Jim Codde[1], David Celermajer[2], Gregory Scalia[3], Kevin Chung[1]

[1]The University of Notre Dame ~ Fremantle ~ Australia, [2]The University of Sydney ~ Sydney ~ Australia, [3]The University of Queensland ~ Brisbane ~ Australia

A128 CT FUNCTIONAL PARAMETERS FOCUSING ON RVOT FOR PH

Yi-Shan Tsai*[2], Hsu Chih-Hsin[1]

[1]Department of Cardiology, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University ~ Tainan ~ Taiwan, [2]Department of Diagnostic Radiology, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University ~ Tainan ~ Taiwan

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RISK STRATIFICATION AND MEDICAL THERAPY OF PULMONARY ARTERIAL HYPERTENSION

B10 EFFICACY OF ORAL IRON SUBSTITUTION IN NONANEMIC-IRON DEFICIENT PAH PATIENTS

Bahri Akdeniz*, Ebru Özpelit, Dilek Sezgin, Bihter Sentürk, Can Sevinç, Resit Yigit Yilancioglu, Nezihi Baris

No ~ Izmir ~ Turkey

B11 HOW EFFICACIOUS IS THE GUIDELINE BASED RISK STRATIFICATION IN WHOLE PAH POPULATION IN ROUTINE PRACTICE?

Bahri Akdeniz*, Ebru Özpelit, Dilek Sezgin, Can Sevinç, Nezihi Baris, Bihter Sentürk

No ~ Izmir ~ Turkey

B12 RELATIONSHIP BETWEEN BALANCE AND EXERCISE CAPACITY IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Bahri Akdeniz*, Buse Ozcan Kahraman, Sema Savci, Ismail Ozsoy, Serap Acar, Ebru Ozpelit, Can Sevinc

Dokuz Eylul University ~ Izmir ~ Turkey

B13 ROLE OF CARDIAC MAGNETIC RESONANCE IN STRATIFYING THE PROGNOSIS OF PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

Alessandra Albini*, Fabio Dardi, Massimiliano Palazzini, Enrico Gotti, Andrea Rinaldi, Enrico Monti, Elisa Zuffa, Daniele Guarino, Filippo Pasca, Nikita Tanese, Mariangela Rotunno, Antonio Colangelo, Alessandra Manes, Nazzareno Galiè

University of Bologna, Department of Specialized Diagnostic and Experimental Medicine – DIMES - Bologna/IT ~ Bologna ~ Italy

B14 TRANSITION FROM SUBCUTANEOUS TREPROSTINIL TO INTRAVENOUS THERMOSTABLE EPOPROSTENOL IN PATIENTS WITH SEVERE PULMONARY ARTERIAL HYPERTENSION

Anastasia Anthi*[1], Konstantina Ntai[1], Dimitrios Konstantonis[1], Frantzeska Frantzeskaki[1], Eleni Stagaki[2], Cornelia Mitrakou[1], Athanasios Pappas[2], Michalis Rizos[1], Olympia Apostolopoulou[1], Apostolos Armaganidis[1], Stylianos Orfanos[1]

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B15 INITIAL TREATMENT STRATEGY AND LONG-TERM SURVIVAL IN PULMONARY ARTERIAL HYPERTENSION (PAH)

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B16 LONG-TERM OUTCOMES AND PREDICTORS OF SURVIVAL IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION WITHOUT ACCESS TO PARENTERAL PROSTANOID THERAPY

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B17 IMPROVEMENT OF PULMONARY DIFFUSION CAPACITY AFTER INTRAVENOUS IRON SUBSTITUTION IN PATIENTS WITH IRON DEFICIENCY AND PULMONARY HYPERTENSION

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B18 CORRELATES OF WHO FUNCTIONAL CLASS IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH CONGENITAL HEART DISEASE. RESULTS FROM CHALLENGE REGISTRY.

Christos Feloukidis*[1], George Giannakoulas[1], Konstantinos Vasiliadis[2], Alexandra Frogoudaki[3], Christos Ntellos[4], Afroditi Tzifa[10], Styliani Brili[5], Athanasios Manginas[6], Despina Ntiloudi[1], Marios Kolios[7], Antonios Pitsis[8], Haralambos Karvounis[1], Konstantinos Tsioufis[5], Spyridon Rammos[9]

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B19 EXERCISE CMR TO EVALUATE RV FUNCTION AND HEMODYNAMICS IN PAH: PILOT STUDY

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B20 INVESTIGATION OF HEPATIC FIBROSIS AS A NOVEL PROGNOSTIC FACTOR IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

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B21 AUDIT OF DISEASE TARGETED THERAPIES IN ADULT PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

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B22 SAFETY OF SWITCHING TO RIOCIGUAT FOR THE TREATMENT OF PULMONARY HYPERTENSION: DATA FROM THE EXPERT REGISTRY

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B23 RISK STRATIFICATIONS AND DEATHS IN ADULT UNCORRECTED ATRIAL SEPTAL DEFECT WITH PULMONARY HYPERTENSION: AN INDONESIAN EXPERIENCE

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B24 INITIAL COMBINATION THERAPY WITH RIOCIGUAT AND AMBRISENTAN IN PULMONARY ARTERIAL HYPERTENSION: A PROSPECTIVE OPEN-LABEL STUDY

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B25 IMPACT OF AGE AND COMORBIDITY ON OUTCOME IN IDIOPATHIC PULMONARY HYPERTENSION: DATA FROM THE SWEDISH PULMONARY ARTERIAL HYPERTENSION REGISTRY

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B26 EFFICACY AND SAFETY OF EARLY SEQUENTIAL COMBINATION THERAPY WITH RIOCIGUAT AND ENDOTHELIN RECEPTOR ANTAGONISTS IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION: RESULTS FROM PATENT-1 AND PATENT-2

Marc Humbert*[1], Ekkehard Grünig[2], Pavel Jansa[3], Gérald Simonneau[1], Franck Rahaghi[4], Stephan Rosenkranz[5], Dennis Busse[6], Christian Meier[7], Janethe De Oliveira Pena[8], Hossein-Ardeschir Ghofrani[9]

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B27 HIGH-DENSITY LIPOPROTEIN CHOLESTEROL AND INFLAMMATORY MARKERS IN PREDICTION OF LONG-TERM RESPONSIVENESS TO CALCIUM CHANNEL BLOCKERS IN PATIENTS WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION

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B28 OUTCOME OF COMPRESSION OF LEFT CORONANY ARTERY IN PATIENTS WITH SEVERE PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH CONGENITAL HEART DISEASES

Jo Won Jung*, Sang Eun Lee, Hyuk-Jae Chang, Se Yong Jung, Jae Young Choi, Yu Lim Shin, Han Ki Park, Young Hwan Park

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B29 EARLY EXPERIENCE OF MACITENTAN FOR THE TREATMENT OF PULMONARY ARTERIAL HYPERTENSIONC WITH CONGENITAL HEART DISEASES IN SINGLE CENTER.

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B30 CLINICAL COURSE OF INITIAL ORAL COMBINATION THERAPY FOR THE TREATMENT OF PAH IN SYSTEMIC SCLEROSIS

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B31 RAPID SEQUENTIAL COMBINATION THERAPY WITH PDE5 INHIBITORS AND ENDOTHELIN RECEPTOR ANTAGONISTS SUBSTANTIALLY IMPROVES HEMODYNAMICS AT EARLY FOLLOW-UP

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B32 HEMODYNAMIC AND HISTOPATHOLOGIC BENEFITS OF EARLY TREATMENT WITH MACITENTAN IN A RAT MODEL OF PULMONARY ARTERIAL HYPERTENSION

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B33 THE PROGNOSTIC VALUE OF DLCO AND PULMONARY BLOOD FLOW IN PATIENTS WITH PULMONARY HYPERTENSION

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B34 PULMONARY HYPERTENSION IN KOREAN PATIENTS WITH CONNECTIVE TISSUE DISEASE: RESULTS FROM EXTENDED FOLLOW-UP OF A NATION-WIDE REGISTRY

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B35 FUNCTIONAL CAPACITY USING SUBMAXIMAL EXERCISE TEST IS RELIABLE PREDICTOR FOR AGGRAVATION OF PULMONARY HYPERTENSION

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B36 CLINICAL EFFICACY OF MACITENTAN IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION: OUR EXPERIENCE IN ARGENTINA

Adrian Lescano*[1], Nicolas Atamañuk[4], Vanesa Gregorietti[2], Nicolas Caruso[5], Daniela Garcia Brasca[3], Maria Lorena Coronel[6], Juan Farina[1], Sergio Perrone[2], Guillermo Bortman[5]

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B37 MEDICATION ADHERENCE AND RISK OF HOSPITALIZATION IN PULMONARY ARTERIAL HYPERTENSION (PAH) PATIENTS TREATED WITH ENDOTHELIN RECEPTOR ANTAGONISTS (ERAS) OR PHOSPHODIESTERASE TYPE 5 INHIBITORS (PDE5IS)

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B38 SURVIVAL OF PATIENTS WITH PULMONARY HYPERTENSION –A SINGLE CENTER EXPERIENCE IN JAPAN-

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B39 MORTALITY IN PULMONARY ARTERIAL HYPERTENSION TRIALS: A COMPARISON BETWEEN META-ANALYSES

Enrico Monti*, Massimiliano Palazzini, Enrico Gotti, Fabio Dardi, Andrea Rinaldi, Alesandra Albini, Elisa Zuffa, Daniele Guarino, Filippo Pasca, Nikita Tanese, Antonio Colangelo, Mariangela Rotunno, Alessandra Manes, Nazzareno Galiè

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B40 PROGNOSTIC VALUE OF 12-LEAD ECG IN PATIENTS WITH PRECAPILLARY PULMONARY HYPERTENSION

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B41 ALLERGIC TO ONE DOES NOT MEAN TO ALL

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B42 CARDIOPULMONARY EXCERCISE TEST IN PULMONARY ARTERIAL HYPERTENSION PATIENTS: LONGITUDINAL CHANGES IN THE MODERN MANAGEMENT ERA

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B43 TREATMENT PATTERNS AND MEDICATION ADHERENCE AND PERSISTENCE AMONG PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION IN REAL-WORLD DATABASE REPRESENTING A LARGE US HEALTH PLAN

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B44 HEMODYNAMIC AND EXERCISE EFFECTS OF DIFFERENT TYPES OF INITIAL ORAL COMBINATION THERAPY IN PULMONARY ARTERIAL HYPERTENSION

Andrea Rinaldi*, Massimiliano Palazzini, Enrico Gotti, Fabio Dardi, Alessandra Albini, Enrico Monti, Elisa Zuffa, Daniele Guarino, Filippo Pasca, Nikita Tanese, Mariangela Rotunno, Antonio Colangelo, Alessandra Manes, Nazzareno Galiè

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B45 INITIAL CLINICAL RESULTS WITH MACITENTAN IN CONGENITAL HEART DISEASE PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

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B46 SAFETY AND EFFICACY OF SUBCUTANEOUS TREPROSTINIL IN CONGENITAL HEART DISEASE- RELATED PULMONARY ARTERIAL HYPERTENSION

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B47 PARENTERAL USE OF PROSTANOIDS IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION (PAH) IN A TERTIARY REFERRAL UNIVERSITY HOSPITAL

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B48 THE GOAL OF LONG-TERM OXYGEN THERAPY TO AVOID TISSUE HYPOXIA IN PATIENTS WITH PULMONARY HYPERTENSION

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B49 DIVERSITY OF BORDERLINE PULMONARY ARTERIAL PRESSURE ASSOCIATED WITH SYSTEMIC SCLEROSIS: 4 CASE SERIES

Eri Sugawara*[1], Masaru Kato[1], Ryo Hisada[1], Hiroyuki Nakamura[1], Fujieda Yuichiro[1], Kenji Oku[1], Toshiyuki Bohgaki[1], Shinsuke Yasuda[1], Hiroshi Ohira[2], Ichizo Tsujino[2], Masaharu Nishimura[2], Tatsuya Atsumi[1]

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B50 REAL LIFE EXPERINCE WITH REVEAL RISK SCORE FOR PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION

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B51 INFLUENCE OF INITIAL RIOCIGUAT MONOTHERAPY AND TRANSITION FROM SILDENAFIL TO RIOCIGUAT THERAPY IN PATIENTS WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION ON RIGHT HEART REMODELING AND RIGHT VENTRICULAR – PULMONARY ARTERIAL COUPLING

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B52 THE VALUE OF CARDIOPULMONARY EXERCISE TESTING IN ASSESSMENT OF THE SEVERITY OF PULMONARY ARTERIAL HYPERTENSION PATIENTS

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B53 ENHANCED GLUCOSE METABOLISM IN THE RIGHT VENTRICULAR WALL PREDICTS A PROGNOSTIC IMPACT IN PATIENTS WITH PULMONARY HYPERTENSION

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B54 HEMODYNAMIC EFFECTS OF THE ORAL PROSTACYCLIN (IP) RECEPTOR AGONIST RALINEPAG IN PULMONARY ARTERIAL HYPERTENSION (PAH)

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B55 IS REDUCED SYSTEMIC ARTERIAL STIFFNESS A NOVEL SURROGATE INDEX OF SEVERITY IN PATIENTS WITH GROUP 1 PULMONARY ARTERIAL HYPERTENSION?

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B56 THE ROLE OF SYSTEMIC ENDOTHELIAL GLYCOCALYX IN PATIENTS WITH GROUP 1 PULMONARY ARTERIAL HYPERTENSION

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B57 RIGHT ATRIUM ENLARGEMENT PREDICTS CLINICALLY SIGNIFICANT SUPRAVENTRICULAR ARRHYTHMIAS IN PULMONARY ARTERIAL HYPERTENSION.

Marcin Waligóra*, Anna Tyrka, Jakub Stepniewski, Wojciech Magon, Piotr Podolec, Grzegorz Kopec

Department of Cardiac and Vascular Diseases, Jagiellonian University Medical College at John Paul II Hospital ~ Krakow ~ Poland

B58 ELECTROCARDIOGRAPHIC CRITERIA OF RIGHT VENTRICULAR HYPERTROPHY REFLECT HEMODYNAMIC IMPROVEMENT IN PULMONARY HYPERTENSION.

Marcin Waligóra*, Anna Tyrka, Jakub Stepniewski, Piotr Podolec, Grzegorz Kopec

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B59 STRUCTURAL AND FUNCTIONAL STATUS OF THE SYSTEMIC CIRCULATION ARTERIES IN PATIENTS WITH IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION WITH DIFFERENT FUNCTIONAL ABILITIES AND ENDPOINTS

Iryna Zhyvylo*, Yevhen Titov, Ganna Radchenko, Yurii Sirenko

National Scientific Centre "Institute of Cardiology named after M.D.Strazhesko" of AMS of Ukraine ~ Kyiv ~ Ukraine

Wednesday, February 28, 2018

RISK STRATIFICATION AND MEDICAL THERAPY OF PULMONARY ARTERIAL HYPERTENSION

B60 **Clinical Science - 06 Risk stratification and medical therapy of pulmonary arterial hypertension PROGNOSTIC VALUE OF ELECTROCARDIOGRAM IN PATIENTS WITH IDIOPATHIC/ HEREDITARY PULMONARY ARTERIAL HYPERTENSION**

Elisa Zuffa*, Fabio Dardi, Nikita Tanese, Massimiliano Palazzini, Enrico Gotti, Andrea Rinaldi, Enrico Monti, Alessandra Albini, Daniele Guarino, Filippo Pasca, Mariangela Rotunno, Antonio Colangelo, Alessandra Manes, Nazzareno Galiè

University of Bologna, Department of Specialized Diagnostic and Experimental Medicine – DIMES - Bologna/IT ~ Bologna ~ Italy

RIGHT VENTRICULAR ASSISTANCE AND LUNG TRANSPLANTATION

B61 **PERCUTANEOUS ATRIAL SEPTOSTOMY WITH PERIPHERAL STENT IN A PATIENT WITH SYNCOPE AND REFRACTORY PULMONARY ARTERIAL HYPERTENSION AND MILD HYPOXIA**

Vasil Velchev*

St. Anna Hospital ~ Sofia ~ Bulgaria

TRIALS DESIGN AND NEW THERAPIES FOR PULMONARY ARTERIAL HYPERTENSION

B62 **POTENCY, SELECTIVITY, AND COMPARATIVE PLATELET AND VASCULAR ACTIVITY OF RALINEPAG ACTING ON IP RECEPTORS IN HUMAN TISSUES**

John Adams*[3], Brendan Whittle[1], Lei Shen[2], Jigisha Patel[2], Lucie H Clapp[2]

[1]William Harvey Research Institute, Barts and the London School of Medicine, Queen Mary University of London ~ London ~ United Kingdom, [2]Institute of Cardiovascular Science, University College London ~ London ~ United Kingdom, [3]Arena Pharmaceuticals ~ San Diego, CA ~ United States of America

B63 **SILDENAFIL ADDED TO PIRFENIDONE IN PATIENTS WITH ADVANCED IDIOPATHIC PULMONARY FIBROSIS (IPF) AND PULMONARY HYPERTENSION (PH): A PHASE IIB, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY**

Jürgen Behr*[1], Steven D Nathan[2], Sergio Harari[3], Wim Wuyts[4], Klaus-Uwe Kirchgaessler[5], Monica Bengus[5], Frank Gilberg[5], Athol U Wells[6]

[1]Department of Internal Medicine V, LMU and Asklepios Fachkliniken Gauting, Comprehensive Pneumology Center ~ Munich ~ Germany, [2]INOVA Heart and Vascular Institute, Inova Fairfax Hospital ~ Vienna, VA ~ United States of America, [3] U.O. di Pneumologia e Terapia Semi-Intensiva Respiratoria, Servizio di Fisiopatologia Respiratoria ed Emodinamica Polmonare, Ospedale San Giuseppe, MultiMedica IRCCS ~ Milan ~ Italy, [4]Department of Pulmonary Medicine, Unit for Interstitial Lung Diseases, University of Leuven ~ Leuven ~ Belgium, [5]F Hoffmann-La Roche, Ltd. ~ Basel ~ Switzerland, [6]Interstitial Lung Disease Unit, Royal Brompton Hospital ~ London ~ United Kingdom

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TRIALS DESIGN AND NEW THERAPIES FOR PULMONARY ARTERIAL HYPERTENSION

B64 INDIVIDUALIZED HOME-BASED EXERCISE PROGRAM FOR THE IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION PATIENTS: MULTIPLE CASE STUDY

Lina Butane*, Daina Šmite, Andris Skride

Latvian ~ Riga ~ Latvia

B65 UDENAFIL FOR THE TREATMENT OF PULMONARY ARTERIAL HYPERTENSION

Hyuk Jae Chang*[1], Shin-Jeong Song[1], Sung-A Chang[2], Hyung Kwan Kim[3], Duk-Kyung Kim[2]

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B66 ACUTE HEMODYNAMIC CHANGES AFTER SINGLE ADMINISTRATION OF UDENAFIL IN PULMONARY ARTERIAL HYPERTENSION (PHASE IIA STUDY)

Sung-A Chang*[3], Hyung-Kwan Kim[1], Hyuk Jae Chang[2], Duk-Kyung Kim[3]

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B67 BASELINE AND DEMOGRAPHIC DATA ON THE FIRST 150 PATIENTS FROM SPHERE (UPTRAVI® [SELEXIPAG]: THE USERS DRUG REGISTRY)

Kelly Chin*[1], Kristin Highland[2], Nick H Kim[3], Murali Chakinala[4], Anna Hemnes[5], Harrison Farber[6], Carol Zhao[7], Mike Keating[8], Brian Hartline[7], Johanna Colvin[7], Vallerie Mclaughlin[9]

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B68 ERS TASK FORCE: EXERCISE TRAINING AND REHABILITATION IN PATIENTS WITH SEVERE CHRONIC PULMONARY HYPERTENSION

Ekkehard Grünig*[1], Christina Eichstaedt[1], Joan-Albert Barberà[2], Isabel Blanco[2], Eduardo Bossone[3], Antonio Cittadini[3], Marion Delcroix[4], Sean Gaine[5], Stefano Ghio[6], Lina Gumbiene[7], Frances Handoko De Man[8], Martin Johnson[9], David Kiely[11], Gabor Kovacs[12], Alison Mackenzie[9], Robert Naeije[10], Silvia Ulrich[13], Horst Olschewski[12], Abílio Reis[14], Mário Santos[14], Anton Vonk Noordegraaf[8], Andrew Peacock[9], Exercise In Ph Research Group[15]

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B69 ADVANCED CORRECTIVE TREATMENT USING PULMONARY VASOREACTIVITY TESTING IN PATIENTS WITH EISENMENGER SYNDROME WITH CONGENITAL HEART DISEASES ; RETROSPECTIVE STUDY IN SINGLE CENTER

Jo Won Jung*, Se Yong Jung, Jae Young Choi, Yu Lim Shin, Han Ki Park, Young Hwan Park

Yonsei University College of Medicine ~ Seoul ~ Korea, Republic of

B70 CONTINUOUS S.C. DIURETIC THERAPY AT HOME IMPROVES QUALITY OF LIFE IN END-STAGE PAH

Miriam Kap*

Erasmus MC ~ Rotterdam ~ Netherlands

B71 BENEFICIAL EFFECTS OF FERRIC CARBOXYMALTOSE IN PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION AND IRON DEFICIENCY: A LONG-TERM PILOT STUDY

Tilmann Kramer*, Kristiana Natsina, Thomas Viethen, Felix Gerhardt, Daniel Dumitrescu, Stephan Baldus, Stephan Rosenkranz

Klinik III für Innere Medizin, Herzzentrum der Universität zu Köln, Germany ~ Köln ~ Germany

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TRIALS DESIGN AND NEW THERAPIES FOR PULMONARY ARTERIAL HYPERTENSION

B72 IDENTIFICATION OF CELASTRAMYCIN AS A NOVEL THERAPEUTIC AGENT FOR PULMONARY ARTERIAL HYPERTENSION

Ryo Kurosawa*, Satoh Kimio, Nobuhiro Kikuchi, Taijyu Satoh, Junichi Omura, Masamichi Nogi, Shinichiro Sunamura, Tomohiro Otshuki, Nobuhiro Yaoita, Mohammad Abdul Hai Siddique, Md Elias Al-Mamun, Toru Shimizu, Hiroaki Shimokawa

Tohoku University ~ Sendai ~ Japan

B73 CHRONIC TRANSFUSION EXCHANGES IN THE MANAGEMENT OF SICKLE CELL DISEASE-ASSOCIATED PRECAPILLARY PULMONARY HYPERTENSION: A PILOT STUDY

Turpin Matthieu*, Parent Florence, Jais Xavier, Montani David, Sitbon Olivier, Humbert Marc, Simonneau Gerald, Savale Laurent

Service de pneumologie - CHU Bicêtre ~ Le Kremlin Bicêtre ~ France

B74 SAFETY AND EFFICACY OF IMMUNOADSORPTION AS AN ADD-ON TO MEDICAL TREATMENT IN PATIENTS WITH SEVERE IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION (IPAH)

Christian Nagel*[2], Benjamin Egenlauf[1], Ralf Ewert[3], Hans Lehmkuhl[4], Stephan Rosenkranz[5], Nicola Benjamin[1], Vedat Schwenger[6], Felix Herth[7], Ekkehard Grünig[1]

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B75 PRECLINICAL AND PHASE 1 CLINICAL CHARACTERIZATION OF LIQ861, A NEW DRY POWDER FORMULATION OF TREPROSTINIL

Mike Royal*[1], Robert Roscigno[1], Toby Vaughn[1], Stephanie Anderson[1], William Wargin[2], Rex Williams[1], Clint Forsythe[3], Thomas Hunt[3], Patrick Normand[5], Manal Hantash[5], John Dillberger[4]

[1]Liquidia Technologies ~ RTP ~ United States of America, [2]Nuventra, Inc. ~ Durham, NC ~ United States of America, [3]PPD Development, LLC ~ Austin, TX ~ United States of America, [4]J. Dillberger LLC ~ Nashville, IN ~ United States of America, [5]ITR Laboratories ~ Montreal, Quebec ~ Canada

B76 IDENTIFICATION OF EMETINE AS A NOVEL THERAPEUTIC AGENT FOR PULMONARY HYPERTENSION IN RATS -HIGH-THROUGHPUT SCREENING OF 5,562 COMPOUNDS-

Mohammad Abdul Hai Siddique*, Kimio Satoh, Ryo Kurosawa, Md Elias Al-Mamun, Nobuhiro Kikuchi, Junichi Omura, Taijyu Satoh, Masamichi Nogi, Shinichiro Sunamura, Hiroaki Shimokawa

Department of Cardiovascular Medicine ~ Sendai ~ Japan

B77 PYRIDOXAMINE ATTENUATED THE SMOOTH MUSCLE CELL PROLIFERATION AND HEMODYNAMIC AGGRAVATION IN THE PULMONARY ARTERY HYPERTENSION ANIMAL MODEL

Kuk Hui Son*[1], Seyeon Oh[1], Seungbum Choi[1], Kyung-Hee Kim[2], Minsu Kim[1], Hanul Choi[1], Jeongwon Ryu[3], Kyunghee Byun[1], Wook-Jin Chung[1]

[1]Gachon Cardiovascular Research Institute, Gachon University ~ Incheon ~ Korea, Republic of, [2]Departement of Cardiology, Sejong General Hospital ~ Bucheon ~ Korea, Republic of, [3]Advanced Medical Technology Laboratory Healcerion Co., Ltd ~ Seoul ~ Korea, Republic of

B78 THE MOTION STUDY: A RESPONDER ANALYSIS OF RIOCIGUAT

Namita Sood*[1], Alvaro Aranda[2], David Platt[3], Larose Anneliese[3], Frank Kleinjung[4], Gerald O'brien[3]

[1]The Ohio State University ~ Colombus ~ United States of America, [2]CardioPulmonary Research Center ~ San Juan ~ Puerto Rico, [3]Bayer Pharmaceuticals, Inc. ~ Whippany ~ United States of America, [4]Bayer Pharmaceuticals, Inc. ~ Berlin ~ Germany

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PH DUE TO LEFT HEART DISEASES

B79 HEMODYNAMIC PREDICTORS OF ACUTE RIGHT HEART FAILURE AFTER HEART TRANSPLANTATION (HT). EMERGING ROLE OF PULMONARY ARTERY COMPLIANCE (PAC)

Oscar Aguirre-Zurita*, David Galvez, Walter Alarco, Oscar Guerrero, Miguel Lescano, Christian Soplopuco, Ruth Villarroel, Ana Sihuayro

INCOR ~ LIMA ~ Peru

B80 PDE-5 INHIBITORS FOR PULMONARY HYPERTENSION DUE TO LEFT HEART DISEASE: POTENTIAL BENEFIT?

Hayley Barnes*[1], Zoe Brown[2], Andrew Burns[3], Trevor Williams[1]

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B81 CLINICAL PHENOTYPES, VENTILATORY RESPONSES TO EXERCISE AND OUTCOMES OF PULMONARY HYPERTENSION DUE TO LEFT HEART DISEASE: ROLE OF THE PRE-CAPILLARY COMPONENT

Sergio Caravita*[3], Andrea Faini[1], Sandy Carolino D''Araujo[2], Céline Dewachter[2], Laura Chomette[2], Antoine Bondue[2], Robert Naeije[2], Gianfranco Parati[1], Jean-Luc Vachiéry[2]

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B82 DYSREGULATION OF WNT-RELATED SIGNALING PATHWAY CORRELATES WITH THE DEVELOPMENT OF PH SECONDARY TO LEFT VENTRICULAR DYSFUNCTION

Zen-Kong Dai*, I-Chen Chen, Jong-Hau Hsu

Dept. of Pediatrics, Kaohsiung Medical University Hospital, Kaohsiung Medical University ~ Kaohsiung ~ Taiwan

B83 A NEW SCORE TO DIFFERENTIATE IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION FROM PULMONARY HYPERTENSION DUE TO HEART FAILURE WITH PRESERVED EJECTION FRACTION

Fabio Dardi*[1], Nikita Tanese[1], Sergio Caravita[2], Andrea Rinaldi[1], Celine Dewachter[3], Enrico Gotti[1], Thomas Nguyen[3], Enrico Monti[1], Alessandra Albini[1], Massimiliano Palazzini[1], Alessandra Manes[1], Jean Luc Vachiery[3], Nazzareno Galiè[1]

[1]University of Bologna, Department of Specialized Diagnostic and Experimental Medicine – DIMES - Bologna/IT ~ Bologna ~ Italy, [2]IRCCS Ospedale S. Luca ~ Milano ~ Italy, [3]Pulmonary Hypertension and Heart Failure Clinic - CUB Hop Erasme ~ Brussels ~ Belgium

B84 PATHOPHYSIOLOGY OF PULMONARY HYPERTENSION DUE TO LEFT HEART DISEASE – A HEMODYNAMIC STUDY

Christian Gerges*[1], Mario Gerges[1], Pierre Fesler[2], Anna-Maria Pistritto[3], David Celermajer[4], Irene Lang[1]

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B85 EFFECTS OF CONTINUOUS-FLOW LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION ON PULMONARY HAEMODYNAMICS IN ADVANCED HEART FAILURE PATIENTS

Ada Francesca Giglio*[1], Luciana D''Angelo[1], Enrico Perna[1], Enrico Ammirati[1], Francesca Macera[1], Manlio Gianni Cipriani[1], Fabrizio Oliva[2], Andrea Garascia[1], Claudio Russo[2], Maria Frigerio[1]

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B86 GENETIC ANALYSIS AND CHAMBER SPECIFIC GENE EXPRESSION ANALYSIS IN PATIENTS WITH CPC-PH AND IPC-PH

Hidetaka Kioka*, Yoshihiro Asano, Ayako Takuwa, Yohei Miyashita, Hiroshi Miyawaki, Tomohito Ohtani, Yoshiki Sawa, Keiko Yamauchi-Takihara, Yasushi Sakata

Osaka University Graduate School of Medicine ~ Suita ~ Japan

B87 THERAPEUTIC POTENTIAL OF PHOSPHODIESTERASE TYPE 5 INHIBITORS IN HEART FAILURE WITH PRESERVED EJECTION FRACTION AND COMBINED POST- AND PRE-CAPILLARY PULMONARY HYPERTENSION

Tilmann Kramer*[2], Kristina Orlova[2], Felix Gerhardt[2], Daniel Dumitrescu[2], Henrik Ten Freyhaus[2], Martin Hellmich[1], Stephan Baldus[2], Stephan Rosenkranz[2]

[1]Institut für Medizinische Statistik, Informatik und Epidemiologie (IMSIE), Universität zu Köln, Germany ~ Köln ~ Germany, [2]Klinik III für Innere Medizin, Herzzentrum der Universität zu Köln, Germany ~ Köln ~ Germany

B88 PRESENCE OF PULMONARY HYPERTENSION IS A POOR PROGNOSTIC FACTOR IN PATIENTS WITH PRIMARY MITRAL REGURGITATION NOT IN SECONDARY MITRAL REGURGITATION

Ju-Hee Lee*[1], Jae-Hyeong Park[2], Hee-Jin Kwon[2], Seok-Woo Seong[2], Jin Kyung Ohh[2], Myeong-Chan Cho[2]

[1]Chungbuk National University Hospital ~ Cheongju ~ Korea, Republic of, [2]Chungnam National University ~ Daejeon ~ Korea, Republic of

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PH DUE TO LEFT HEART DISEASES

B89 FLUID CHALLENGE DURING RIGHT HEART CATHETERIZATION: AN EXPERIENCE FROM A TERTIARY PULMONARY HYPERTENSION REFERRAL CENTRE

Nima Moghaddam*[1], John Swiston[1], Robert D Levy[1], Lisa Lee[2], Victor F Huckell[1], Nathan W Brunner[1]

[1]University of British Columbia ~ Vancouver ~ Canada, [2]Vancouver Coastal Health ~ Vancouver ~ Canada

B90 EFFECT OF IMPROVEMENT OF PULMONARY HYPERTENSION AND/OR LEFT VENTRICULAR SYSTOLIC FUNCTION ON THE LONG-TERM PROGNOSIS OF PATIENTS WITH PULMONARY HYPERTENSION WITH LEFT VENTRICULAR SYSTOLIC DYSFUNCTION

Jae-Hyeong Park*[3], Ju-Hee Lee[1], Hee-Jin Kwon[2]

[1]Chungbuk National University Hospital ~ Cheongju ~ Korea, Republic of, [2]Chungnam National University ~ Daejeon ~ Korea, Republic of, [3]~ Korea, Republic of

B91 COMPARATIVE OUTCOME OF INCIDENT PATIENTS WITH PULMONARY HYPERTENSION DUE TO LEFT HEART DISEASE ACCORDING WITH THE HAEMODYNAMIC CLASSIFICATION OF THE 2015 ESC-ERS PULMONARY HYPERTENSION GUIDELINES

Filippo Pasca*, Fabio Dardi, Massimiliano Palazzini, Enrico Gotti, Andrea Rinaldi, Alessandra Albini, Enrico Monti, Elisa Zuffa, Daniele Guarino, Nikita Tanese, Mariangela Rotunno, Antonio Colangelo, Alessandra Manes, Nazzareno Galiè

University of Bologna, Department of Specialized, Diagnosticand Experimental Medicine – DIMES - Bologna/IT ~ Bologna ~ Italy

B92 NEDA PH-LHD PREDICTIVE MODEL: VALIDATION OF DIASTOLIC MARKERS OF PULMONARY HYPERTENSION WITH RIGHT HEART CATHETERISATION

Geoff Strange*[1], David Playford[1], Pyi Naing[1], Jim Codde[1], David Celermajer[2], Gregory Scalia[3], Kevin Chung[1]

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B93 RHO-KINASE AND CYCLOPHILIN A AS NOVEL THERAPEUTIC TARGETS FOR CARDIAC DIASTOLIC DYSFUNCTION AND POST-CAPILLARY PULMONARY HYPERTENSION

Shinichiro Sunamura*, Kimio Satoh, Ryo Kurosawa, Tomohiro Ohtsuki, Nobuhiro Kikuchi, Mohammad Elias-Al-Mamun, Toru Shimizu, Shohei Ikeda, Kota Suzuki, Taijyu Satoh, Junichi Omura, Masamichi Nogi, Mohammad Abdul Hai Siddique, Satoshi Miyata, Hiroaki Shimokawa

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B94 MEAN VELOCITY OF THE PULMONARY ARTERY AS AN EARLY PROGNOSTIC INDICATOR IN HFREF IN RELATION WITH FIBROSIS BIOMARKERS GALECTIN-3 AND ST2/IL-1.

Blanca Trejo-Velasco*[1], Oscar Fabregat-Andrés[1], Maria Pilar García-González[2], Monica Ferrando[1], Diana Perdomo-Londoño[1], Joaquina Belchi[1], Cristina Albiach-Montañana[1], Sergio Sánchez-Álvarez[1], Juan Pablo Cardenas-Tealdo[1], Salvador Morell-Cabedo[1], Francisco Ridocci-Soriano[1]

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B95 A RARE AND RAPIDLY PROGRESSING CASE OF PULMONARY HYPERTENSION

Yalin Tolga Yaylali*, Sonmez Gokhan

Pamukkale University ~ Denizli ~ Turkey

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PH DUE TO CHRONIC LUNG DISEASES

C10 A POTENTIAL ROLE FOR PDE-5 INHIBITORS FOR PULMONARY HYPERTENSION DUE TO LUNG DISEASE/HYPOXIA

Hayley Barnes*[1], Zoe Brown[2], Andrew Burns[3], Trevor Williams[1]

[1]Alfred Hospital ~ Melbourne ~ Australia, [2]Royal Adelaide Hospital ~ Adelaide ~ Australia, [3]Department of Cardiology, St Vincent's Hospital ~ Melbourne ~ Australia

C11 SEVERE PULMONARY HYPERTENSION IN TOBACCO-INDUCED RESPIRATORY DISEASES

Samy Chelabi*[1], Guillaume Chassagnon[2], Laurent Savale[1], Jason Weatherald[5], Xavier Jais[1], Athenais Boucly[1], Herve Mal[4], Pierre-Regis Burgel[3], Gerald Simonneau[1], Olivier Sitbon[1], Marc Humbert[1], David Montani[1]

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C12 COMPARATIVE OUTCOME OF INCIDENT PATIENTS WITH PULMONARY HYPERTENSION DUE TO LUNG DISEASE ACCORDING WITH THE HAEMODYNAMIC CLASSIFICATION OF THE 2015 ESC-ERS PULMONARY HYPERTENSION GUIDELINES

Daniele Guarino*, Massimiliano Palazzini, Enrico Gotti, Andrea Rinaldi, Fabio Dardi, Alessandra Albini, Enrico Monti, Elisa Zuffa, Filippo Pasca, Nikita Tanese, Mariangela Rotunno, Antonio Colangelo, Alessandra Manes, Nazzareno Galiè

University of Bologna, Department of Specialized Diagnostic and Experimental Medicine – DIMES - Bologna/IT ~ Bologna ~ Italy

C13 INHALED ILOPROST AS POTENTIAL NEW TREATMENT FOR GROUP 3 PULMONARY HYPERTENSION

Chih-Hsin Hsu*, Po-Lan Su

Department of Internal Medicine, National Cheng Kung University Hospital ~ Tainan ~ Taiwan

C14 PROGNOSTIC FACTORS OF PULMONARY HYPERTENSION WITH SEVERE LUNG DISEASE IN RETROSPECTIVE STUDY

Nakayama Kazuhiko*, Emoto Noriaki, Tamada Naoki, Shinkura Yuto, Onishi Hiroyuki, Yanaka Kenichi, Matsuoka Yoichiro, Shinke Toshiro, Hirata Ken-Ichi

Kobe University Graduate School of Medicine ~ Kobe ~ Japan

C15 ESTABLISHMENT OF A NOVEL MODEL OF GROUP 3 PULMONARY HYPERTENSION INDUCED BY SU5416/HYPOXIA IN RATS

Yosuke Wada*, Kitaguchi Yoshiaki, Yasuo Masanori, Hanaoka Masayuki

First Department of Internal Medicine, Shinshu University School of Medicine ~ Matsumoto ~ Japan

C16 A RARE RESPITORY CONDITION ASSOCIATED WITH PULMONARY HYPERTENSION

Yalin Tolga Yaylali*, Sinan Durmus, Alperen Emre Akgun, Fatma Evyapan

Pamukkale University ~ Denizli ~ Turkey

CTEPH

C17 BALLOON PULMONARY ANGIOPLASTY(BPA) AS AN ADDITIONAL TREATMENT OPTION FOR PATIENTS WITH INOPERABLE CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION (CTEPH) TREATED WITH RIOCIGUAT.

Shiro Adachi*[1], Nakano Yoshihisa[1], Tajima Fumitaka[2], Shimokata Shigetake[1], Kamimura Yoshihiro[1], Okumura Naoki[1], Murohra Toyoaki[1], Kondo Takahisa[1]

[1]Nagoya university graduate school of medicine ~ nagoya ~ Japan, [2]Nagoya university hospital ~ Nagoya ~ Japan

C18 SUBMASSIVE PULMONARY EMBOLISM TREATMENT WITH ULTRASOUND-ACCELERATED THROMBOLYSIS (SPEAR) TRIAL: A PROSPECTIVE STUDY.

Wael Berjaoui*, Michael Knox, Reda Girgis, David Langholz

Spectrum Health ~ Grand Rapids ~ United States of America

C19 PREVALENCE AND LONG TERM OUTCOME OF CTEPH - SINGLE CENTRE EXPERIENCE.

Marcela Bohacekova*, Tatiana Valkovicova, Monika Kaldararova, Iveta Simkova

Department of Cardiology and Angiology, Medical Faculty, Slovak Medical University and National Institute of Cardiovascular Diseases, ~ Bratislava ~ Slovakia

Thursday, March 1, 2018

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C20 IS SUBDURAL HAEMORRHAGE AFTER PULMONARY ENDARTERECTOMY UNDER-ESTIMATED?

Alicia Xue Fen Chia*[1], Jonathan Yap[1], Wen Ruan[1], Kenny Wei-Tsen Loh[2], Foong Koon Cheah[2], Ai Leen Ang[2], Ghee Chee Phua[2], Duu Wen Sewa[2], Ju Le Tan[1], David Jenkins[3], Victor Tar Toong Chao[1], Soo Teik Lim[1]

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C21 ABSENCE OF THE FACTOR V LEIDEN MUTATION AND GENETIC RISK FOR CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

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C22 EFFECT OF BALLOON PULMONARY ANGIOPLASTY ON RIGHT VENTRICULAR AFTERLOAD IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Christian Gerges*[1], Mario Gerges[1], Nika Skoro-Sajer[1], Roela Sadushi-Kolici[1], Bernhard Moser[2], Shahrokh Taghavi[2], Walter Klepetko[2], Hiromi Matsubara[3], Irene Lang[1]

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C23 VENTILATION/PERFUSION SCINTIGRAPHY FOR THE DIAGNOSIS OF CTEPH AFTER SPLENECTOMY

Mario Gerges*[4], Christian Gerges[4], Karanikas Georgios[1], Wolfgang Birkfellner[2], Isolde Maria Weinberg[2], Ilse Schwarzinger[3], Max Publig[3], Nika Skoro-Sajer[4], Maria Frey[4], Michael Schaffarich[2], Johannes Jakowitsch[4], Klaus Lechner[5], Bernhard Moser[6], Taghavi Sharokh[6], Walter Klepteko[6], Marcus Hacker[1], Irene Marthe Lang[4]

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C24 EXPERIENCE OF ONE YEAR OF BALLOON PULMONARY ANGIOPLASTY IN A SINGLE CENTER: SAFETY AND SHORT TERM RESULTS

Enrico Gotti*, Massimiliano Palazzini, Andrea Rinaldi, Fabio Dardi, Enrico Monti, Alessandra Albini, Elisa Zuffa, Daniele Guarino, Filippo Pasca, Nikita Tanese, Mariangela Rotunno, Antonio Colangelo, Alessandra Manes, Nazzareno Galiè

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C25 EXERCISE RIGHT HEART CATHETERIZATION IN PATIENTS WITH CHRONIC THROMBOEMBOLIC DISEASE – THERE IS A NEED FOR DEFINITION OF EXERCISE PULMONARY HYPERTENSION

Stefan Guth*[1], Christoph Wiedenroth[1], Rieth Andreas[1], Christoph Liebetrau[1], Manuel Richter[2], Hossein Ardeschir Ghofrani[1], Eckhard Mayer[1]

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C26 END-STAGE CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: UNIQUE MOLECULAR AND HISTOPATHOLOGICAL IMPRINT

Dijana Iloska*[1], Jochen Wilhelm[2], Stefan Guth[3], Rajkumar Savai[1], Ralph Schermuly[2], Ludger Fink[2], Werner Seeger[1], Eckhard Mayer[3], Soni Pullamsetti Savai[1]

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C27 USEFULNESS OF PERCUTANEOUS TRANSLUMINAL PULMONARY ANGIOPLASTY FOR CHRONIC PULMONARY THROMBOEMBOLIC DISEASE

Takumi Inami*[1], Masaharu Kataoka[2], Yohei Shigeta[1], Kaori Takeuchi[1], Hanako Kikuchi[1], Ayumi Goda[1], Haruhisa Ishiguro[1], Hideaki Yoshino[1], Toru Satoh[1]

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C28 THE RELATIONSHIP BETWEEN THE DIAMETER OF BRONCHIAL ARTERIES AND THE RISK OF PULMONARY EDEMA OR AIRWAY BLEEDING FOR PULMONARY ENDARTERECTOMY

Takayuki Jujo*, Tanabe Nobuhiro, Sakao Seiichiro, Akira Naito, Suda Rika, Kasai Hajime, Nishimura Rintaro, Sugiura Toshihiko, Ishida Keiichi, Tatsumi Koichiro

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C29 HOW DIFFERENT IS CENTRAL VERSUS PERIPHERAL CTEPH?

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C30 CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION IN FIRSTLY DIAGNOSED PULMONARY EMBOLISM : INCIDENCE, PREDICTORS, AND PROGNOSTIC IMPLICATIONS

Kye Hun Kim*, Hyukjin Park, Jae Yeong Cho, Hyun Ju Yoon, Jong Chun Park

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C31 FEASIBILITY AND SAFETY OF SHORTENING HOSPITAL STAY IN PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION TREATED WITH BALLOON PULMONARY ANGIOPLASTY

Mai Kimura*, Takashi Kohno, Takashi Kawakami, Masaharu Kataoka, Toshimitsu Tsugu, Sarasa Isobe, Shinsuke Yuasa, Yuji Itabashi, Mitsushige Murata, Keiichi Fukuda

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C32 EVALUATION OF HEMODYNAMIC RESPONSES TO EXERCISE IN PATIENTS WITH CTEPH AFTER BALLOON PULMONARY ANGIOPLASTY

Sugimura Koichiro*, Aoki Tatsuo, Tatebe Shunsuke, Yamamoto Saori, Yaoita Nobuhiro, Sato Haruka, Kozu Katsuya, Konno Ryo, Shimokawa Hiroaki

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C33 CHANGES IN VESSEL DIAMETER AND LOCAL ELASTIC PROPERTIES OF PULMONARY ARTERIES AFTER BALLOON PULMONARY ANGIOPLASTY.

Wojciech Magon*, Jakub Stepniewski, Marcin Waligóra, Kamil Jonas, Piotr Podolec, Grzegorz Kopec

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C34 3D PRINTING IN PATIENTS WITH PULMONARY HYPERTENSION

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C35 DRUG-DRUG INTERACTION EVALUATION BETWEEN DIRECT ORAL ANTICOAGULANTS AND PHOSPHODIESTERASE-5 INHIBITORS: A POTENTIAL RISK FOR PULMONARY HYPERTENSION PATIENTS?

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C36 PULMONARY ENDARTERECTOMY: BOLOGNA UNIVERSITY EXPERIENCE

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C37 MULTI-STEP THERAPY WITH RIOCIGUAT, BALLOON PULMONARY ANGIOPLASTY, AND CARDIAC REHABILITATION FOR INOPERABLE CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Takeshi Ogo*, Shigefumi Fukui, Yoichi Goto, Nao Konagai, Ryotaro Asano, Jin Ueda, Akihiro Tsuji, Yoshiaki Morita, Michio Nakanishi, Keiichi Fukuda, Satoshi Yasuda, Michio Nakanishi

National Cerebral and Cardiovascular Centre ~ Osaka ~ Japan

C38 RESIDUAL RIGHT VENTRICULAR REMODELING FOLLOWING BALLOON PULMONARY ANGIOPLASTY IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Takeshi Ogo*[1], Ryotaro Asano[1], Ohta-Ogo Keiko[2], Shigefumi Fukui[1], Akihiro Tsuji[1], Jin Ueda[1], Nao Konagai[1], Keiichi Fukuda[3], Yoshiaki Morita[3], Satoshi Yasuda[1]

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C39 CHRONIC THROMBOEMBOIC PULMONARY HYPERTENSION ASSOCIATED WITH CHRONIC SYNTHETIC CANNABINOIDS 'BONZAI' USE

Gül Öngen*[1], Ersan Atahan[1], Burçak Kiliçkiran Avci[3], Bedrettin Yildizeli[2]

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C40 PULMONARY BLOOD VOLUME BY DUAL-ENERGY CT IS A NEW MANAGEMENT INDEX FOR CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Hiroyuki Onishi*[1], Nakayama Kazuhiko[1], Yanaka Kenichi[1], Tamada Naoki[1], Izawa Yuu[1], Shinkura Yuto[1], Tuboi Yasunori[1], Shimoyama Shinsuke[3], Nishii Tatsuya[3], Kono Atushi[3], Negi Noriyuki[2], Mori Shumpei[1], Otake Hiromasa[1], Satomi-Kobayashi Seimi[1], Shinke Toshiro[1], Emoto Noriaki[4], Hirata Ken-Ichi[1]

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C41 REPEATED EMBOLIZATION COMBINED WITH INHIBITION OF ANGIOGENESIS RESULTS IN EARLY CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION IN RABBITS

Rozenn Quarck*[1], Allard Wagenaar[1], Birger Tielemans[1], Frédéric Perros[3], Peter Dorfmüller[3], Catharina Belge[2], Marion Delcroix[2]

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C42 PREVALENCE AND CHARACTERISTICS OF PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION FROM A SINGLE SINGAPORE CENTRE

Wen Ruan*[1], Kevin Quah[1], Jonathan Yap[1], Aidila Binte Ismail[1], Duu Wen Sewa[2], Ghee Chee Phua[2], Ai Leen Ang[2], Foong Koon Cheah[2], Kenny Loh[1], Chia Alicia Xue Fen[1], Choong Hee Lim[1], Jenkins David[3], Victor Tar Toong Chao[1], Soo Teik Lim[1], Ju Le Tan[1]

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C43 SUBCUTANEOUS TREPROSTINIL FOR THE TREATMENT OF NON-OPERABLE CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: A RANDOMIZED, CONTROLLED TRIAL (CTREPH)

Roela Sadushi-Kolici*[4], Pavel Jansa[1], Grzegorz Kopec[2], Adam Torbicki[3], Ioana-Alexandra Campean[4], Gert Hoeffken[5], Nika Skoro-Sajer[4], Iveta Simkova[6], Kristof Karlocai[7], Regina Steringer-Mascherbauer[8], Miroslav Samarzija[9], Barbara Salobir[10], Walter Klepetko[11], Jaroslav Lindner[12], Irene Marthe Lang[4]

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C44 THE ESC/ERS RISK ASSESSMENT INSTRUMENT FOR PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION IS ALSO APPLICABLE IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

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C45 A TREATMENT GOAL TO IMPROVE RENAL FUNCTION AFTER BALLON PULMONARY ANGIOPLASTY IS REDUCING PULMONARY VSCULAR RESISTANCE IN PATIENTS WITH CHRONIC THROMBOLIC PULMONARY HYPERTENSION

Isobe Sarasa*, Itabashi Yuji, Kawakami Takeshi, Kataoka Masaharu, Murata Mitsushige, Fukuda Keiichi

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C46 EARLY OUTCOMES FOLLOWING PULMONARY ENDARTERECTOMY: AN AUSTRALIAN TERTIARY REFERRAL CENTRE EXPERIENCE

Sarah Scheuer*[2], Sam Emmanuel[1], Anne Keogh[2], Joanna Pepke-Zaba[3], David Jenkins[4], David Boshell[1], Eugene Kotylar[5], Kumud Dhital[2]

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C47 PREDICTORS FOR WORSENING HEMODYNAMICS DURING FOLLOW-UP PERIOD AFTER BALLOON PULMONARY ANGIOPLASTY

Yuto Shinkura*[2], Kazuhiko Nakayama[2], Hiroyuki Onishi[2], Kenichi Yanaka[2], Naoki Tamada[2], Yasunori Tsuboi[2], Hiromasa Otake[2], Seimi Satomi-Kobayashi[2], Toshiro Shinke[2], Noriaki Emoto[1], Ken-Ichi Hirata[2]

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C48 A SIMPLE PREDICTIVE ALGORITHM FOR MORTALITY RISK IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Nika Skoro-Sajer*[1], Christian Gerges[1], Mario Gerges[1], Adelheid Panzenböck[1], Johannes Jakowitsch[1], Walter Klepetko[2], David Celermajer[3], Irene Lang[1]

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C49 CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION MIMICS PULMONARY EMBOLISM

Andris Skride*, Dana Kigitovica, Valdis Gibietis, Barbara Vitola, Sintija Strautmane

Dr ~ Riga ~ Latvia

C50 SAFETY AND EFFICACY OF DIRECT ORAL ANTICOAGULANTS FOR PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION IN ONE EXPERT CENTER IN JAPAN

Rika Suda*, Nobuhiro Tanabe, Takayuki Jujo, Akira Naito, Rintaro Nishimura, Toshihiko Sugiura, Seiichiro Sakao, Koichiro Tatsumi

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C51 PULMONARY ENDARTERECTOMY AND BALLOON PULMONARY ANGIOPLASTY SIMILARLY IMPROVE HEALTH RELATED QUALITY OF LIFE IN PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION.

Naoki Tamada*[1], Kazuhiko Nakayama[1], Ken-Ichi Yanaka[1], Hiroyuki Onishi[1], Yuto Shinkura[1], Kazuhiro P Izawa[2], Toshiro Shinke[1], Noriaki Emoto[3], Ken-Ichi Hirata[1]

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C52 POOR SUBPLEURAL PERFUSION RELATING TO LESS DEVELOPED BRONCHIAL ARTERIES PREDICTS FAILURE AFTER BALLOON PULMONARY ANGIOPLASTY FOR NON-OPERABLE CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Yu Taniguchi*[2], Philippe Brenot[1], Xavier Jais[2], Carlos Garcia[1], Olivier Planche[2], Elie Fadel[1], Marc Humbert[2], Gerald Simonneau[2]

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C53 THE WALL SHEAR STRESS OF THE PULMONARY ARTERIES IN THE PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION BEFORE AND AFTER BALLOON PULMONARY ANGIOPLASTY; ANALYSIS USING COMPUTATIONAL FLUID DYNAMICS.

Hideo Tsubata*[1], Nakanishi Naohiko[1], Itatani Keiichi[2], Fukai Kuniyoshi[1], Yaku Hitoshi[2], Matoba Satoaki[1]

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C54 HYDATID EMBOLIZATION RELATED CHRONIC PULMONARY HYPERTENSION

Omac Tufekcioglu*[1], Idris Yakut[1], Yucel Kanal[1], Ilke Erbay[1], Funda Dereagzi[1], Yesim Akin[1], Levent Birincioglu[2], Hatice Sasmaz[1]

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C55 CASE SERIES OF SEVEN WOMEN WITH UTERINE FIBROIDS LEADING TO THROMBOEMBOLIC DISEASE AND CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Anjali Vaidya*[2], Anne-Sophie Lacharite-Roberge[1], Farhan Raza[2], Riyaz Bashir[2], Chandra Dass[4], Yoshiya Toyoda[3], Paul Forfia[2]

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C56 INITIAL CLINICAL AND HEMODYNAMIC RESULTS OF A REGIONAL PULMONARY THROMBOENDARTERECTOMY PROGRAM

Anjali Vaidya*, Farhan Raza, Anne-Sophie Lacharite-Roberge, Chandra Dass, Riyaz Bashir, Toyoda Yoshiya, Paul Forfia

Temple Heart and Vascular Institute ~ Philadelphia ~ United States of America

C57 ENDOTHELIAL PROGENITOR CELLS(EPCS) IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION(CTEPH)

Keiko Yamamoto*[2], Rintaro Nishimura[1], Akira Naito[2], Rika Suda[2], Takayuki Jujo[1], Seiichiro Sakao[2], Nobuhiro Tanabe[1], Koichiro Tatsumi[2]

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C58 PREDICTIVE POWER OF THE RISK STRATIFICATION SCORES FOR PULMONARY HYPERTENSION IN PULMONARY EMBOLISM

Yalin Tolga Yaylali*[1], Samet Yilmaz[1], Hande Senol[1], Omac Tufekcioglu[2]

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C59 PRACTICES SURROUNDING PULMONARY HYPERTENSION AND BRONCHOPULMONARY DYSPLASIA AMONGST NEONATOLOGISTS CARING FOR PREMATURE INFANTS

Gabriel Altit*, Henry Chong Lee, Susan Hintz, Theresa Tacy, Jeffrey Feinstein, Shazia Bhombal

Stanford University ~ Palo Alto ~ United States of America

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C60 PULMONARY ARTERY HYPERTENSION IS ASSOCIATED WITH DECREASED CARDIAC OUTPUT IN FONTAN PATIENTS

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C61 INTRAVENOUS TREPROSTINIL AND OCCULT FRACTURES IN INFANTS: MORE THAN A CASUAL CORRELATION?

Meghan Bernier*, Lewis Romer

Johns Hopkins School of Medicine ~ Baltimore ~ United States of America

C62 THE CARDIOPULMONARY EXERCISE TESTING IN CHILDREN AND ADOLESCENTS WITH PULMONARY ARTERIAL HYPERTENSION.

Mariana Cazalas*, Ines Abella, Alejandro Tocci, Claudio Moros, Maria Sicurello, Haydee Vazquez, Maria Grippo

Argentine Society of Cardiology ~ Buenos Aires ~ Argentina

C63 PEDIATRIC PULMONARY HYPERTENSION AT CHIDREN HOSPITAL "DR RICARDO GUTIERREZ"BUENOS AIRES. ARGENTINA

Mariana Elisa Cazalas*, Maria Grippo, Ines Abella, Haydee Vazquez, Maria Sicurello, Alejandro Goldsman, Angela Sardella, Isabel Torres

Argentine Society of Cardiology ~ Buenos Aires ~ Argentina

C64 PEDIATRIC PULMONARY HYPERTENSION AND CONGENITAL HEART DISEASE. EXPIERENCE AT CHILDREN HOSPITAL "DR. RICARDO GUTIÉRREZ" BUENOS AIRES, ARGENTINA.

Mariana Elisa Cazalas*, Maria Grippo, Haydee Vazquez, Alejandro Goldsman, Maria Sicurello, Alberto Quilindro, Angela Sardella, Ines Abella

Children Hospital Dr Ricardo Gutiérrez . Buenos Aires. Argentina ~ Buenos Aires ~ Argentina

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C65 **OUTCOMES OF TREATMENTS OF SELECTIVE PULMONARY VASODILATORS AFTER THE TRANSCATHETER CLOSURE IN ATRIAL SEPTAL DEFECT WITH PULMONARY ARTERIAL HYPERTENSION**

Jae Young Choi*, Kim Jung Yoon, Kim Ah Young, Jung Jo Won, Jung Se Yong

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C66 **COMPARISON BETWEEN PAEDIATRIC AND ADULT PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION**

Fabio Dardi*, Alessandra Manes, Massimiliano Palazzini, Elisa Zuffa, Enrico Gotti, Andrea Rinaldi, Alessandra Albini, Enrico Monti, Daniele Guarino, Filippo Pasca, Nikita Tanese, Antonio Colangelo, Mariangela Rotunno, Andrea Donti, Nazzareno Galiè

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C67 **ATRIAL SEPTAL DEFECT FENESTRATED DEVICES IN CHILDREN WITH SEVERE PULMONARY HYPERTENSION**

Anne Fournier*, Francisco Gonzales-Barlatay, Maire-Josee Raboisson, Julie Briere, Nagib Dahdah

CHU mere-enfant Sainte-Justine ~ Montreal ~ Canada

C68 **EPIDEMIOLOGICAL CHARACTERISTICS OF PULMONARY ARTERIAL HYPERTENSION IN THE PEDIATRIC POPULATION. REGISTRATION OF A MEXICAN NATIONAL CENTER.**

Humberto Garcia*, Emilia Covian, Sandra Patricia Antunez, Eduardo Melendez, Ramon Flores, Antonio Salgado

ISSSTE ~ Mexico ~ Mexico

C69 **ECONOMIC EVALUATION AND BUDGET IMPACT ANALYSIS OF A PEDIATRIC PULMONARY HYPERTENSION PROGRAM IN MEXICO.**

Humberto Garcia*[1], Silvia Guzman[2], Enrique Gomez Alvarez[3], Maria Emilia Covian[3], Araceli Olivares[2], Herman Soto[2]

[1]ISSSTE ~ Mexico ~ Mexico, [2]HS ~ Mexico ~ Mexico, [3]~ Mexico ~ Mexico

C70 **VENTRICULAR ARTERIAL COUPLING RATIO AND VOLUMES CORRELATE WITH RIGHT VENTRICULAR STRAIN AND PREDICTS OUTCOMES USING THREE-DIMENSIONAL ECHOCARDIOGRAPHY IN PEDIATRIC PULMONARY HYPERTENSION**

Pei-Ni Jone*, Michal Schäfer, D Dunbar Ivy

Children's Hospital Colorado, University of Colorado School of Medicine ~ Aurora ~ United States of America

C71 **COMPARATIVE ANALYSIS OF DETERMINING RISK FACTORS OF PNEUMOTHORAX COMPLICATING PERSISTENT PULMONARY HYPERTENSION OF THE NEWBORN IN THAI NEONATES**

Narongsak Nakwan*, Sutthikiat Jaroensri, Wuttichart Kamolvisit

Department of Pediatrics, Hat Yai Hospital ~ Songklha ~ Thailand

C72 **A CASE OF ATRIAL SEPTAL DEFECT ASSOCIATED PULMONARY ARTERIAL HYPERTENSION RELATED TO EISENMENGER'S SYNDROME**

Hidemi Sorimachi*, Noriaki Takama, Masahiko Kurabayashi

Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine ~ Maebashi ~ Japan

C73 **FIRST-IN-CHILD USE OF THE SOLUBLE GUANYLATE CYCLASE STIMULATOR RIOCIGUAT IN PULMONARY ARTERIAL HYPERTENSION**

Till Spreemann*, Christoph Happel, Harald Bertram, Georg Hansmann

Hannover Medical School ~ Hannover ~ Germany

C74 **IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION IN PEDIATRICS: VALIDITY OF DOPPLER COLOR ECHOCARDIOGRAM FOR THE NON-INVASIVE DIAGNOSIS**

Carolina Stepffer*, Adelia Marques, Julieta Rancati, Ines Martinez, Jesus Damsky Barbosa

hospital elizalde ~ buenos aires ~ Argentina

C75 **CONGENITAL HEART DEFECT WITH PULMONARY HYPERTENSION: IS POSSIBLE A SURGICAL CORRECTION AFTER TREATMENT WITH SILDENAFIL?**

Carolina Stepffer*, Maria Adelia Marques, Ines Martinez, Ana De Dios, Jesus Damsky Barbosa

hospital elizalde ~ buenos aires ~ Argentina

Thursday, March 1, 2018

PATIENTS' PERSPECTIVES

C76 PHARMACOECONOMIC BURDEN OF PULMONARY HYPERTENSION IN DIFFERENT HEALTH CARE SYSTEMS

Burger Charles D*, Mohamedanwar Ghandour, Divya Padmanabhan Menon

Mayo Clinic ~ Jacksonville, Florida ~ United States of America

C77 INTERNATIONAL ENVIRONMENTAL SCAN OF SPECIALIZED PULMONARY HYPERTENSION CLINICS

Carolyn Doyle-Cox*[1], Gail Nicholson[2], Wendy Gin-Sing[3], Traci Stewart[4]

[1]University of Ottawa Heart Institue ~ Ottawa ~ Canada, [2]Alberta Health Services ~ Alberta ~ Canada, [3]Hammersmith Hospital ~ London ~ United Kingdom, [4]University of Iowa ~ Iowa ~ United States of America

C78 ORAL UPFRONT COMBINATION THERAPY IN PATIENTS WITH CONNECTIVE TISSUE DISEASE-ASSOCIATED PULMONARY ARTERIAL HYPERTENSION: FROM A RETROSPECTIVE COHORT STUDY

Kentaro Ejiri*, Satoshi Akagi, Toshihiro Sarashina, Kazufumi Nakamura, Hiroshi Ito

Okayama University ~ Okayama ~ Japan

C79 ASSESSMENTO OF LUNG ULTRASONOGRAPHY AS PREDICTOR OF PULMONARY INVOLVEMENT IN A COHORT OF PATIENTS AFFECTED BY SYSTEMIC SCLEROSIS COMPLICATED BY EITHER INTERSTITIAL LUNG DISEASE OR PULMONARY ARTERIAL HYPERTENSION

Elisa Tinazzi*, Federico Confente, Gloria Tacchella, Giuseppe Patuzzo, Claudio Lunardi

University of Verona ~ Verona ~ Italy

6th WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

Nice
February 27-28 / March 1, 2018

GENERAL INFORMATION

CONGRESS LOCATION

Nice Acropolis Congress Center
Entrance for the public from Risso Boulevard, Nice
Ph: +33 (0)4 93 92 83 00
Fax: +33 (0)4 93 92 82 55

OFFICIAL LANGUAGE

The official language of the Symposium is English.

SECURITY CHECKPOINT

For safety reasons, every person accessing to the Nice Acropolis Congress Center has to go through a Security Checkpoint placed at the entrance. We suggest to all participants to arrive in due time.

REGISTRATION

Every registered attendee can collect his/her congress kit at the Registration Desk placed in Agora 1 after the main entrance. New Registrations are accepted onsite only with payment by credit/debit card.

REGISTRATION FEES (VAT INCLUDED)

Registration	Fee
Poster presenters	€ 550,00
University & public/private hospital **nurses***	€ 550,00
University & public/private hospital **physicians***	€ 1.200,00
No-university/no-public/private hospital physicians and pharma companies representatives	€ 3.300,00
Reduced fee for staff members of the sponsor companies	€ 1.650,00

** To benefit from this Registration Fee, the participant must provide the Organizing Secretariat with a document testifying his/her affiliation to the University/Hospital.*

The Registration Fee includes:
Admission to Scientific Sessions, congress kit, coffee breaks and lunches.
Accompanying persons are not accepted in the Congress Area.

BADGES

Participants are requested to wear their congress badge during all sessions, coffee breaks, lunches.
Badges colored stripes:
RED: TASK FORCES
BLUE: ATTENDEES
YELLOW: SPONSORS
GREY: ORGANIZATION STAFF

REGISTRATION AND POSTER DESK

The desks are open during the congress as follows:
Monday February 26 from 16.00 to 19.00
Tuesday February 27 from 07.30 to 19.00
Wednesday February 28 from 08.00 to 17.30
Thursday March 1 from 08.00 to 17.30

INTERNET CONNECTION

All the congress venue is wifi area – codes to access internet are:
- WIFI name: wsph2018
- login: wsph2018
- password: wsph2018

VOTING SYSTEM

Through a WEBAPP the audience is kindly requested to attend the interactive part of each TF session. Instructions are given onsite.
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.

COFFEE BREAKS, LUNCHES

Coffee breaks are arranged in Agora 2, outside the Meeting Hall.
Lunches are served in Agora 3, while desserts and coffees in Agora 2, next to the Posters Area.
No accompanying person is allowed to access coffee breaks and lunches during the Conference.

BAR

Mykonos Bar is open during the Conference at Acropolis Center (drinks upon payment).

CERTIFICATE OF ATTENDANCE

The certificate of attendance is available on request at the Registration Desk.

ABSTRACT BOOK

The Posters Abstract Book is published on the Symposium Website: www.wsph2018.com

GENERAL INFORMATION

INFORMATION FOR SPEAKERS, POSTER PRESENTERS AND AWARDED BEST POSTERS

SPEAKERS: Slide center opening times
Monday February 26 from 16.00 to 19.00
Tuesday February 27 from 07.30 to 19.00
Wednesday February 28 from 08.00 to 17.30
Thursday March 1 from 08.00 to 17.30

Speakers are kindly requested to reach our technical support team in the slide center not later than 2 hours before the relevant scheduled session in order to copy the presentations onto the meeting computer.
Presentations must be in Power Point and no personal computer is 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
In the Posters Area touch screens are available to find any poster and author name.
Near each name the number of the corresponding panel (where the poster must be fixed) is indicated.
In the Posters Area, presenters can find the necessary material to hang their poster.
Our staff is in assistance to the poster presenters to fix their posters in the Posters Area (Agora 2).

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 from 7.30 to 9.00 and also the day before February 26 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 exhibition within 19.30.
At 19.30 of the same day, our Organization will remove and eliminate all posters not dismounted by presenters.

POSTER PRESENTATION

Although, no poster discussion is planned, the poster presenters are kindly invited to be near their posters during lunch time in order to assist attendees interested in having information on their works.

BESTS POSTER AWARDS CEREMONY

All winners are kindly requested to be present in Apollon room on February 27 at 12.30 for the Best Poster Awards Ceremony.

EACCME CREDITS

The 6TH WORLD SYMPOSIUM ON PULMONARY HYPERTENSION, Nice, France, 27/02/2018-01/03/2018 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **19 European CME credits** (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.
Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits ™. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.
Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

EACCME® credits
Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form. Cf. criteria 9 and 23 of UEMS 2016.20.
In order to help you issue individual certificates to each participants, please find below the breakdown of ECMEC®s per day:
27.02.2018 - 7,00
28.02.2018 - 6,00
01.03.2018 - 6,00

The EACCME® awards ECMEC®s on the basis of 1 ECMEC® for one hour of CME with a maximum of 8 ECMEC®s per day. Cf. Chapter X of UEMS 2016.20.

GENERAL INFORMATION

TRANSPORTATION

Access to Nice Acropolis Congress Center

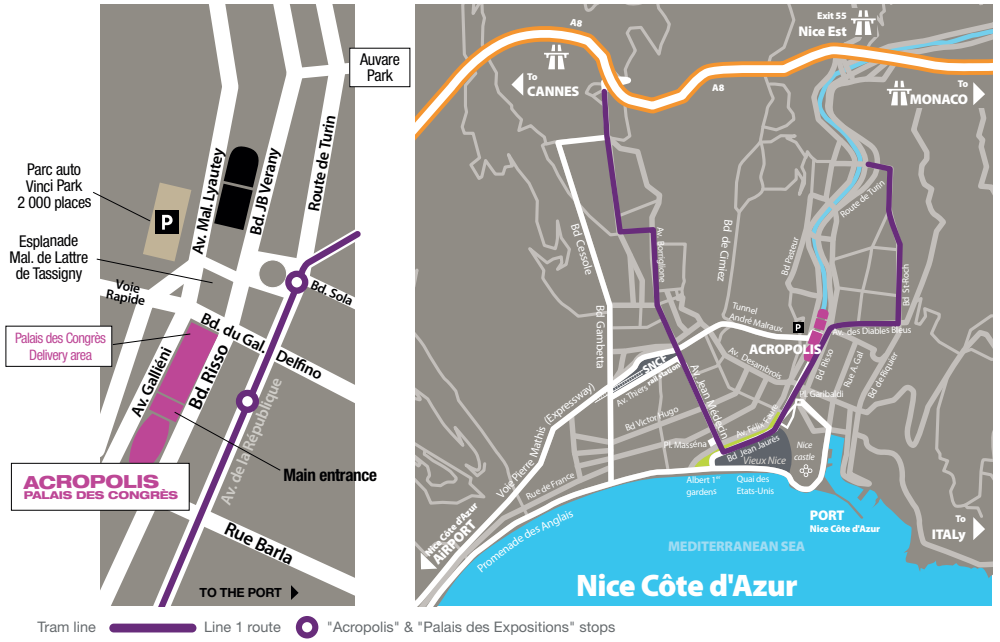
From the airport:
Take Bus n° 98 to the station "cathédrale vieille-ville"; then take the tramway towards "Hôpital Pasteur"; Stop at "Acropolis".

From the train station:
Take the tramway towards "Hôpital Pasteur"; 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) near the Ray Stadium and the A8 motorway, all the way to "Hôpital Pasteur".
Name of the tramway stop for the congress: ACROPOLIS.

PALAIS DES CONGRÈS ACCESS PLAN



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Pursuant to art. 13 of Legislative Decree no. 196/2003, the personal data of the participants, the video footage and the photographs taken at the World Symposium on Pulmonary Hypertension will be processed by I & C S.r.l. exclusively for purposes related to the communication and enhancement of this event.
The provision of personal data is optional, but any refusal to provide such data will not allow you to participate in video and photo shoots.
The processing will be carried out thanks to adequate tools to guarantee security and privacy and can be carried out also through automatic tools that will memorize, manage and transmit the data.

Images will be sent, communicated, shown only to third parts appointed to carrying out the necessary activities for the purposes mentioned above and will eventually be publicized through publications on the event website for the strict necessary time to carry out the purposes of the processing.
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AMBULANCE: 112
POLICE: 17

6th

WORLD SYMPOSIUM ON PULMONARY HYPERTENSION

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