

Hypertension in Pregnancy

Proceeding of
The 3rd Biennial Congress of
ISSHP Indonesia

(International Society for The Study of Hypertension in Pregnancy)

Editors

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Proceeding of The 3rd Biennial Congress of ISSHP (International Society for The Study of Hypertension in Pregnancy) : Hypertension in Pregnancy

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Hak cipta dilindungi oleh undang-undang.

Dilarang memperbanyak, mencetak dan menerbitkan sebagian atau seluruh isi buku ini dengan cara dan bentuk apapun tanpa izin tertulis dari penerbit.

WELCOME FROM PRESIDENT OF ISSHP INDONESIA



Indonesia is one country, which has Maternal Mortality Rate (MMR) and Infant Mortality Rate higher than the other countries in Southeast Asia. The cause of maternal mortality is preeclampsia-eclampsia (28.76%), bleeding (22.42%), infection (3.54%), etc.

In the last few years, the main cause of maternal death is bleeding. However, nowadays preeclampsia has shifted bleeding as the main cause of maternal mortality. Therefore, early diagnosis of preeclampsia is an important issue, and has to be implemented to reduce Maternal Mortality Rate (MMR).

We the International Society for the Study of Hypertension in Pregnancy (ISSHP), has a mission to reduce maternal mortality rate to below than 100/100,000 in 3 to 4 years. As an association of physicians, researchers, experts, who study hypertension in pregnancy, we keep continue to develop research and sharing studies with preeclampsia world experts such as Professor Christopher Redman, MS., MB., Bchair., FRCP (UK), Professor James Robert (USA), Professor Gustaaf Albert Dekker, MD., Ph.D., FRANZCOG., DCOG (Australia) and Professor Annetine Staff (The Head of Research Center of Obstetrics and Gynecology at Oslo University Hospital, Norway).

One form of knowledge development and sharing of expertise are set forth in this 3rd Biennial Congress of ISSHP Indonesia, organized by the Department of Obstetrics and Gynecology, Faculty of Medicine Padjadjaran University / Hasan Sadikin Hospital Bandung.

With all due respect, we welcome of all colleagues to participate in this event and together we accomplish our mission.

We look forward to see you in Bandung!

Sincerely

Prof. Dr. dr. Erry Gumilar Dachlan, Sp. OG(K)
President of ISSHP Indonesia

WELCOME FROM CHAIRMAN OF 3RD ISSHP INDONESIA



Dear friends and colleagues,

It is our great honor to have you all participants of the 3rd Biennial Congress of ISSHP (International Society for study of Hypertension in Pregnancy) Indonesia to be held on October 7th to 10th, 2017 at the Hilton Hotel, Bandung Indonesia.

The organizing committee have done their best to prepare everything in order to fulfill your commitment to come by step forwarding the cutting edge scientific information about hypertension in pregnancy delivered first handed by the well-known international and national speakers. From workshop on Emergency Obstetrics and Obstetric intensive Care in the first day followed by workshop on Fetal Echo Cardiography in the second day and then the symposia in the next two days, you will get various topics covering areas of hypertension in pregnancy and its corresponding factors and problems like nutrition, genetic, epigenetic, environment, biomarker,. Herbal and modern medicine, ultrasound, Doppler, emergency obstetrics, long term consequences, as well as epidemiology.

We are persuading you all as well to spare your time here to witness the beautiful of our city Bandung, along with her hospitality, traditional culture, friendly climate and culinary hubs.

We welcome you all participants, friends and colleagues to enjoy your stay in Bandung and have a nice and fruitful congress with us.

Prof. Dr. Johanes C. Mose, MD, SpOG(K)
Chairman of the 3rd Biennial Congress of
ISSHP Indonesia

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Exhibition	Ali Budi Harsono, dr., Sp.OG(K) Mulya Nusa A. Ritonga, dr., Sp.OG(K), M.Kes. Andi Rinaldi, dr., Sp.OG

Pre-Congress

Scientific Meeting Emergency & Intensive Care in Obstetrics	Setyorini Irianti, dr., Sp.OG(K) Dr. Jeffry Iman Gurnadi, dr., Sp.OG(K), M.Kes. Dodi Suardi, dr., Sp.OG(K) Deni Wirhana, dr., Sp.OG, M.Kes. Jonas Nara Baringbing, dr., Sp.OG
Workshop Fetal Echocardiography	Dr. Adhi Pribadi, dr., Sp.OG(K) Dr. Aloysius Suryawan, dr., Sp.OG(K) Dr. Akhmad Yogi Pramatirta, dr., Sp.OG(K), M.Kes. Dani Setiawan, dr., Sp.OG, M.Kes. Umar Seno, dr., Sp.OG, M.Kes. Indra Magna Tiara, dr., Sp.OG, M.Kes., MMRS

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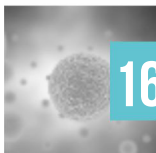
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symposium papers



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free papers



Prof. Christopher W.G. Redman, MB, BChir, FRCP, FRCOG

Department of Obstetrics and Gynecology, Oxford University, and Co-Director of the High-risk “Silver Star” Pregnancy Unit at Oxford’s John Radcliffe Hospital, UK.



Prof. Gustaaf Albert Dekker, MD, PhD, FDCOG, FRANZCOG

Clinical Director of The Woman and Children’s Division of The Northern Adelaide Health Service, Professor in Obstetrics and Gynecology The University of Adelaide, Australia.



Prof. James Robert, MD

Chief of Obstetrics and Gynecology and Epidemiology, Clinical and Translational Research at The University of Pittsburgh, USA.



Prof. Anne Cathrine Staff, MD, PhD

Head of Research Center of Obstetrics and Gynecology at Oslo University Hospital, Norway.



Prof. Dr. Erry Gumilar Dachlan, MD, Sp.OG(K)

President of International Society for The Study of Hypertension in Pregnancy, Indonesia.



Prof. Dr. Johaness C. Mose, MD, Sp.OG(K)

Chairman of The 3rd Biennial Congress of ISSHP Indonesia.

PROGRAMME MAP

TIME	Saturday Oct 7 th , 2017	Sunday Oct 8 th , 2017	Monday Oct 9 th , 2017	Tuesday Oct 10 th , 2017	
07.00–07.30 am			REGISTRATION	RE-REGISTRATION	
07.30–08.00 am	REGISTRATION	REGISTRATION			
08.00–08.30 am			Opening Ceremony: Traditional Art & Songs	Keynote Speech V	
08.30–09.00 am	Scientific Meeting Emergency & Intensive Care in Obstetrics	Workshop Basic Fetal Echocardiography	Keynote Speech I	Keynote Speech VI	
09.00–09.30 am			Keynote Speech II	Keynote Speech VII	
09.30–10.00 am			Coffee Break	Coffee Break	
10.00–10.30 am			Symposium I	Symposium V	
10.30–11.00 am					
11.00–11.30 am			Symposium II	International Publication	
11.30 am–12.00 pm	Lunch Break	Lunch Break			
12.00–12.30 pm	Scientific Meeting Emergency & Intensive Care in Obstetrics	Workshop Basic Fetal Echocardiography	Prayer/Lunch Break	Prayer/Lunch Break	
12.30–01.00 pm					
01.00–01.30 pm			Keynote Speech III	Keynote Speech IX	
01.30–02.00 pm			Keynote Speech IV	Keynote Speech X	
02.00–10.30 pm					
02.30–03.00 pm			Symposium III	Three Best Paper Presentations	
03.00–03.30 pm					
03.30–04.00 pm			Symposium IV	Symposium VI	
04.00–04.30 pm					
04.30–05.00 pm					Coffee Break
05.00–05.10 pm	Pre-Congress Closing				

Notification:

All Abstracts & Presentations in this event are in English (Spoken & Writing)

Monday, October 9th, 2017

- 07.30–08.00 am REGISTRATION**
- 08.00–08.30 am OPENING CEREMONY**
- 08.30–09.00 am KEYNOTE SPEECH I**
 Moderator : *Erry Gumilar Dachlan*
 Making sense of pre-eclampsia – Two placental causes of preeclampsia?
Christopher W. G. Redman
- 09.00–09.30 am KEYNOTE SPEECH II**
 Moderator : *Erry Gumilar Dachlan*
 Collaboration: the Global Pregnancy Collaboration
James Robert
- 09.30–09.45 am COFFEE BREAK**
- SYMPOSIUM I : Pathophysiology**
 Moderator : *Makmur Sitepu*
- 09.45–10.05 am** The difference of methylation pattern, expresion of vascular endothelial growth factor, vascular endothelial factor receptor-2 genes and low birth weight history among normal pregnancy, early and late onset preeclampsia
- 10.05–10.25 am Aryani Aziz**
 Role of LC3/Beclin-1 Ratio as Trophoblast Biological
- 10.25–10.45 am Buffer in Preeclampsia**
Martina Hutabarat
 Circulation and Cardiac Morphometry Changes in Preeclampsia
Peby Maulina Lestari
- 10.45–11.00 am DISCUSSION**
- SYMPOSIUM II Early Detection**
 Moderator : *Maisuri T. Chalid*
- 11.00–11.20 am The Role of Ultrasound in Preclampsia**
Herman Kristanto
- 11.20–11.40 am High Expression F2-Isoprostan (F2-Isop), High Sterol Regulatory Element Binding Protein-2 (Srebp-2) and Low 2-Methoxyestradiol (2-M2) on Placenta Tissue as a Risk Factor of Pre-Eclampsia**
AAN Jaya Kusuma
- 11.40 am–12.00 pm Biomarker in Preeclampsia**
John J.E. Wantania

- 12.00–12.15 pm DISCUSSION**
- 12.15–01.15 pm PRAYER/LUNCH BREAK**
- 01.15–01.45 pm KEYNOTE SPEECH III**
 Moderator : *Diah Rumekti*
 Risk Factors and Prevention of Preeclampsia
Gustaaf Albert Dekker
- 01.45-02.15 pm KEYNOTE SPEECH IV**
 Moderator : *Diah Rumekti*
 Early and Late Onset of Preeclampsia: How do the maternal circulating biomarkers differ and why?
Anne Cathrine Staff
- SYMPOSIUM III : Antioxidants and Nutrition**
 Moderator : *Agus Sulistiono*
- 02.15–02.35 pm** Effect of Lycopene on Level of Soluble FMS-like Tyrosine Kinase I (sFlt-I) in Preeclampsia-Induced Placental Trophoblast Cells
Vaulinne Basyir
- 02.35–02.55 pm** Effect of Curcumin in Decreasing sFlt-I Level in Preeclampsia-induced Human Umbilical Vein Endothelial Cell (HUVEC)
Cut Meurah Yeni
- 02.55–03.15 pm** Placental Glucose Transporter (GLUT) – Opportunities to Improve Prognosis Preeclampsia Fetal Outcome In the Future
Adhi Pribadi
- 03.15–03.30 pm DISCUSSION**
- SYMPOSIUM IV : Epidemiology, Risk Factors and Outcomes**
 Moderator : *Bambang Raharjo*
- 03.30–03.50 pm** Overview of Preeclampsia in West Java Province
Jusuf Sulaeman Effendi
- 03.50–04.10 pm** Overview of Preeclampsia in 6 Centers in Indonesia
M. Adrianes Bachnas
- 04.10–04.30 pm** Zero Maternal Mortality Preeclampsia (ZOOM) – a Strategic for Reducing Maternal Mortality Preeclampsia in West Java
Dini Hidayat
- 04.30–04.45 pm DISCUSSION**
- 04.45–05.00 pm COFFEE BREAK**

Tuesday, October 10th, 2017

- 07.30–08.00 am RE-REGISTRATION**
- 08.00–08.30 am KEYNOTE SPEECH V**
Moderator : *Christopher Tobing*
Preeclampsia, biomarkers, syncytiotrophoblast stress,
and placental capacity
Christopher W. G. Redman
- 08.30–08.50 am KEYNOTE SPEECH VI**
Moderator : *Christopher Tobing*
Problem of Preeclampsia in Indonesia
Erry Gumilar Dachlan
- 08.50–09.10 am KEYNOTE SPEECH VII**
Moderator : *Christopher Tobing*
Diagnostic Tools in Preeclampsia
Noroyono Wibowo
- 09.10–09.30 am KEYNOTE SPEECH VIII**
Moderator : *Christopher Tobing*
Stem Cells in Preeclampsia
Johanes C. Mose
- 09.30–09.45 am COFFEE BREAK**
- SYMPOSIUM V : National Policy and Health Insurance**
Moderator : *Wiryawan Permadi*
- 09.45–10.05 am National Health Care Policy**
Bambang Wibowo
- 10.05–10.25 am Indonesian Health Insurance System : Its Impact on Preeclampsia**
Bayu Wahyudi
- 10.25–10.45 am Clinical Pathway of Preeclampsia**
Udin Sabarudin
- 10.45–11.00 pm DISCUSSION**
- INTERNATIONAL PUBLICATION**
Moderator : *Herman Susanto*
- 11.00–11.30 am How to Publish in International Journals**
Joe Ng
- 11.30am–12.00 pm How to Publish in ISSHP Journal : Tips and Tricks**
Anne Cathrine Staff
- 12.00–12.15 pm DISCUSSION**
- 12.15–01.15 pm PRAYER/LUNCH BREAK**

- 01.15–01.45 pm KEYNOTE SPEECH IX**
Moderator : *Firman F Wirakusumah*
Management of Preeclampsia: an update
Gustaaf Albert Dekker
- 01.45–02.15 pm KEYNOTE SPEECH X**
Moderator : *Firman F Wirakusumah*
Pregnancy and Long-Term Maternal Cardiovascular
Health Progress Through Harmonization of Research
Cohorts and Biobanks
Anne Cathrine Staff
- 02.15–02.30 pm DISCUSSION**
- 02.30–03.30 pm THREE BEST PAPER PRESENTATION**
Moderator : *Sofie R. Krisnadi*
SYMPOSIUM VI : Severe Complication
Moderator : *Yusrawati*
- 03.30–03.50 pm** Fluid Therapy in Eclampsia and Preeclampsia
Ike Sri Redjeki
Pulmonary Edema in Preeclampsia
- 03.50–04.10 pm** *M. Alamsyah Aziz*
Heart Failure in Preeclampsia
- 04.10–04.30 pm** *Triwedya Indra Dewi*
- 04.30–04.45 pm DISCUSSION**
- 04.45–05.00 pm CLOSING CEREMONY**