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Journal of Nursing & Care



Proceedings of
2nd World Congress on
**FETAL AND
MATERNAL
MEDICINE**
July 24-25, 2019 Kyoto, Japan

CONFERENCE SERIES LLC LTD

47 Churchfield Road, London, W3 6AY, UK

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contactus@conferenceseries.com

SCIENTIFIC PROGRAM

Fetal and Maternal Medicine 2019

Day 1 July 24, 2019

09:00-09:45 Registrations

Conference Hall

conferenceseries.com 09:45-10:15

Opening Ceremony

Keynote Forum

10:15-10:30 Introduction

Title: Incorporating the innovation of music during the biophysical profile

10:30-11:30

Elizabeth J Otovic, USA

Group Photo

Networking and Refreshments Break: 11:30-11:45

Session: Fetal Evaluation and Prenatal Testing | Maternal-Fetal Medicine | Fetal and Maternal Physiology

Session Introduction

Session Chair: Elizabeth J Otovic, USA

Title: Phaleria macrocarpa's extract reduce autophagy through TNF- α and MDA in preeclampsia-induced HUVEC culture

11:45-12:15

Leo Jumadi Simanjuntak, Universitas HKBP Nommensen, Indonesia

Title: Single loading dose versus standard 24-hour magnesium sulfate in women with severe preeclampsia and eclampsia: A systematic review and meta-analysis

12:15-12:45

Dirdrah Aina Crisostomo Salvador, De La Salle University Medical Center, Philippines

Title: Examination of possible effects of maternal age, maternal weight, pregnancy-associated plasma protein-A, free beta-human chorionic gonadotropin and fetal gender on cell-free fetal DNA percentage in non-invasive prenatal testing screening of Iranian pregnant women

12:45-13:15

Milad Dolatkah, Shahid Beheshti University of Medical Sciences, Iran

Lunch Break: 13:15-14:15

Special Session

Title: Toxoplasmosis: The congenital infections impact in Brazil

14:15-15:15

Fernando Javier Salgado Morales, Uniclínica Medical Center, Fetus Medical Laboratory, Brazil

Session: Pregnancy and Childbirth | Midwifery & Nursing | Medical Complications of Pregnancy

Session Introduction

Session Chair: Elizabeth J Otovic, USA

Title: Lidocaine wound infiltration with or without Ketorolac for episiotomy pain management: A randomized double-blinded controlled trial

15:15-15:45

Athita Chanthasenont, Thammasat University, Thailand

Title: Therapeutics utilized in acute viral bronchiolite treatment in a school hospital in Brazil

15:45-16:15

Guilherme da Costa Brasil, Brazil

Networking and Refreshments Break: 16:15-16:30

16:30-17:00 **Title: Below the limit: A case of dengue in pregnancy**

Christine Veronica F Escarpe, Dr. Pablo O Torre Memorial Hospital, Philippines

Panel Discussions and Networking

Awards & Closing Ceremony

Day 2 July 25, 2019

B2B Meetings & Networking Lunch



Supporting Journals

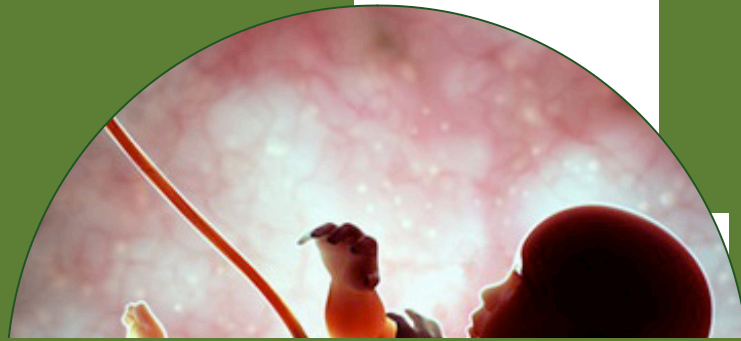
Journal of Nursing & Care

Clinics in Mother and Child Health

Pediatrics & Therapeutics

Fetal and Maternal Medicine 2019

Fetal and Maternal Medicine 2019



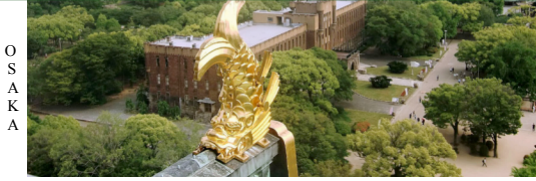
2nd World Congress on

Fetal and Maternal Medicine

July 24-25, 2019 Kyoto, Japan

Upcoming Conferences

July Conferences



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Addiction Conference 2019

July 26-27, 2019 | Kyoto, Japan
addiction@neurosciencesummit.net
<https://addiction.annualcongress.com/>

Cardio 2019

July 26-27, 2019 | Kyoto, Japan
cardiacnursing@conferencesworld.org
<https://cardiac.nursingconference.com/>

Immunobiology 2019

July 29-30, 2019 | Sydney, Australia
immunobiology@worldmeet.net
<https://immunologycongress.conferenceseries.com/>

Medical Education Summit 2019

July 29-30, 2019 | Sydney, Australia
medicaledu@worldhealthsummit.net
<https://medicaleducation.healthconferences.org/>

Allergy Congress 2019

July 29-30, 2019 | Sydney, Australia
allergycongress@immunologyconferences.org
<https://allergycongress.conferenceseries.com/>

Diabetes Asia Pacific 2019

July 29-30, 2019 | Sydney, Australia
diabetesasiapacific@endocrineconferences.org
<http://www.diabetesexpo.com/asiapacific/>

August Conferences



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Biotechnology 2019

August 12-13, 2019 | Auckland, New Zealand
biotechnology@worldmeet.net
<https://biotechnologycongress.conferenceseries.com/>

Physians Meet 2019

August 14-15, 2019 | Auckland, New Zealand
dr.sravanthi@conferenceseries.com
<https://annualmeeting.conferenceseries.com/physicians/>

Personalized Medicine Congress 2019

August 14-15, 2019 | Auckland, New Zealand
personalizedmedicine@conferencesworld.org
<https://personalized-medicine.conferenceseries.com/>

Plant Science Congress 2019

August 14-15, 2019 | Auckland, New Zealand
Josephraven@conferenceseries.com
world.plantscienceconferences.com

Herbals Summit 2019

August 14-15, 2019 | Auckland, New Zealand
herbalsummit@healthconferences.org
<https://herbal.global-summit.com/>

Analytical Chemistry 2019

August 26-27, 2019 | Bangkok, Thailand
analyticalchemistry@worldmeet.net
<https://analyticalchemistry.chemistryconferences.org/>

Nano Advances 2019

August 26-27, 2019 | Bangkok in Thailand
asiannanocongress@enggconferences.com
<https://world.nanotechconferences.org/>

September Conferences



Asia Nursing 2019

October 21-22, 2019 | Sydney, Australia
nurse@nursingsummit.net
<https://nursing.conferenceseries.com/asia-pacific/>

Cardiac Nursing 2019

September 09-10, 2019 | Hanoi, Vietnam
dr.sravanthi@conferenceseries.com
<https://cardiology.nursingconference.com/>

Otorhinolaryngology Meet 2019

September 16-17, 2019 | Kyoto, Japan
Josephraven@conferenceseries.com
<http://otorhinolaryngology.surgeryconferences.com/>

Nursing 2019 Osaka

September 17-18, 2019 | Osaka, Japan
annual@nursingsummit.net
<http://nursing.annualcongress.com/>

Nursing Summit 2019

September 17-18, 2019 | Osaka, Japan
nursinghealth@nursingsummit.net <https://nursing-healthcare.nursingconference.com/>

World Ophthalmology 2019

September 19-20, 2019 | Osaka, Japan

dr.sravanthi@conferenceseries.com

<https://worldophthalmology.conferenceseries.com/>

Ophthalmic Surgery 2019

September 19-20, 2019 | Osaka, Japan

dr.sravanthi@conferenceseries.com

<https://surgery.ophthalmologyconferences.com/>

Nutrition Meeting 2019

September 19-20, 2019 | Osaka, Japan

conferencemanager@worldmeet.net

world.nutritionalconference.com

Neonatal Care 2019

September 19-20, 2019 | Osaka, Japan

conferencemanager@worldmeet.net

neonatologycongress.conferenceseries.com

Vascular Dementia-2019

September 23-24, 2019 | Hong Kong

Josephraven@conferenceseries.com

<https://vasculardementia.neuroconferences.com/>

Carbon Materials 2019

September 23-24, 2019 | Hongkong

Josephraven@conferenceseries.com

<https://carbonmaterials.materialsconferences.com/>

Plasma Physics Asiapacific 2019

September 25-26, 2019 | Hongkong

plasmaphysics18@gmail.com

<https://plasmaphysics.enggconferences.com>

Nurse Practitioner 2019

September 25-26, 2019 | Hongkong

nursepractitionercongress@gmail.com <https://nurse-nursepractitioners.nursingconference.com/>

Pediatric Care 2019

September 27-28, 2019 | Hong Kong

conferencemanager@worldmeet.net

world.pediatricconferences.com

Aquaculture Congress 2019

September 27-28, 2019 | Hong Kong

Josephraven@conferenceseries.com

aquaculturecongress.conferenceseries.com

Aquaculture Summit 2019

September 27-28, 2019 | Hong Kong

Josephraven@conferenceseries.com

aquaculture.global-summit.com

Gastroenterology Congress 2019

September 27-28, 2019 | Hong Kong

Josephraven@conferenceseries.com

gastroenterologycongress.conferenceseries.com



Nephrology summit 2019

October 09-10, 2019 | Osaka, Japan

dr.sravanthi@conferenceseries.com

<https://world.nephroconferences.com/>

Blood disorders 2019

October 17-18, 2019 | Osaka, Japan

dr.sravanthi@conferenceseries.com

<https://hematology.conferenceseries.com/asiapacific/>

Cancer Summit 2019

October 17-18, 2019 | Osaka, Japan

dr.sravanthi@conferenceseries.com

<https://worldcancer.cancersummit.org/>

Pollution and Health 2019

October 21-22, 2019 | Sydney,

Australia pollution@worldmeet.net

<https://pollution.conferenceseries.com/>

Waste Recycling Congress 2019

October 21-22, 2019 | Sydney,

Australia waste@worldmeet.net

<https://wastemanagement.conferenceseries.com/>

Gynaecology Asia-Pacific 2019

October 24-24, 2019 | Auckland, Newzealand

dr.sravanthi@conferenceseries.com

<https://gynecology.healthconferences.org/>

Womens Health Asia Pacific 2019

October 24-24, 2019 | Auckland, Newzealand

dr.sravanthi@conferenceseries.com

<https://womenshealth.cancersummit.org/>

November Conferences

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Public Health Summit 2019

November 25-26, 2019 | Auckland, Newzealand

conferencemanager@worldmeet.net

publichealthcongress.conferenceseries.com

Applied Microbes 2019

November 18-19, 2019 | Bangkok, Thailand

conferencemanager@worldmeet.net

appliedmicrobiology.conferenceseries.com

Bacteriology Congress 2019

November 18-19, 2019 | Bangkok, Thailand

conferencemanager@worldmeet.net

bacteriologycongress.conferenceseries.com

Nutraceuticals Conference 2020

January 24-25, 2020 | Sydney, Australia

nutraceuticals@worldmeet.net

<https://nutraceutical.nutritionalconference.com/>



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Keynote Forum

Day 1



Elizabeth J Otovic

Boston, Massachusetts USA

Incorporating the innovation of music during the biophysical profile

As a sonographer working in the field of Perinatal sonography, I would like to share my observations over the past ten years using music as a stimulus to evaluate fetal activity. In the beginning of my career it was the standard to use a buzzer device to initiate fetal movement. After reading an article that suggested the decibel level of this device was potentially harmful to the fetus, I decided that music was the answer and began to sing to the fetus to evaluate fetal activity.

Biography

Elizabeth J Otovic currently residing in the USA employed as a Perinatal sonographer in Maternal Fetal Medicine also certified in Fetal echocardiography with HVMA in Boston, Massachusetts.

Elizotovic@gmail.com



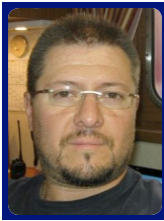
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Special Session

Day 1



Fernando Javier Salgado Morales

Uniclínica Medical Center, Fetus Medical Laboratory, Brazil

Toxoplasmosis: The congenital infections impact in Brazil

Congenital toxoplasmosis can cause miscarriage and neurological and/or eye damage to the fetus. Since Austria and France established prenatal screening, the prevalence of toxoplasmosis has declined from 50% to 35% and 84% to 44%, respectively. Other countries such as the United Kingdom, have educational practices to reduce the risk of infection in seronegative pregnant women. Prenatal screening in Brazil is carried out in the states of Mato Grosso do Sul, Minas Gerais, Sao Paulo and Goias; and the cities of Curitiba (state of Paraná) and Porto Alegre (state of Rio Grande do Sul). This program is based on serological screening, advising on prevention measures and serological monitoring in pregnant women that are initially seronegative, in addition to the monitoring of pregnant women and children with acute infection and case notification. In the first four years of implementation, the program evaluation showed a 63% reduction in the number of pregnant women and 42% in the number of children referred to reference services. As for medications, there was a 62% reduction in consumption of folic acid and 67% of sulfadiazine. The definitions of protocols resulted in the standardization of care and safety for the decision-making by physicians. As there are several protocols individualized in various departments and regions, the establishment of an idea, consensual conduct with technical support, will result in implementing measures that will save public resources, with the decrease of congenital toxoplasmosis.

Biography

Fernando Javier Salgado Morales completed his Doctor in Medicine at Central University of Ecuador and Medical Residence in Obstetrics and Gynecology in SUS's, Ipiranga Hospital, Sao Paulo. He is currently working as a Gynecologist-obstetrics, ultrasound performer and fetal medicine specialist.

drfernandosalgado@gmail.com



2nd World Congress on

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Scientific Tracks & Abstracts

Day 1

Session:

Day 1 July
24, 2019

Fetal Evaluation and Prenatal Testing | Maternal-Fetal Medicine | Fetal and Maternal Physiology | Pregnancy and Childbirth | Midwifery & Nursing | Medical Complications of Pregnancy

Session Chair
Elizabeth J Ofovic
USA

Session Introduction

- Title:** Phaleria macrocarpa's extract reduce autophagy through TNF- α and MDA in preeclampsia-induced HUVEC culture
Leo Jumadi Simanjuntak, Universitas HKBP Nommensen, Indonesia
- Title:** Single loading dose versus standard 24-hour magnesium sulfate in women with severe preeclampsia and eclampsia: A systematic review and meta-analysis
Dirdrah Aina Crisostomo Salvador, De La Salle University Medical Center, Philippines
- Title:** Examination of possible effects of maternal age, maternal weight, pregnancy-associated plasma protein-A, free beta-human chorionic gonadotropin and fetal gender on cell-free fetal DNA percentage in non-invasive prenatal testing screening of Iranian pregnant women
Milad Dolatkah, Shahid Beheshti University of Medical Sciences, Iran
- Title:** Lidocaine wound infiltration with or without Ketorolac for episiotomy pain management: A randomized double-blinded controlled trial
Athita Chanthasenanont, Thammasat University, Thailand
- Title:** Therapeutics utilized in acute viral bronchiolite treatment in a school hospital in Brazil
Guilherme da Costa Brasil, Brazil
- Title:** Below the limit: A case of dengue in pregnancy
Christine Veronica F Escarpe, Dr. Pablo O Torre Memorial Hospital, Philippines

Fetal and Maternal Medicine 2019

Phaleria macrocarpa's extract reduce autophagy through TNF- α and MDA in preeclampsia-induced HUVEC culture

Leo Simanjuntak¹, M Fidel Ganis Siregar², Johannes C Mose³ and Sarma N Lumbanraja²

¹Universitas HKBP Nommensen, Indonesia

²Universitas Sumatera Utara, Indonesia

³Universitas Padjadjaran, Indonesia

The preeclampsia etiopathogenesis remains unclear but endothelial dysfunction and oxidative stress play important role. TNF- α is considered as specific markers for preeclampsia. Malondialdehyde (MDA) is the final product of lipid peroxidation, used as the oxidative stress marker. Autophagy plays an important role in preeclampsia as observed in the failure of trophoblast invasion and spiral artery remodeling. It is proven that TNF- α increased LC3-II expression in trophoblast cell line cultures. Another cause of autophagy is oxidative stress. LC3-II is used as a typical marker in autophagy. HUVEC culture is an *in vitro* model widely used to study the pathogenesis of preeclampsia. *Phaleria macrocarpa* (Scheff.) Boerl also known as Mahkota Dewa in Indonesia is widely used as an anti-inflammation and antioxidant. This study aimed to determine the effects of *Phaleria macrocarpa*'s extract on inflammation, oxidative stress and autophagy in endothelial cells by measuring the TNF- α , MDA and LC3-II level in preeclampsia-induced HUVEC. *Phaleria macrocarpa*'s extract reduce TNF- α level significantly at concentration of 7.813 $\mu\text{g/mL}$ and at 62.5 $\mu\text{g/mL}$ reduce TNF- α level to normal level. *Phaleria macrocarpa*'s extract reduce MDA level significantly at concentration of 3.906 $\mu\text{g/mL}$ and at 15.625 $\mu\text{g/mL}$ reduce MDA level to normal level. There was no significant decrease in mean LC3-II levels between control and PE model and *Phaleria macrocarpa*'s extract at concentration more than 250 $\mu\text{g/mL}$ needed to reduce LC3-II level in preeclampsia model to normal pregnancy level. Each TNF- α and MDA has strong positive correlation ($r=0.958$ and $r=0.847$) with LC3-II levels. The correlation between values indicates that when reduced TNF- α and MDA level, a proportional decrease in LC3-II levels also occurs, where a decrease in TNF- α level of 1 pg/mL will reduce LC3-II levels by 0.413 pg/mL and a decrease in MDA level of 1 pmol/mL will reduce LC3-II levels by 0.222 pg/mL . In conclusion, TNF- α has a stronger positive correlation to LC3-II level than MDA.

However, *Phaleria macrocarpa*'s extract might be used to overcome endothelial dysfunction, oxidative stress and autophagy in preeclampsia.

Biography

Leo Simanjuntak is an Obstetrician and Gynecologist and a Senior Lecturer at Department of Obstetrics and Gynecology, Faculty of Medicine, Universitas HKBP Nommensen, Medan, Indonesia. He/She has completed master's degree in Obstetrics and Gynecology and PhD program at Faculty of Medicine, Universitas Sumatera Utara, Medan, Indonesia.

leosimanjuntak66@gmail.com