

# proceeding icgo praha ceko 2017

*by* Muhammad Anas

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**Submission date:** 19-Jan-2019 07:54PM (UTC+0700)

**Submission ID:** 1065994310

**File name:** proceeding\_icgo\_praha\_ceko\_2017.pdf (1.21M)

**Word count:** 446

**Character count:** 2613



BIT's 5<sup>th</sup> International Congress of  
**GYNAECOLOGY AND OBSTETRICS-2017**  
Theme: Empowering Women's Health

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May 25-27, 2017  
Prague, Czech Republic



Conference  
Abstract Book



## Table of Content

### Introduction to Program

List of Organizations and Event Organizers	001
Welcome Remark	005
Table of Content	006
Event Schedule	
Program	

### Opening Ceremony and Keynote Forum

027

#### Keynote Forum

Speakers' Profiles  
*Dr. Paul P Fogarty, Dr. James V. Fiorica, Dr. Maciej Kurpisz, Dr. Øjvind Lidegaard*

### Stream 1: Maternal-Fetal Medicine

#### Session 101: Prenatal Ultrasound Diagnosis

033

Speakers' Profiles  
*Dr. Agnieszka Nawara-Baran, Ms. Elisabete F Silva, Dr. Henry Murray, Ms. Camilla Struksnaes, Dr. Asli Ucyigit, Dr. Orly Toren*

#### Session 102: Prenatal Genetic Diagnosis and Genetics Updates

040

Speakers' Profiles  
*Dr. Chung-Er Huang, Dr. Ming Chen, Dr. Sarah Adam*

#### Session 103: Gestational Hypertension

044

Speakers' Profiles  
*Dr. Hamutal Meiri, Dr. Emmie Ruth Strassberg, Dr. Marzena Laskowska, Dr. Hiroshi Fujiwara, Dr. I Wayan Agung Indrawan, Dr. Julian Herrera, Dr. Showkat Hussain Tali, Dr. Anne Eskild*

#### Session 104: Obesity in Pregnancy/Gestational Diabetes: Diagnoses, Diets, and Postpartum Dilemmas

053

Speakers' Profiles  
*Dr. Gregory E. Hoy, Dr. Nirmala B. Upadhyaya, Dr. Samuel A. Abariga, Dr. Tereza Šmrhová-Kovács, Dr. Huguette Stephaine Brink, Dr. Mariana Pinto Sirimarco, Dr. Abhijit Basu*

#### Session 105: Infection and Inflammation in Pregnancy

061

Speakers' Profiles  
*Dr. Vildana Finci, Dr. Svetlana Dubrovina, Dr. Liudmila Liubasovskaia, Dr. Farnaz Mohammadzade*

#### Session 106: Maternal-Fetal Surgery: Innovations in Fetal Therapy

066

Speakers' Profiles  
*Dr. Shanthy Sivanandam, Dr. Yilmaz Yildiz, Dr. Zhengping Liu, Dr. Phyu Phyu Win*

■ 001 ■



**Session 407: Infections in Obstetrics and Gynaecology**

*Time: 14:00-16:50, May 27, 2017 (Saturday); Place: Brodge Room, 1<sup>st</sup> Floor*

**Chair** *Dr. Fernand Labrie, CEO & CSO, Endoceutics Inc., Canada*

14:00-14:05 **Chair's Introduction**

14:05-14:30 *Title: S-IgA Uterine Cervix Secretion in Women of Infertile Couples Recognized Microorganism Spectrum of Nonspecific Vaginitis*

*Dr. Muhammad Anas, Lecturer, Muhammadiyah University (UMSurabaya) of Surabaya, Indonesia*

14:30-14:55 *Title: Combined Data of Intravaginal Prasterone against Dyspareunia due to Vulvovaginal Atrophy of Menopause*

*Dr. Fernand Labrie, CEO & CSO, Endoceutics Inc., Canada*

14:55-15:20 *Title: Debatable Problems in the Prevention of Intrauterine Infections Caused by Group B Streptococci: What Strategy Do We Choose?*

*Dr. Tatiana Priputnevich, Professor, Kulakov Research Center of Obstetrics, Gynecology and Perinatology, Russia*

15:20-15:45 *Title: Gynecological Disorders Related to Chronic Fatigue Syndrome*

*Dr. James Kageyama Coelho, Medical Preceptor, Faculty of Medical Sciences of Santa Casa of Sao Paulo, Brazil*

15:45-16:00 **Coffee Break**

16:00-16:25 *Title: Sexual Assault Effects on the Gynecological Health of College Women*

*Dr. Lanika L. Wright, Women's Health Nurse Practitioner, East Carolina University, USA*

16:25-16:50 *Title: Bacterial Vaginosis: A New Treatment Options*

*Dr. Olga Marushkina, Candidate, Volgograd State Medical University, Russia*

**Session 408: Pediatric and Adolescent Gynecology**

*Time: 14:00-15:45, May 27, 2017 (Saturday); Place: Dvorake Room, 2<sup>nd</sup> Floor*

**Chair** *Dr. Oxana A Melkozerova, Associate Professor, Child Care Russian Ministry of Health, Russia*

14:00-14:05 **Chair's Introduction**

14:05-14:30 *Title: Case Presentation & Review of Literature for a Rare Case of Adolescent Premature Ovarian Insufficiency*

*Dr. Pragati Kakkar, Darent Valley Hospital, UK*

14:30-14:55 *Title: The Molecular and Genetic Aspects of Adolescent Girls Anomalous Uterine Bleeding: The Role of Endothelial Dysfunction Syndrome*

*Dr. Oxana A Melkozerova, Associate Professor, Child Care Russian Ministry of Health, Russia*

14:55-15:20 *Title: The Diagnosis of Polycystic Ovary Syndrome in Non Obese Adolescents*

*Dr. Ubavka Radivojevic, Gynaecologist, Mother and Child Health Care Institute, Serbia*



## Title: S-IgA Uterine Cervix Secretion in Women of Infertile Couples Recognized Microorganism Spectrum of Nonspecific Vaginitis

Dr. Muhammad Anas\*, IW Arsana Wiyasa, Teguh Wahyu Sardjono, Aulani'am, and Sumarno Reto Prawiro

Lecturer

Muhammadiyah University (UMSurabaya) of Surabaya  
Indonesia

### Abstract

The prevalence of infertile couples varies between 10-40%. In Indonesia 17%, East Java 26%, Surabaya 25%, Malang 18% and Mojokerto 25%. To explore the possible causes of infertility that occurs in Mojokerto, East Java, Indonesia, I proposed a study to explained it. The study was conducted by collecting biographical data in general and through clinical examination of all infertile couples. Other collected data included profiles of bacteria found in the vagina and an antibiotic sensitivity test of bacteria that can be isolated. To determine the possibility of antibodies against sperm a western blot examination of bacterial proteins in fluid secretions obtained from the vagina was carried out first. And the results show that microorganisms were identified from the female lower reproductive tract of infertile couples dominated by *Staphylococcus aureus* (*S. aureus*) (27%) and *Escherichia coli* (27%), and the sensitivity tests of antibiotics vary greatly. One of the microorganisms particularly *S. aureus* that found in large number was done western blotting using s-IgA cervix uteri as an antibody recognized Omp's (outer membrane protein) with molecular weight, 52 kDa, and 49 kDa. So that one of the bacteria species *S. aureus* that infects the vagina and causes non-specific vaginitis can provoke an adaptive immune response by producing s-IgA. Difference molecular weight (MW) of OMP's *S. aureus* can stimulate immune response among women of infertile couples.

### Biography

Muhammad Anas is Lecturer at Medical Faculty of Muhammadiyah University (UMSurabaya) of Surabaya grew up in Indonesia and received his medical doctor's degree from Airlangga University of Surabaya in 1992 and Obygn Specialist from Airlangga University of Surabaya in 2002. He was also Lecturer at Mojopahit Health Polytechnic of Mojokerto from 2003 till 2011. He joined Health Science Faculty of UMSurabaya in 2012 then he jointed Medical Faculty of UMSurabaya since 2016. After he obtained his Post Graduate degree at Medical Faculty of Brawijaya University of Malang, he is a Full Lecturer at Medical Faculty of UMSurabaya. He published original research article at International Journal of ChemTech Research in 2016, with title: Molecular Modelling for Revealing Cross Reaction Antibody with *Staphylococcus aureus* and Human Spermatozoa Protein. The second original reasearch article has published at Asian Pacific Journal of Reproduction in 2016, with title: Microorganism spectrum of non-specific vaginitis in women of infertile couples recognized by s-IgA uterine cervix secretion.



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<sup>1</sup> Muhammad Anas<sup>\*</sup>, IW Arsana Wiyasa, Teguh Wahyu Sardjono, Aulan'am, and Sumarno Reto Prawiro

Lecturer,

Medical Faculty of Muhammadiyah University (UMSurabaya) of Surabaya  
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