



3rd World Congress **on 3D Ultrasound in** **Obstetrics and Gynecology**

Organizers:

Eberhard Merz (Germany) and **Asim Kurjak** (Croatia)

PRELIMINARY PROGRAM



21-23 March 2019

Hotel Valamar Lacroma - Dubrovnik, Croatia

www.dubrovnik3Dcongress2019.org

21 March 2019 PRE-CONGRESS COURSES

From 09:00 to 17:00

Hall 1 9:00-13:30 Session 1

3D ULTRASOUND AND INFERTILITY

Moderators: Sonal Panchal (India), Fernando Bonilla-Musoles (Spain)

09:00-09:10	Introduction of the speakers and the subject
09:10-09:30	3D ultrasound- a modality of choice for mullerian duct abnormalities
09:30-09:50	3D ultrasound for diagnosis of Uterine pathologies
09:50-10:00	Discussion
10:00-10:20	3D and 3D PD for HyCoSy
10:20-10:30	Practical aspects of 3D TVS and FlyThru Imaging Bill Smith (UK)
10:30-10:35	Discussion
10:35-10:55	Role of 3D ultrasound in the diagnosis and management of polycystic ovarian syndrome
10:55-11:15	Assessment of ovarian reserve and response
11:15-11:25	Discussion
11:25-11:45	Evaluation of follicle maturity- adding 3D, how does it make a difference
11:45-12:05	Endometrial receptivity studies with 3D and 3DPD
12:05-12:15	Discussion
12:15-12:25	Does 4D have an added value in ultrasound guided procedures- ovum pick up and embryo transfer
12:25-12:35	Discussion
12:35-13:30	Live/ hands on the 4D view Acquiring the volume Analysis of the acquired volume Rendering of gynecological images- different modes and how is it different from the obstetric rendering Special tools: Omniview Magicut Cine calculations and cine translations Volume calculations: VOCAL, Shell volume, Threshold volume, volume histogram Sono AVC

Hall 2 9:00-13:00 Session 2

STRUCTURAL AND FUNCTIONAL DEVELOPMENT OF FETAL BRAIN

Moderators: Ritsuko K. Pooh (Japan), Eberhard Merz (Germany), Asim Kurjak (Croatia)

9:00-09:10	Introduction of the speakers and the subject	Ritsuko K. Pooh (Japan), Eberhard Merz (Germany), Asim Kurjak (Croatia)
09:10-09:30	Introduction of neurosonography	Eberhard Merz (Germany)
09:30-09:45	How to demonstrate the corpus callosum with 3D ultrasound	Sonila Pashaj (Germany)

09:45-10:05	3D ultrasonography: assessment of ventriculomegaly	Ritsuko K. Pooh (Japan)
10:05-10:15	Discussion	All participants
10:15-10:25	Break	
10:25-10:45	Superiority of 3D neurosonography to MRI of the fetal brain	Ritsuko K. Pooh (Japan)
10:45-11:05	3D ultrasonography: assessment of midline defects of the fetal brain	Sonila Pashaj (Germany)
11:05-11:25	Cortical Maldevelopment of Brain by 3D/4D ultrasound	Ritsuko K. Pooh (Japan)
11:25-11:40	3D ultrasonography: brain abnormalities in fetal syndromes	Eberhard Merz (Germany)
11:40-12:00	Brain Function by 4D ultrasound	Asim Kurjak (Croatia)
12:00-12:20	Discussion: neurosonography and future perspectives	All participants

Hall 2 13:30-17:30 Session 3

3D IN NORMAL AND ABNORMAL FIRST AND SECOND TRIMESTER OF PREGNANCY

Moderator: Bernard Benoit (France), Simcha Yagel (Israel)

Participants: Bernard Benoit (France), Simcha Yagel (Israel), Ritsuko Pooh (Japan), Sonila Pashaj (Germany)

13:30-14:00	Normal and abnormal development of embryo before 10 weeks assessed by 2D/3D/4D ultrasound	Bernard Benoit (Monaco)
14:00-15:00	Normal and abnormal fetus between 11 and 14 weeks assessed by 3D/4D ultrasound	Ritsuko Pooh (Japan)
15:00-15:30	First trimester 3D ultrasound in multiple pregnancy	Sonila Pashaj (Germany)
15:30-15:40	Break	
15:40-16:10	3D/4D in fetal heart scanning	Simcha Yagel (Israel)
16:10-16:40	Fetal venous system	Simcha Yagel (Israel)
16:40-17:00	Discussion	

Hall 3 13:30-17:30 Session 4

MULTICENTRIC RESULTS ON THE CLINICAL USE OF KANET TEST

Moderators: Panos Antsaklis (Greece), Asim Kurjak (Croatia), Lara Spalldi Barisic (Croatia)

Participants: Asim Kurjak (Croatia), Panos Antsaklis (Greece), Lara Spalldi Barisic (Croatia), Radu Vladareanu (Romania), Simona Vladareanu (Romania), Sonal Panchal (India), Suada Tinjic (Bosnia and Herzegovina), Sertac Esin (Turkey), Milan Stanojevic (Croatia), Oliver Vasilj (Croatia), Ulrich Honemeyer (UAE), Dorota Bomba (Poland)

18:00h – Opening Ceremony
Welcome Speeches
prof. Asim Kurjak , director of Ian Donald School (Croatia)
prof. Eberhard Merz , vice-director of Ian Donald School (Germany)
Lecture of Ivo Banac, Bradford Durfee Emeritus Professor, Yale University: ‘Dubrovnik City-State: History, Culture, Medicine’
Ivo Banac is Bradford Durfee Emeritus Professor of History at Yale University. He was the University Professor of History at the Central European University at Budapest, where he also directed the OSI/CEU Institute on Southeastern Europe. He served as the co-chair of the Open Society Institute (Croatia) and as the Director General of the Inter-University Centre, Dubrovnik. He was also minister of environmental protection and urban planning in the government of Croatia, a member of the Croatian parliament (Sabor), president of the Croatian Helsinki Committee for Human Rights, and editor of East European Politics and Societies. He is a corresponding member of the Croatian Academy of Sciences and Arts (HAZU).
19:00h – Linđo ensemble performance
The Folklore Ensemble “Linđo” is active for almost fifty years. Linđo is the name of the most popular dance of Dubrovnik and has been danced for two hundred years in the Dubrovnik coastal region, Konavle area and on islands Lastovo and Mljet. The dance was named after the famous musician Nikola Lale called Linđo, but it is known also as the 'Dubrovačka poskočica' i.e. The Dubrovnik Jig. Usually, It is danced accompanied by the lijerica, an old Southern Dalmatian instrument with three strings.
20:00h Cocktail dinner

22 March 2019 CONGRESS

Chairs: Asim Kurjak, Eberhard Merz		
08:30-08:40	Welcome	Eberhard Merz/Asim Kurjak
08:40-09:00	30 years of clinical 3D ultrasound	Eberhard Merz (Germany)
09:00-09:20	3D techniques	Kazunori Baba (Japan)
09:20-09:40	How to think in 3D	Liat Gindes (Israel)
09:40-10:00	Nomenclature in 3D ultrasound	Jing Deng (UK)
10:00-10:20	Lecture sponsored by Canon A Review of Current Endovaginal 3D Ultrasound Technologies and Their Clinical Impact in Gynaecology and Reproductive Medicine	Bill Smith (UK)
10:20-10:50	Coffee Break	
Chairs: Ritsuko Pooh, Giuseppe Cali		
10:50-11:10	Early normal and abnormal pregnancy	Toshiyuki Hata (Japan)
11:10-11:30	Sonoembryology by 3D	Ritsuko Pooh (Japan)
11:30-11:50	3D in malformations of the embryo/fetus in the first trimester	Bernard Benoit (France)
11:50-12:10	3D power Doppler in the evaluation of abnormally invasive placenta	Giuseppe Cali (Italy)
12:10-12:30	Fetal hemodynamics	Simcha Yagel (Israel)
12:30-12:50	Twins and 3D	Tuangsit Wataganara (Thailand)

12:50-14:10	Lunch	
12:50-13:20	Lunch symposium sponsored by General Electrics 3D Ultrasound – Past to Present	Bernard Benoit (France)
Chairs: Bernard Beonit, Giuseppe Rizzo		
14:10-14:30	3D Ultrasound as a diagnostic tool to elucidate facial anomalies	Karim Kalache (Qatar)
14:30-14:50	Malformations of the fetal face	Eberhard Merz (Germany)
14:50-15:10	Fetal palate in the second trimester	Liat Gindes (Israel)
15:10-15:30	3D of fetal skeleton	Bernard Benoit (France)
15:30-15:50	First trimester placenta volume and power Doppler	Giuseppe Rizzo (Italy)
15:50-16:20	Coffee Break	
Chairs: Aida Salihagic Kadic, Cihat Sen		
16:20-16:40	Fetal CNS	Ritsuko Pooh (Japan)
16:40-17:00	3D in midline anomalies: holoprosencephaly	Radu Vladareanu (Romania)
17:00-17:20	Fetal brain: Normal and abnormal corpus callosum	Sonila Pashaj (Germany)
17:20-17:40	Posterior fossa	Cihat Sen (Turkey)
17:40-18:00	Fetal cognitive functions assessed by 3D/4D ultrasound	Aida Salihagic Kadic (Croatia)
18:00-18:20	4D in functional studies of the fetus	Asim Kurjak (Croatia)
18:20-18:40	3D sonography in fetal syndromes	Lara Spalldi Barisic (Croatia)
18:40-19:00	Artifacts in 3D ultrasound	Danka Miric Tesanic (Croatia)

23 March 2019 CONGRESS

Chairs: Sinal Panchal, Fernando Bonilla-Musoles		
08:30-08:50	3D and female infertility	Fernando Bonilla-Musoles (Spain)
08:50-09:10	3D helpful in infertility: tubal ectopic pregnancy	Sonal Panchal (India)
09:10-09:30	3D in detection of uterine ectopic pregnancy	Ulrich Honemeyer (UAE)
09:30-09:50	Recent advances in 3D assessment of Mullerian anomalies	Ashok Khurana (India)
09:50-10:10	3D in detection and evaluation of gynecologic tumors	Juan Luis Alcazar (Spain)
10:10-10:30	3D/4D ultrasound in cervical cancer	Eberhard Merz (Germany)
10:30-11:00	Coffee Break	
Chairs: Ana Bianchi, Badreldeen Ahmed		
11:00-11:20	Second look 3D hand held ultrasound after breast MRI: Is it worth to use?	Christian Weismann (Austria)
11:20-11:40	3D Shear wave elastography in breast lesions: Is it superior to 2D shear wave studies?	Christian Weismann (Austria)
11:40-12:00	Fetal thoracic anomalies	Reuven Achiron (Israel)
12:00-12:20	3D/4D in fetal echocardiography	Ana Bianchi (Uruguay)
12:20-12:40	3D/4D ultrasound and fetal echocardiography	Badreldeen Ahmed (Qatar)

12:40-13:00	HDliveFlow and HDliveFlow silhouette mode of the fetal heart	Toshiyuki Hata (Japan)
13:00-14:00	Lunch	
Chairs: Toshiyuki Hata, Erich Hafner		
14:00-14:20	3D ultrasound and maternal bonding	Dolores Pretorius (USA)
14:20-14:40	3D examination of the placenta	Erich Hafner (Austria)
14:40-15:00	3D ultrasound for the diagnosis of placental abnormalities and assessment of placental function	Toshiyuki Hata (Japan)
15:00-15:20	3D ultrasound in placental abnormalities	Karim Kalache (Qatar)
15:20-15:40	Coffee Break	
Session of Ian Donald School Directors Chairs: Ivica Zalud, L. Fahmida Banu		
15:40-16:00	3D sonography of the placental and uterine spiral vasculature	Ivica Zalud (USA)
16:00-16:20	3DUS in cases of Increased NT in the first trimester	Yaron Zalel (Israel)
16:20-16:40	Fetal aneurysms – what to do?	Snežana Crnogorac (Montenegro)
16:40-17:00	Artificial intelligence (AI) in ultrasound /Futuristic applications	L. Fahmida Banu (India)
17:00-17:20	Sonogysterosalpingography – the evolution of the proposed invention of the author's method from 2D to 3D-4D	Alexander Papitashvili (Georgia)
17:20-18:00	3D/4D ultrasound in the evaluation of fetal behavior	Sertac Esin (Turkey)
18:00-18:10	Closing remarks	Eberhard Merz/Asim Kurjak

INFORMATION – REGISTRATION - HOTEL ACCOMMODATION

Technical organizer:



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