



Ian Donald School of Medical Ultrasound

Branch in Georgia

Director: Alexander Papitashvili

4th Ian Donald Course

**ADVANCES OF ULTRASOUND IN
OBSTETRICS AND GYNECOLOGY**

P R O G R A M M E

November 25-26, 2017

Venue:

Tbilisi State Medical University

Conference Hall

\Address: 33 Vazha-Pshavela Ave., Tbilisi, Georgia

Tbilisi, Georgia

Invitation

Dear Colleagues,

Greetings & Regards

Welcome to Tbilisi for the 4th Georgian, Ian Donald Obstetrics and Gynecology Ultrasound Course entitled
“Advances of Ultrasound in Obstetrics and Gynecology”
which will be held on November 25-26, 2017.

We have great pleasure in inviting you to these exciting days of deliberation in Obstetrics and Gynecology Ultrasound.

Looking forward to your presence.


Prof. Asim Kurjak

Director, Ian Donald School


Prof. Frank Chervenak

Director, Ian Donald School


Dr. Alexander Papitashvili

Director of Branch in Georgia

SALIENT FEATURES

- Fully revised, fourth edition presenting latest information on ultrasound in obstetrics and gynaecology.
- Divided into three sections, the book begins with an introduction to the use of ultrasound, followed by its application in both pregnant women and in the diagnosis of gynaecological disorders.
- New chapters on fallopian tube ultrasound, HD live Silhouette and HD live Flow, 3D ultrasound in prenatal diagnosis, foetal face, and 4D ultrasound. A complete section on Foetal Therapy has also been added covering stem cell and gene therapy, ultrasound guided interventions, and open foetal surgery.
- Authored by recognised experts from Croatia and the USA, this comprehensive manual is enhanced by nearly 2000 ultrasound images, illustrations and tables.

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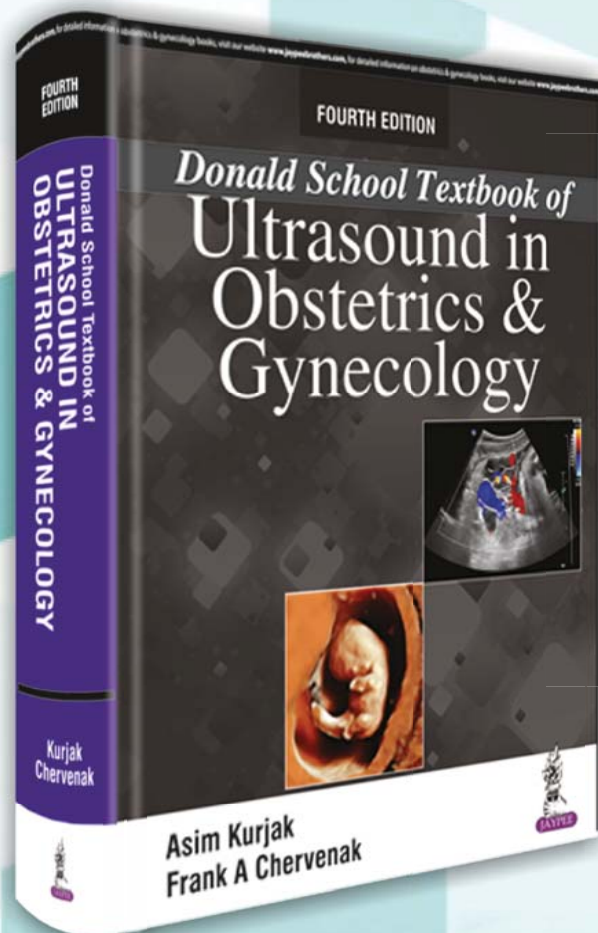


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DONALD School Textbook of ULTRASOUND in OBSTETRICS & GYNECOLOGY



4TH Edition

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Objectives of the School

- to promote: - the science and art of ultrasound scanning
- research and education in the field of medical ultrasound
- continuous training in ultrasound
- and facilitate the dissemination of information, especially by scientific publications,
- including : - Donald School Journal of Ultrasound in Obstetrics and Gynecology
- to provide: - expert advice to those entering the field of ultrasound
- to increase: - knowledge of methodology for implementing recent ultrasound advances
- to contribute: - to the improvement of teaching standards by the introduction of computer technology and devices for telemedicine


The Ian Donald School is designed to address the needs of a clinician who has some experience in diagnostic ultrasound, but needs additional knowledge and practice in recent sonographic developments in both obstetrics and gynecology.

By the end of the school, the participant will be able to:

1. Integrate state-of-the art OB/GYN ultrasound in clinical practice
2. Evaluate applications of ultrasound in early pregnancy
3. Assess current ultrasound evaluation of fetal anomalies and fetal well being.
4. Interpret the expanding role of 3D/4D ultrasound in OB/GYN diagnosis.
5. Identify applications of pelvic ultrasound in evaluation of gynecologic patients
6. Explain current ultrasound evaluation of pelvic masses
7. Summarize ethical challenges in ultrasound diagnosis and patient counseling


Intended Audience

This school is intended for general OB/GYN physicians and residents, MFM physicians and fellows, radiologists, ER and family practice physicians, genetic counselors, OB/GYN ultrasound technicians, perinatal nurses and other health professionals who desire an update on new developments in the field of OB/GYN ultrasound.



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DONALD SCHOOL JOURNAL OF ULTRASOUND IN OBSTETRICS AND GYNECOLOGY

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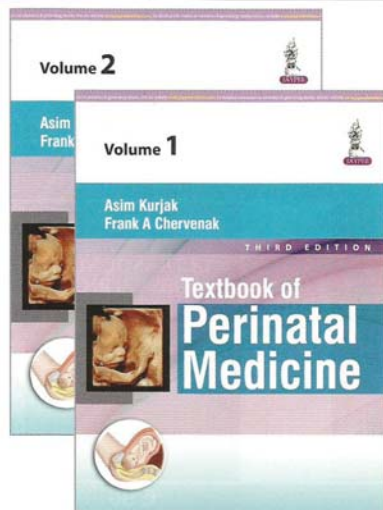
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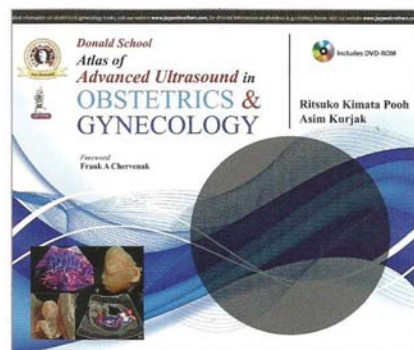
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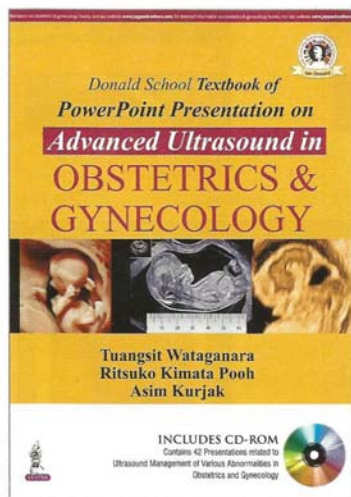
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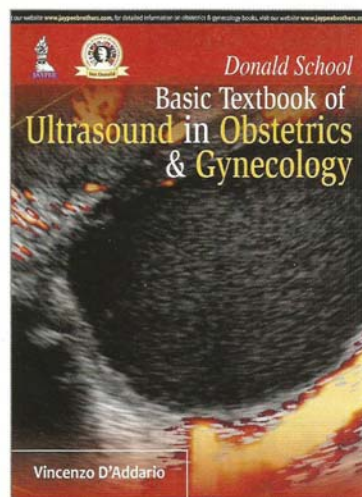
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Educating for the Future – New Challenges for Ian Donald School

Immanuel Kant made a statement about education: *«It is the education of a personal character, of a free being, who is able to maintain himself, and to take his proper place in society, keeping at the same time a proper sense of his own individuality».*

While we are living in a very different society from that of Immanuel Kant, his wisdom remains so true today.

With the rapid development of information and communications technologies, industrial nations are transforming into societies in which knowledge is the most contested and valuable good—and the need for continuing education is even more important.

At present, creativity and ingenuity comprise at least 50 per cent of the value-added chain. Just a few decades ago, the value of a machine tool was determined in large part by its material value and the cost of producing it.

Today these factors account for only some 20 percent, while the biggest portion of the share consists of development, software, design, and downstream services – that is, in value-added factors with a high knowledge intensity. Knowledge has become the decisive factor for any institution competing globally.

Do globalization and the enormous acceleration of social, economic, and political transformation process demand a different kind of education? It is clear that education is the most important investment in the national economy. Anyone who doesn't invest in education is left behind.

Learning means change, new modes of behavior, new structures, unfamiliar situations, and creativity. The increased speed at which we have to acquire new knowledge, insights, and abilities is forcing us to divide learning into novel, shorter phases. The traditional choreography of learning with its long, rigidly defined school, job, and university educational periods is already obsolete. Self-organized, lifelong learning is becoming a necessity. Education is needed more than ever to give the individual the proper orientation to make good judgments. Only on this basis can he or she think and act self-sufficiently, self-confidently and self-effectively.

A most important factor which has influenced the changes occurring in education has been the installation and development of the Internet and electronic multimedia techniques. Traditional education as well as contemporary education is supported by informatics technologies in a unique system of flexible education. In order to use the advantages of flexible education, it is necessary to combine different forms of learning.

Indeed, Donald Schools have to reinvent themselves in order to remain relevant to the current generation. The focus in an Ian Donald School is on knowledge augmentation and not on grades. Great learners are the product of great educators. It is hoped that Ian Donald School educators will be true, dedicated —human amplifiers, turning education into a memorable experience.

In our newly formed Fellowship program (Zagreb, Doha, Dubai, Khartoum), upon graduation, student laureates will earn a specialized diploma of Ultrasound in Obstetrics and Gynecology, with a leadership position in the work place. This is done in the belief that education must be driven by innovative thinking, adaptability, and worldwide collaboration. Wherever thinking happens, ideas follow, knowledge grows, and people discover new ways to unlock their potential. Although in its infancy, the fellowship program has blossomed with its wide acceptability.

In the previous issue of our journal, professor Sanja Kupescic and her team elegantly described our new project of distance learning. The distance learning campaign aims to establish a distinct visual identity for Ian Donald School and to unify all its various branches and entities into a single voice. It seeks to engage, inspire curiosity and raise awareness about the Ian Donald School and supports its continued growth, giving it higher visibility and helping people everywhere to understand its work and its future goals. In general, distance learning is reflecting a universal human need to learn and understand the world around them.

In our new virtual school the campus will be virtual – students will be able to attend classes from around the world. The Ian Donald School will be administered through a plexus of real-time information arteries. Campus activities and class sessions will be monitored to gauge educator performance and student learning progress. Advanced ultrasound technologies will be immersed into the learning process. It will certainly help to develop a lifelong learning way of life.

Undoubtedly, Donald Schools have to reinvent themselves in order to remain attractive to the younger generation, as well as stay success story in globalized medicine. With this innovation we sincerely hope that our school will stay as an internationally recognized brand, representing the future of education as it faces new global challenges and the changing needs of future generations of first class ultrasonic experts.

With distant learning we are creating a constructive, open forum for Donald School students that do not usually have a chance to interact, to create innovative, appropriate, current solutions for the changing needs of diagnostic ultrasound in the global community.

Professor Kupesic and her team, and all of national school directors will contribute to monitoring current and future challenges and their impact on education in a comprehensive manner on a global scale through highlighting and expanding innovative approaches to major education challenges. They will help develop strategies to establish new and enduring educational patterns, initiating actions and concrete solutions to rise to the 21st century global challenges, and acquiring the ability to anticipate the future challenges.

We hope to identify opportunities to shape a global educational vision for the 21st century under the theme of Donald School distance learning. The future is built on the past. The Ian Donald School has a remarkable past. It is important that teachers and students stay as futuristically thinking scientists and teachers.

In a knowledge society, where competitive edge is directly tied to innovation, the Ian Donald School has to move forward. The slumber is over. The renaissance has been long overdue. Kant was right—now more than ever.



Asim Kurjak



Frank A. Chervenak

In collaboration with:

Tbilisi State Medical University, Dept. of Reproductive Health
 Georgian Association of Obstetrics and Gynaecology
 Georgian Association of Scientists and Specialists, Dept. of Medicine
 Georgian Association of Prenatal Medicine and Perinatology
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1996 - Oncology Scientific Institute, Tbilisi

1997 - Medical-Diagnostic Unification "league"

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Markoishvili K., Mosidze M.: "Noninvasive diagnosis of renal artery stenosis by ultrasound duplex scanning", Tbilisi, 1993; 128:1-6p.

Berdev P., Simonia M., Mosidze M., "Noninvasive characterization of renal artery blood flow", in "Contemporary Problems of Theoretical and Clinical Medicine", Tbilisi 1994, 20: 15-23;

Markoishvili K., Mosidze M., "Color-duplex imaging and Doppler spectrum analysis: capabilities and limitations" in: Moscow, May 1996; 62:12-16;

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- Internship - Department of Fetal Medicine (Prof. K.Nikolaides) London, 1993; 1997; 2000.

Field of activity:

- antenatal care of pregnant women and delivery
- Ultrasound examination
- Fetal Medicine:
 - prenatal diagnosis - (amniocentesis, chorion biopsy, cordocentesis);
 - treatment during pregnancy - amniodrainage; intrauterine blood transfusion into the umbilical cord during pregnancy during fetal anemia; Reduction of the fetus during multiple pregnancies; selective fetocid;
- All kinds of gynecological operations (accesses abdominal, vaginal, laparoscopic).

Publications: He is the author of 44 articles.

SCIENTIFIC PROGRAM

November 25,2017

13:00 Registration

Venue: Tbilisi State Medical University

Conference Hall

\Address: 33 Vazha-Pshavela Ave., Tbilisi,Georgia

Opening Ceremony

Venue: Tbilisi State Medical University

Conference Hall

\Address: 33 Vazha-Pshavela Ave., Tbilisi,Georgia

15:00 Welcome -

Rector of *Tbilisi State Medical University* **Prof. Zurab Vadachkoria**

Chief Guest, *General Director of IDS* **Prof. Asim Kurjak** ,

SESSION I :

Venue: Tbilisi State Medical University

Conference Hall

\Address: 33 Vazha-Pshavela Ave., Tbilisi,Georgia

Chairpersons: Prof. Asim Kurjak(Croatia), General Director of IDS

15:30 **Asim Kurjak**, Professor,Director of Ian Donald School on Ultrasound in OB&GYN.

Neurobehavior in multiples.

16:00 **Biserka Funduk Kurjak**, Professor (Emeritus) of Obstetrics and Gynecology

Endometriosis – still enigmatic disease – what does 3D sonography add?

16:30 **Asim Kurjak**, Professor,Director of Ian Donald School on Ultrasound in OB&GYN.

Combined assessment of motoric and cognitive function of fetal brain – multicentric results obtained by KANET test.

17:00 Tea&Coffee break

17:30 **Biserka Funduk Kurjak**, Professor (Emeritus) of Obstetrics and Gynecology

Modern assessment of female infertility – the role of 3D sonography.

18:00 **Asim Kurjak**, Professor,Director of Ian Donald School on Ultrasound in OB&GYN.

Future of diagnostic ultrasound.

18:30 Closing of Session 1

19:00 Dinner

November 26,2017

10:00 Registration

Venue: *Tbilisi State Medical University*

Conference Hall

\Address: 33 Vazha-Pshavela Ave., Tbilisi,Georgia\

SESSION 2

Venue: *Tbilisi State Medical University*

Conference Hall

\Address: 33 Vazha-Pshavela Ave., Tbilisi,Georgia\

Chairperson: Prof. Alexander Papitashvili, Director of Ian Donald School Branch in Georgia

- 11:00 Alexander Papitashvili**, Professor of Tbilisi Medical University GEOMEDI.
Prenatal Ultrasound Diagnostic in Pregnant Women with Cytomegalovirus Infection
- 11:20 David Davarashvili,MD, PhD; Head of DD Clinic in Tbilisi**
Ultrasound Diagnostic of TTTS, Amniodrenage and Cord Bipolar Coagulation.
- 11:40 Maia Mosidze**, Radiologist & Angiologist in N.Bochua Medical Center for Angiology and Cardiology
Ultrasound Diagnostic of Femoral Vein Extravasal Pressure in 3rd Trimester of Pregnancy
- 12:00 Alexander Papitashvili**, Professor of Tbilisi Medical University GEOMEDI.
Prenatal Ultrasound Diagnostic in Pregnant Women with Zika Virus Infection
- 12:20 Closing Ceremony**
Valedictory
Master of Ceremony : **Prof. Dr. Tengiz Asatiani,GOGA,FRCOG**

Language of School sessions: English

Local Organizing Committee

Managing Committee:

Dr. Giorgi Tvaltvadze - Head
Dr. Barbare Gorgoshidze - Coordinator
Dr. Devi Tabidze
Dr. Malkhaz Kereselidze
Dr. Ketevan Bakhtadze
Dr. Manoni Panchulidze
Dr. Manana Tchkonია
Michael Khoshtaria
Thea Jokhadze



Alexander Papitashvili MD , PhD

Professor, **Tbilisi Medical University GEOMEDI, Tbilisi, Georgia**

Senior Specialist on Medical Diagnostic Ultrasound, **Tbilisi Medical Center NIKEMEDI, Tbilisi, Georgia**

Address:

16a, Irakli Abashidze str, Apt.#8

Tbilisi 0179, Georgia

Phone: +995 599 554351

E-mail: ampsmgge@hotmail.com

Phone /Fax: +995 32 2223669

Additional information: www.medcongress.ge

Education:

MD, Tbilisi State Medical University, Georgia, 1972

PhD, Moscow Central Research-Scientific Institute of Obstetrics and Gynecology of USSR Health Care Ministry, 1976

Appointment:

Associate Professor, Tbilisi State Medical University, 1990-2006

Professor, Tbilisi University VITA-GEORGIA, 1994-2014

Professor, Tbilisi Medical University GEOMEDI, from 2015

Publications:

161 scientific publications in the field of ultrasound in medicine, obstetrics and gynaecology, prenatal and perinatal medicine, human reproduction and genetics, medical demography, mathematic modelling and expert systems in medicine. **Inventor and Author** of the method for determination the fallopian tubes patency – sonohysterosalpingography, confirmed by USSR State Certificate has been proposed and implemented in clinical practice for the first time in the world in Georgia (1980).

Honour:

Winner, Ukrainian Davidenkov Medical Prize, 1997

Honorable Member, Belorussian Society for Radiology, 2012

Honorary Doctor, Research Center of Maternal & Infant Healthcare of Armenia, 2014

Honorary Professor, Kharkov State Medical University, Ukraine, 2016

Memberships:

President, Georgian Association of Scientists and Specialists, Department of Medicine

Secretary General, Georgian Association of Prenatal and Perinatal Medicine

Director, Georgian branch of Ian Donald International Interuniversity School of Ultrasound in OB&GYN

Founder and President, Georgian Fetal Medicine Foundation, 2009

Representative in Georgia, Ukrainian Association of Ultrasound in Obstetrics & Gynecology and Genetics

General Member, American Association of Ultrasound in Medicine

Member of Advisory Board of 10 Scientific Journal on Medicine.

Founder, Organizer and Coordinator of fifty nine (59) Georgian Annual Medical Conference and International Meetings on Medicine in Georgia, 1997-2016

Participant and Speaker to over 120 World, European and International Congresses



BISERKA FUNDUK KURJAK, MD, PhD
Professor (Emeritus) of Obstetrics and Gynecology

In 1967 **graduates** at Medical School University of Zagreb. Training at clinics of Medical School in Zagreb. Specializes in gynecology and obstetrics at the Department for women's diseases and obstetrics of Clinical medical center in Zagreb. In 1974 specialist exam. From 1974-1979 employed at the Department for gynecologic endocrinology and fertility.

In 1976 spends three months at the II. Clinic for gynecology and obstetrics at Karl's University in Prague specializing in children and adolescent gynecology. Upon return to Zagreb works as a head of Ambulance for child's gynecology at the Center for gynecologic endocrinology and fertility of the Department for women's diseases and obstetrics.

In 1979 starts working as a specialist in gynecology and obstetrics at the Institute for mother and child safety in Zagreb.

From 1986 was head of the Center for ultrasonic diagnostics at the same Institute.

In 1983 and 1987 organizes at the Institute I. and II. postgraduate study "Ultrasound in pediatrics". At the same time she is lecturing at three postgraduate studies at Medical School in Zagreb: "Medical genetics", "Mother and child safety" and "Ultrasound in clinical medicine" where she is course coordinator of "Ultrasound and infertility" in English.

In 1982 defended **PhD thesis on "Ultrasound assessment of uterus and ovarian follicle growth"**.

In 1988 Scientific-educational council of Medical School elected her for scientific-research profession of scientific assistant (assistant professor) for scientific field medicine (clinical medicine).

She supervised two master's thesis.

Participated at many local and international symposia and congresses.

Published several papers in peer review journals; author or co-author of chapters in medical books.

Author of one textbook "Ultrasound and infertility" and one popular book "Diary of a pregnant woman".

From 1986-2008, head of private polyclinic for gynecology Modern Medical Center.

Member of Croatian Medical Association, Gynecologic section, Croatian society for gynecologic endocrinology and human reproduction, Croatian association for menopause, International society for menopause.

Venue Address:

Venue: *Tbilisi State Medical University*

Conference Hall

\Address: 33 Vazha-Pshavela Ave., Tbilisi, Georgia

Registration Fees

Participant from Georgia FREE

Plus Optional

Ian Donald School Diploma(Certificate) Euro 30

Participant - foreign Euro 50

Accompanying person Euro 20

Company and hospital Euro 200

Organizing Committee invites Companies to take part in Meeting as a sponsors.

Gold Sponsoring participation for the full time of Meeting - Euro 2000

General Sponsoring participation for the full time of Meeting - Euro 1000

Sponsoring participation for the full time of Meeting - Euro 500

Important Notes

The registration fee includes Conference kit, Conference Tea&Coffee, Access to Scientific Sessions & Exhibition, Access to Training courses (workshops)

Payment in EURO by bank transfer.

Transfer details: **FOR BANK TRANSFER PLEASE USE THE FOLLOWING BANK DETAILS:**

Intermediary Bank: Commerzbank, Frankfurt, Germany; SWIFT: COBADEFF

Account with Institution: Bank of Georgia, SWIFT: BAGAGE22

3, Pushkin Street, 0105 Tbilisi, Georgia

Beneficiary: Georgian Association of Prenatal Medicine and Perinatology

Account: GE69BG0000000546144100EUR

For Registration Enquiry at:

Please contact – Secretariat: **MC NIKEMEDI**

1/12, Arakishvili str., Tbilisi 0179, Georgia, room N 3

For more information:

Phone: (+995 99) 55 43 51

Phone/Fax: (+995 32) 22 36 69

Email: ampsmpe@hotmail.com

jokhadzetha@gmail.com

www.medcongress.ge

Dr. Prof. **Alexander Papitashvili**
Head of Local Organizing Committee

Presentation rules

Presentations:

20-30 minutes in duration

Presentations should be effectively delivered strictly within allocated time

As a general guideline allow 1 minute per slide

Allow 5-10 minutes discussion after each topic

Allow 15-30 minutes discussion at the end of specific session

Suggestion for presentation structure:

Ian Donald School emblem on the first slide with the name of the respective Ian Donald School

Learning objectives at the beginning of each presentation

Conclusions at the end of each presentation

Appropriate credit should be clearly displayed for borrowed educational content (ultrasound pictures, research results)

Patient names, medical record numbers and other identifications should not be presented without explicit patients consent. Patient privacy should be protected at all times.

Invited Speakers & Lecturers of 4th Georgian, Ian Donald Obstetrics and Gynecology Ultrasound Course



ASIM KURJAK, MD, PhD

Professor of Obstetrics and Gynecology

EDUCATION: in 1966 MD degree at the University of Zagreb; from 1971-1972 as a British scholar, research assistant at the Institute of Obstetrics and Gynecology, University of London; in 1974 specialist in obstetrics and gynecology; in 1977 PhD degree.

PRESENT POSITION: professor of obstetrics and gynecology, Medical School Universities of Zagreb and Sarajevo. President of International Academy of Perinatal Medicine.

PUBLICATIONS: peer review articles – more than 500; books (written or edited) - 113; invited lectures at major international meetings - more than 700; MSc thesis supervisor - 52; PhD thesis supervisor - 28. His papers have been cited more than 6.995 times in Science Citation Index.

AWARDS, HONORS AND ACHIEVEMENTS: National Prize for Young Scientists (1971); Croatian national award "Rudjer Boskovic" for scientific work (1985); "Josip Juraj Strossmayer" Prize of Academy of Science and Arts of the Republic of Croatia for the scientific book (1990); The Prize of Academy of Science and Art of the Republic of Croatia for the achievements in medical science (1994); Prize "Europski krug" given by European Movement - Croatia (1996), Prize "William Liley" for the best scientific paper from fetal diagnostics and therapy (1998); "Maternity Prize" given by European Association of Perinatal Medicine (2000), and Presidential decoration "The Order of the Croatian Starr with the Effigy of Rudjer Boskovic" (2001); "Pavao Culumovic" Prize of Croatian Medical Association (2003), Erich Saling Perinatal Prize (2011), Lifetime Achievement Award from International Academy of Perinatal Medicine (2015).

MEMBERSHIP: He is a **regular member** of European Academy of Sciences and Art, International Academy for Human Reproduction, Italian Academy of Science and Art of Reggio Puglia, Academy of Medical Sciences of Catalonia; honorary member of American Institute of Ultrasound in Medicine and Biology; foreign member of Russian Academy of Medical Sciences; Regular Fellow of Russian Academy of Science; member of Academy of Science and Art of Bosnia and Herzegovina; member of Bosniak Academy of Sciences and Arts.

He is **honorary member** of 15 international societies. Member of Editorial board or editor in chief of several international journals.

Presently, he is Past President of World Association of Perinatal Medicine; coordinator of Educational Committee of World Association of Perinatal Medicine; President of International Academy of Perinatal Medicine and Fellow of World Academy of Art and Science;

director of Ian Donald Inter-University School of Medical Ultrasound.

Editor-in-chief of Donald School Journal of Ultrasound in Obstetrics and Gynecology.

He has been **awarded doctor honoris causa** from Semmelweis University in Budapest, Hungary; University of Athens, Greece; Carol Davila University of Medicine, Bucharest, Romania; University of The Republic, Montevideo, Uruguay; Siberian State University, Tomsk, Russia; University of Buenos Aires, Argentina; Ott Scientific Research University of Obstetrics and Gynecology, St Petersburg; Pirogov Russian National Research Medical University, Moscow and Center for Obstetrics, Gynecology and Perinatology, Moscow; University of Tirana, Albania.