

EUROSON 2015

Athens Greece, November 6–8

UltraSound UpGRades
prevention/diagnosis/therapy

www.euroson2015.org



Final Program



27th

Congress of the European Federation of Societies
for
Ultrasound in Medicine and Biology (EFSUMB)

 EUROSON2015
Athens Greece, November 6-8

Toshiba Symposium
Ultrasound New Dimensions

Sunday, 8 November 2015
14.00 - 15.00 hrs, Room: TERPSICHORE A

Moderator: Dr. Lassau

14.00-14.20
Dr. Horst Kinkel
"SMI as an Essential Tool in Daily Routine"

14.20-14.40
Dr. Nathalie Lassau
"Role of dynamic contrast enhanced US in characterization and therapy of tumors"

14.40-15.00
Dr. Vito Cantisani
"Reliability and Accuracy of Elastography"



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[Welcome Address]



Athens, November 6th, 2015

On behalf of the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB) and the Hellenic Society for Ultrasound in Medicine and Biology (HSUMB), the Presidents and the Organizing and Scientific Committees of EUROSON 2015, we extend a very warm welcome to all participants in Athens.

HSUMB would like to thank EFSUMB for trusting us and for giving us the opportunity to host this congress in Greece. We would also like to express our special thanks to Mrs Lynne Rudd, EFSUMB Secretary, for her invaluable contribution in the organization and active management in every step of the meeting.

Ultrasound now more than ever is a powerful tool which can be applied in all medical fields for Prevention, Diagnosis and Therapy. The **motto** of this **Congress** is: ***Ultrasound Unites all medical fields and helps upgrade the way we practice medicine through science and education.*** EUROSON 2015 will cover all innovative and current applications of ultrasound. The EFSUMB annual Congress is the place where physicians from all over Europe and around the globe, covering all specialties meet, discuss, inform and exchange views on all current trends of Ultrasound. The highly specialized scientific and educational program is a great opportunity for all to exchange views and experiences as well as learn from colleagues who are experts, each in his own field.

Participants will be informed and updated on the latest technological developments and advancements of the industry and the latest guidelines on all ultrasound applications. Recent developments in **Ultrasound technology** have helped upgrade the medical field in a variety of ways. New ultrasound technologies containing vital clinical information and cutting edge science such as Elastography, Contrast Media and Fusion Imaging are areas of special focus and are presented in several sessions and in the Exhibition area, where more than 17 companies are contributing.

We would like at this point to thank the **Industrial Companies** for their support and excellent exhibition of Ultrasound equipment and instruments, which will be appreciated under the help of the Exhibitors. It goes without saying that, without their support, these congresses would not be able to take place.

EUROSON 2015 aims to be THE highly educative Ultrasound Congress which will offer to every attendee a unique opportunity to debate on controversial issues, discuss important professional challenges, and review the current situation in all basic and advanced topics of modern Ultrasonography. The **interdisciplinary approach of EFSUMB** encompasses many educational and scientific sessions including Breast, Emergency medicine, Anesthesiology, Head & Neck, Cardiology, Abdomen, Intestinal Ultrasound (IUS), Obstetrics & Gynecology, Urology, MSK, Pediatrics and Physics. **Invasive diagnostic and therapeutic procedures** are also included in the program in fields of special interest, such as OBGYN and Interventional Ultrasound INVUS in other organs. The wide selection of **scientific sessions** offered, such as Categorical, Refresher, How-to-do Practical Courses, Multidisciplinary Sessions and Plenary Sessions with State of the Art Special Lectures, covers a huge range of hot topics that is sure to cater the needs of each attendee. This year we have organized a special session for **students** and encouraged their participation, since we strongly believe that they are the future and EFSUMB has proven its genuine interest.



[Welcome Address]

HSUMB



EFSUMB

We hope that all participants will take advantage of the beneficial value of coming together with friends and colleagues from around the world and most importantly to personally meet and learn from expert physicians and Europe's finest Ultrasound educators. This Congress will be a forum for exchanging freshly acquired knowledge, for sharing scientific ideas and for inspiring new research. EUROSON 2015 will thus contribute to the further development and improvement of our favorite technology - Ultrasound.

Athens is a city with history of more than 2500 years. There are many unique places of historical interest you may visit, but also many sites of the city with special interest you are encouraged to visit and become acquainted to modern Athenian life. We strongly encourage you to join the Gala Dinner in Plaka, the old historical conserved neighbourhood of Athens, clustered around the northern and eastern slopes of the Acropolis, with small labyrinthine streets and neoclassical architecture.

We hope you will enjoy EUROSON 2015 and that it proves to be a scientific meeting of substantial educational and informative value, as well as an opportunity and for making new contacts for further collaboration.

Welcome to Athens and EUROSON 2015!

Congress Presidents

Prof. Nikolaos E. Papantoniou
HSUMB President

Prof Dr. Christoph F. Dietrich
EFSUMB President



Workflow meets wow

Join us at EUROSON booth 12

Choosing a new ultrasound system is all about balance. You want the latest technology, as well as easy, intuitive access to the features you require. You need accurate diagnostic information, while achieving your throughput goals. **Visit us at booth 12** to find out how the new Philips Affiniti can support your work. You can also secure your place for our hands-on workshops.

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[Committees]

Congress Presidents

Nikolaos Papantoniou President HSUMB
Christoph F Dietrich President EFSUMB

Honorary President

Pavlos S. Zoumpoulis

Local Organizing Committee

Nikolaos Papantoniou President
Irene Mastorakou Vice-President
Konstantinos Vagianos Gen. Secretary
Kelly Pahou Sp. Secretary
Eleni Panteleakou Treasurer

Local Scientific Committee

Athanasios N. Chalazonitis President

Course Coordinators

Athanasios N. Chalazonitis, George Zografos
Breast
Aris Antsaklis, Nikolaos Papantoniou
OBGYN
Apostolos Karantanias, Eleni Panteleakou
MSK
Ioannis Lekakis, Irene Mastorakou
Cardiovascular
Athanasios N. Chalazonitis, Kostas Vagianos
Upper Abdomen GITract
Spyros Stergiopoulos, Andreas Karampinis
Trauma ICU
Gerasimos Alivizatos, Dionisios Mitropoulos
Urology
Athanasios N. Chalazonitis,
Konstantinos Chlapoutakis
Head&Neck
Georgia Kostopanagiotou, Paraskevi Matsota
Anesthesia
Eva Bartels, Elias Broutzos
Interventional US
Odd Helge Gilja, Giovanni Manconi
Intestinal US
Athanasios N. Chalazonitis, Ioann Sporea
Elastography
Effie Alexopoulou, Maria Argyropoulou
Pediatric

Members of the Local Scientific Committee

Alevizaki Maria
Antoniou Aris
Antsaklis Panagiotis
Apergis Sergios
Asimakopoulos Efstathios
Athanasiadis Apostolos
Chatzimichail Aikaterini
Daskalakis George
Dekavallas Georgios
Fezoulidis Ioannis
Kelekis Alexios
Kelekis Nikos
Kouraklis Grigorios
Liakakos Theodoros
Machairas Anastasios
Makris George
Makridimas Georgios
Moulopoulou Evangelia
Nikiteas Nikolaos
Papadopoulou Freideriki
Petsas Theodoros
Plagou Athina
Polydorou Andreas
Poulakaki Fiorita
Prassopoulos Panagiotis
Sifakis Stavros
Smirmiotis Vasilis
Sotiriadis Apostolos
Stefos Theodoros
Vourtsi Athina

International Scientific Committee

Benacka Jozef, SLOVAK REPUBLIC
Brkljacic Boris, CROATIA
Cantisani Vito, ITALY
Cerezo Eugenio, SPAIN
de Catte Luc, BELGIUM
de Korte Chris, NETHERLANDS
Dietrich Christoph F., DENMARK
Gaitini Diana, ISRAEL
Gilja Odd Helge, NORWAY
Harmat Gyorgy, HUNGARY
Havre Roald Flesland, NORWAY
Kabaalioglu Adnan, TURKEY
Klauser Andrea, AUSTRIA
Kosiak Wojciech, POLAND
Ksenija Vuković, SLOVENIA
Lorentzen Torben, DENMARK
Mitkov Vladimir V., RUSSIA
Mitova Rumiana, BULGARIA
Nielsen Michael B, DENMARK
Nürnberg Dieter, GERMANY
Papantoniou Nikolaos, GREECE
Piscaglia Fabio, ITALY
Pontes José Manuel, SPAIN
Radzina Maija, LATVIA
Romano Marcello, ITALY
Saftoiu Adrian, ROMANIA
Schwarzenbach Hans-Rudolf,
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[General Information]

Date

November 6-8, 2015

Venue

Athens, Greece - Athens Hilton Hotel
46 Vassilissis Sofias Avenue, Athens, 11528, Greece
Tel: +30-210-7281000, Fax: +30-210-7281111,
www.hiltonathens.gr



Official Language

The official Congress language is English.

Badges

For admission to the scientific sessions & exhibition it is obligatory to wear your badge.

Certificate of Attendance

A certificate of attendance will be given to each registered participant, at the end of the Meeting.

Exhibition

A commercial exhibition is organized during Congress and will be open according to the scientific program

Opening Ceremony & Welcome Cocktail

The Opening Ceremony of the EUROSON 2015 will be held at Athens Hilton hotel on Friday, November 6th at 19:00, in Terpsichore A Hall. Welcome Cocktail will follow for all participants.
The Cocktail is included in the registration fee.

Gala Dinner

Live like an Athenian!

The Gala Dinner of the Congress will be held on Saturday, November 8th, at Plaka, the old town of Athens. Departure from Athens Hilton hotel at 20.00. The rich history and renowned culinary scene found in Athens's oldest neighborhood provide the perfect ingredients for a fun and memorable walking food tour. Enjoy a sensory experience as you hear the modern day and historical stories and secrets, see the beautiful architectural details, and taste and smell the local food specialties of this vibrant neighborhood. Tour will end in one of the most famous Greek restaurants in Plaka for an exceptional and traditional, Greek dinner with live music.



Gala dinner is not included in the registration fee.

Price per person is 80 € and includes:

- Bus transfer to/from Plaka area
- Walking tour with Professional guides and escorts
- 3 tasting stops
- Traditional dinner in Plaka, including drinks
- Live music

[General Information]

Insurance

The EUROSON 2015 Congress accepts no liability for any claim concerning liability, personal damage, lost, theft, illness, non-appearance of speakers etc. We recommend participants and exhibitors to cover these risks by a respective insurance. The Program is subject to change without notice.

Shopping in Athens

In Athens the usual opening hours for shops are:

- Monday, Wednesday & Saturday from 09.30-14.30 hours
- Tuesday, Thursday & Friday from 09.30-14.30 hours and from 17.30-20.30 hours

These times are not always strictly adhered to. Many shops in tourist resorts are open seven days a week. Department's stores and supermarkets are open from 09.00-20.00 hours (Monday-Friday) and from 08.00-15.00 hrs (Saturday) and are closed on Sunday.

Post offices are open from 07.30-14:00 hours (Monday-Friday)

Transportation

Athens Airport

The Athens International Airport is located in Spata, 27 Kms north-east of Athens and handles all international and domestic flights.

For more information please visit the Eleftherios Venizelos website: <http://www.aia.gr>

A special feature of this web site is that on the home page you can link to live arrival and departure information by clicking on the link Real Time Flight Information.

To the Airport by Bus Three express lines serve the Athens International Airport to Athens City Center on a 24 hours basis. The bus line E95 (Direction Syntagma) serves Athens City center (Syntagma, Constitution Square). The following timetable is applicable:

From Syntagma area to Airport

Every 25' from 06.00 to 20.40

Every 25'-35' from 20.40 to 06.00

Current ticket price for the airport express line is € 5.

To the Airport by Taxi An average journey by taxi from Eleftherios Venizelos Airport to city centre should take approximately 30- 45 minutes, depending on the traffic. The cost of the ride is € 35 - € 40 per way.

To the Airport by Metro The metro (Lines 2 and 3) runs from about 05.00 am until 24.00, the trip takes approximately 30 minutes. Current ticket price for the airport express line is € 8. For further information contact Attiko Metro or through the Internet www.ametro.gr

Congress Secretariat

The Meeting Secretariat desk will be located in the lobby of the Meeting Halls and will operate throughout the congress hours.



ERA Ltd 17 Asklipiou Str., 106 80, Athens, Greece

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Look differently with Invenia ABUS

Automated Breast Ultrasound

Invenia™ ABUS is an FDA approved and CE marked screening technology that provides a view beyond mammography for women with dense breasts.

Dense tissue can mask the appearance of tumors and limit the performance of mammography. Screening with ABUS has a 55% relative increase in invasive breast cancers identified using supplemental ABUS and a 37% relative increase in cancer detection overall than mammography alone.¹

1. Brem RF, Tabár L, et.al Assessing Improvement in Detection of Breast Cancer with Three-dimensional Automated Breast US in Women with Dense Breast Tissue: The somnolinsight Study. Radiology 2015 Mar; 274(3):663-73

Look differently.

Designed for the fast-paced screening environment, Invenia ABUS provides automated technology for users to quickly and comfortably create reproducible exams that can be efficiently reviewed by physicians.



The Invenia ABUS exam is easily performed by your mammography technologist or sonographer. The streamlined user interface, automated image optimization, compression, and acquisition allow complete exams to be performed in 15 minutes.¹

1. Average acquisition time per patient measured from Invenia ABUS users



The Invenia ABUS Workstation displays 3D volumes in a patented, 2 mm thick coronal slice from the skin to the chest wall. The workstation's intelligent tools provide efficient exam reading and analysis within 3 minutes² - which offers remarkable time saving for Physicians compared to hand-held Ultrasound.

2. AARRS 2012 Breast Imaging: Screening/Emerging Technologies Oral Abstract: Radiologist Interpretation Time for 3D Automated Breast Ultrasound Screening, R. Brem

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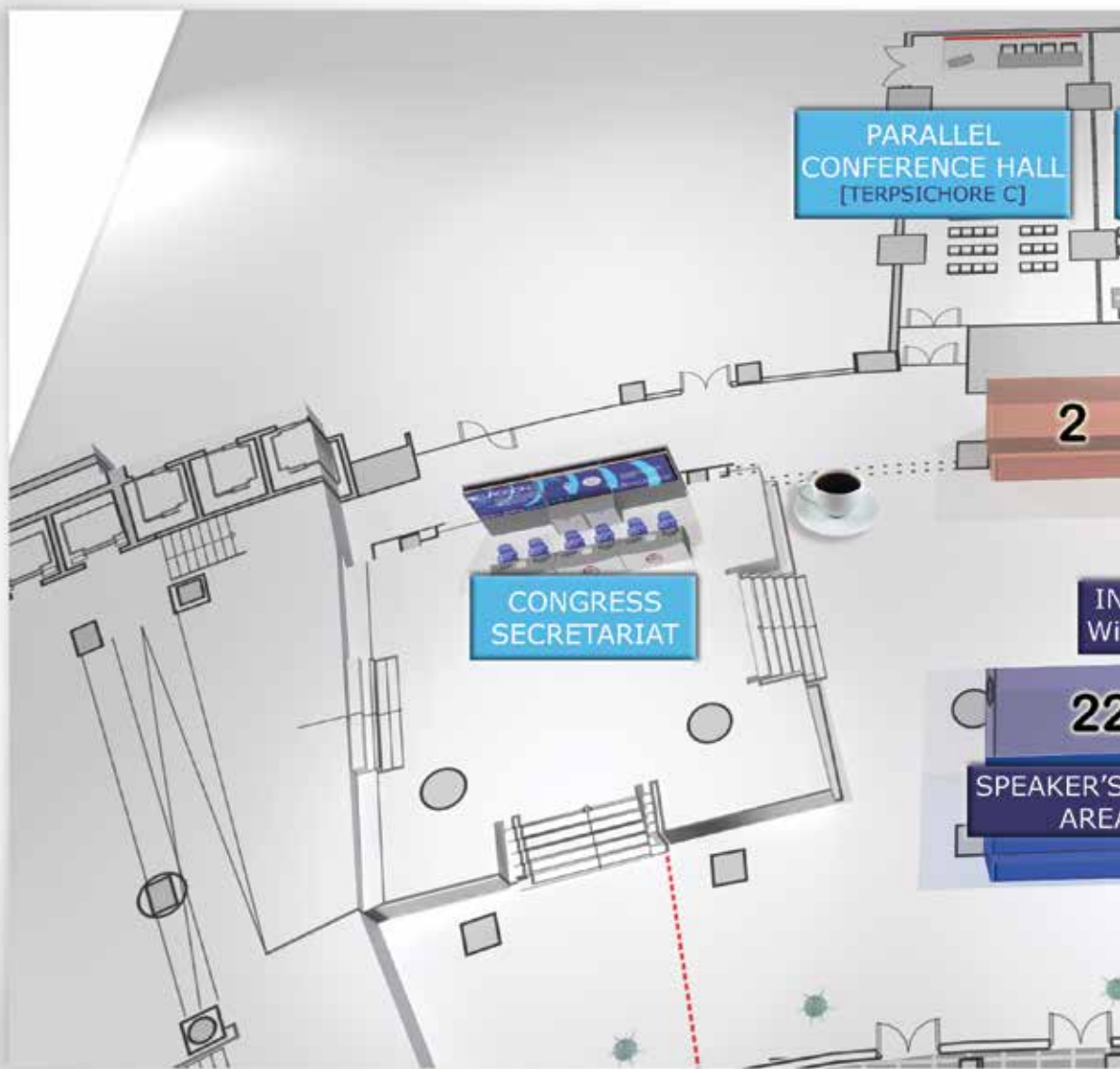


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[Exhibition Plan]



Booth No	Company Name
2	SAMSUNG
3	ESAOTE
4&5	GE
6	VINNO

Booth No	Company Name
7	SONOSCAPE
8	MINDRAY
9&10	BRACCO
11	MedaPhar

[Exhibition Plan]



Booth No	Company Name
12	PHILIPS
13	SIEMENS
14	3DS Healthcare
15	EFSUMB & EUROSON 2017

Booth No	Company Name
16	Tristel Solutions Limited
17	PAPAPOSTOLOU
18	JP Medical Publishers
19	SUPERSONIC IMAGIN

[Scientific Information]

CME

The EUROSON 2015 has been *granted* 18 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME).

Categorical Course

Each Categorical Course consists of a structured presentation of Ultrasound semiology on a specific anatomical system and each organ that comprises the system. Starting from the Basics (echo-anatomy, physiology), each CC proceeds to an analytical presentation of US semiology per organ and pathology. Other imaging modalities (CT, MRI, γ -camera, PET-CT) are compared to US. Interventional US guided techniques are also presented. Therapeutic US is also discussed and compared with other types of treatment.

One (1) Categorical Course (topic) is included in the registration fee.

Refresher Courses

Refresher Courses are educational and informative. The main goal is to educate and inform participants on conventional and innovative topics of each entity. Refresher Courses are organized in line with the Categorical Courses.

Refresher Courses are free of charge and are open to all who have registered.

Practical Courses

Practical Courses are geared to to teach, train and inform participants on conventional and innovative Ultrasound applications and US guided Interventional Techniques. The main objective is to give participants the opportunity to have hands-on training from expertise instructors. Each Practical Course starts with three brief How-to-do Presentations which describes each method in a step by step fashion. Five workshop stations will be set up so that attendees may observe a real-time ultrasound exam in real-time. The participants will be divided into small groups who will rotate to each of the five workshop stations where they will have access to the transducer. Instructors will give participants Tips & Tricks for each technique and method such as how to hold the transducer, where to place the transducer to best visualize each organ.

One (1) Practical Course on the same topic as the Categorical Course is included in the registration fee



[Scientific Information]

Various Sessions

1. ESR / EFSUMB Joint Session
2. EFSUMB Joint Committee Session
3. DEGUM Obstetrics Gynecology Breast
4. CEUS Session
5. IUS Session
6. Students Session

These sessions are free of charge and are open to all who have registered.

e-Posters

All e-Posters will appear on plasma stations in the Poster Area and are available for electronic viewing at all times for participants.

Presentations

The Halls are equipped for Power Point presentations. Presentations uploading and testing will take place at the Preview Desk. Technical assistance will be provided for any type of presentation.

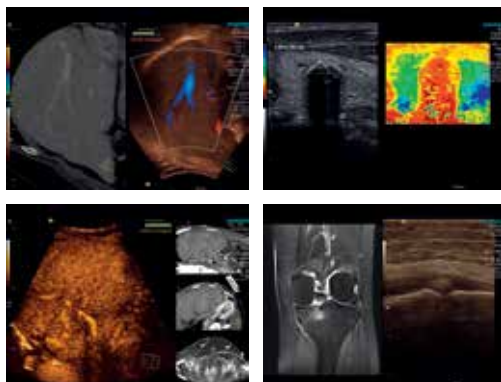
It is important to bring your presentation in advance of your scheduled session. Speakers scheduled for the morning sessions should deliver their presentations preferably the day before, while those scheduled for the afternoon sessions before lunchtime. Speakers are kindly requested to keep the time allocated for each presentation (including discussion).

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Smart Ultrasound Solutions

www.siemens.com/ultrasound



At Ultrasound we are never satisfied with what is possible today, which is why we continually strive to become more valuable to our customers and our partners.

Siemens Ultrasound systems provide exceptional imaging results. Utilizing advanced technologies and diagnostic tools that expand your clinical capabilities, they deliver crisp, clear images that might help you make the first diagnosis the right one.

We innovate to advance human health.



Scientific Program



FRIDAY 6/11

TERPSICHORE A

09:00-10:00 CC1.A. BREAST

A. BASIC PRINCIPLES OF BREAST ULTRASOUND

Moderators: **O. Doryforou** - **E. Primetis** - **I.E. Grammatikakis**

1. Basic Principles in Breast Ultrasound Physics - **V. Tsapaki**
2. Ultrasound Breast Anatomy - **B. Brkljačić**
3. Whole Breast Ultrasound, Scanning Techniques and Methods - **S. Prapavesis**
4. Breast Age-Related Changes and Pregnancy - **K. Vasiou**

10:00-11:00 CC1. B. BREAST

B. ULTRASONOGRAPHIC BREAST IMAGING FINDINGS I

Moderators: **F. Poulakakis** - **T. Ordoudis**

1. Benign and Probably Benign Lesions - **G. Makris**
2. Ultrasound Evaluation of Not Simple Cysts - **M. Christodoulou**
3. Malignant Breast Lesions - **Ch. Makridis**

11:00-11:15 Q & A

11:15-11:45 COFFEE BREAK

11:45-12:45 CC1.C. BREAST

C. ULTRASONOGRAPHIC BREAST IMAGING FINDINGS II

Moderators: **A. Vourtsi** - **V. Venizelos**

1. Carcinoma in Situ - **G. Kyropoulos**
2. Invasive Ductal and Lobular Carcinoma - **K. Kontzoglou**
3. Inflammatory Carcinoma - **I. Christodoulidou**
4. Postoperative Changes - **N. Armoni**

12:45-13:00 Q & A

13:00-14:00 Lunch Symposium

**Cutting-edge technology of SAMSUNG
for diagnostic challenges**

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SAMSUNG

Fusion Imaging: Not only for Liver-**A. Martegani**

Clinical Evaluation of US-Elastography in Thyroid, Breast and Liver-**V.Cantisani**

6¹¹

FRIDAY

7¹¹

SATURDAY

8¹¹

SUNDAY



TERPSICHORE A

[Program EUROSON 2015]

6¹¹

FRIDAY

7¹¹

SATURDAY

8¹¹

SUNDAY

14:00-15:00 RC1.A BREAST

A. EVERY DAY BREAST ULTRASOUND

Moderators: **A. Keramopoulos** - **M. Hahn**

1. Current Status of Ultrasound Screening - **O. Doryforou**
2. Ultrasound Evaluation of Papillary Lesions and Nipple Discharge - **S. Prapavesis**
3. Ultrasound Evaluation of Solid Lesions - **D. Kanavou**
4. BI-RADS Ultrasound Lexicon - **A. Giatas**

15:00-16:00 RC1.B BREAST

B. EMERGING TECHNOLOGIES IN BREAST IMAGING

Moderators: **K. Dimitrakakis** - **A. Giatas**

1. Ultrasound Breast Elastography - **G. Ivanac**
2. 3D and 4D Breast Ultrasound - **N. Dimitropoulos**
3. Automated Whole Breast Ultrasound - **S. Lazarou**
4. Breast Ultrasound in operation room and HIFU - **M. Hahn**

16:00-16:15 Q & A

16:15-16:45 COFFEE BREAK

16:45-17:45 RC1.C BREAST

C. CONTEMPORARY TOPICS IN BREAST IMAGING

Moderators: **G. Zografos** - **L. Ioannidou-Mouzaka** - **A. Vourtsi**

1. Breast Male Ultrasound - **A. Papaevangelou**
2. Ultrasound in Staging Cancer - **M. Angelopoulos**
3. Ultrasound-Guided Interventional Procedures - **C. Gkali**
4. Breast Ultrasound in the Hands of Breast Surgeons: A Necessity or a Luxury.- **F. Poulakaki**

17:45-18:00 Q & A

18:00-19:00 Satellite Symposium

Sponsored by

The combination of digital mammography and 3D Automated Breast Ultrasound (ABUS) - a responsible multimodality approach for screening women with dense breast tissue

Speaker: **L. Tabár**



19:00-20:00 OPENING CEREMONY

- Welcome addresses
- Opening lecture
"Hippocratic Medicine through the Centuries" - **Stefanos Geroulanos**
- Cocktail



TERPSICHORE B

[Program EUROSON 2015]

09:00-10:00 CC2.A OBGYN

A.CNS

Moderators: **P. Antsaklis - J. Tziotis**

1. Fetal Brain I: Ventriculomegaly & Agenesis of the Corpus Callosum - **Th. Dagklis**
2. Fetal Brain II: Posterior Fossa Abnormalities - **P. Kourtis**
3. Neural tube defects - **A. Zavlanos**
4. CNS abnormalities at 11-14 weeks - **D. Iliescu**

10:00-11:00 CC2.B OBGYN

B. THORAX - ABDOMEN-SKELETON

Moderators: **V. Papadopoulos - L. Aravantinos**

1. Diaphragmatic Hernia, CCAM & Pleural effusion - **M. Simou**
2. Craniofacial anomalies - **T. Overton**
3. GI & Genito-urinary tract - **M. Theodora**
4. Skeletal Dysplasia - **P. Antsaklis**

11:00-11:15 Q & A

11:15-11:45 COFFEE BREAK

11:45-12:45 CC2.C OBGYN

C. FETAL HEART

Moderators: **V. Tsapanos - D. Kassanos**

1. Examination of fetal heart in the 2nd trimester - **M. Kiafa**
2. Fetal Heart & Chromosomal Abnormalities - **N. Psarra**
3. First trimester Screening for fetal heart anomalies - **A. Gerede**
4. Common Congenital Defects - **E. Tsapaki**
5. First Trimester Detection of CHD - **T. Economou**

12:45-13:00 Q & A

16:45-17:45 RC2.B OBGYN

B. ULTRASOUND IN GYNECOLOGY

Moderators: **D. Botsis - A. Domali**

1. Classifying Ovarian Pathology by ultrasound - **K. Kalmantis**
2. Evaluating cervical neoplasia by color Doppler -Elastography - **A. Domali**
3. Diagnosing fibroids, sarcoma and adenomyosis with ultrasound - **G. Derdelis**
4. Ultrasound of Pelvic floor disorders - **M. Brvar**
5. The role of ultrasound in the diagnosis of endometriosis - **G. Derdelis**

17:45-18:00 Q & A

6¹¹

FRIDAY

7¹¹

SATURDAY

8¹¹

SUNDAY

TERPSICHORE C

[Program EUROSON 2015]

6¹¹

FRIDAY

7¹¹

SATURDAY

8¹¹

SUNDAY

09:00-10:00 CC4.A CV

A. CEREBROVASCULAR SYSTEM

Moderators: **I. Mastorakou - C.F. Dietrich**

1. Elastography in vascular system - **I. Mastorakou**
2. The carotids: assesment and atherosclerosis - **N. Liassis**
3. US assesment of the vetrebrobasilar system - **S. Katsilouli**
4. Transcranial Doppler: Technique and Indications - **M. Radzina**

10:00-11:00 CC4.B CV

B. ABDOMINAL VESSELS

Moderators: **C.F. Dietrich - C. Deane**

1. Doppler principles in vascular Ultrasound. An overview - **C. Deane**
2. Aorta, IVC and the visceral arteries (including CEUS) - **CF Dietrich**
3. The Renal arteries in systematic hypertension - **B. Brkljačić**
4. Liver-Spleen: vasculature and perfusion - **I. Theotokas**

11:00-11:15 Q & A

11:15-11:45 COFFEE BREAK

11:45-12:45 CC4.C CV

C. PERIPHERAL VESSELS

Moderators: **C. Deane - B. Brkljačić**

1. Venous anatomy and ultrasound technique - **S. Kampanarou**
2. Venous US - Pitfalls and limitations - **D. Gaitini**
3. Vascular access: US as the first and last step - **A. Tassouli**
4. Arterial Pseudoaneurysms:Us guided treatment - **O. Karapanagiotou**

12:45-13:00 Q & A

14:00-15:00 CC4.D CV

D. LARGE VESSELS - INNOVATIONS

Moderators: **B. Brkljačić - T. van der Steen**

1. Intraoperative Vector flow Imaging in the ascending aorta - **KL. Hanssen**
2. Vascular US in the era of CT and MR - **B. Brkljačić**
3. Intravascular imaging - **T. van der Steen**
4. Transesophageal US in aortic dissection - **S. Kyrzopoulos**



15:00-16:00 CC2.D OBGYN

D.US IN OBSTETRICAL MANAGEMENT

Moderators: **S. Sifakis - A.Garas**

1. First term miscarriage and Ectopic pregnancy: ultrasound criteria and management - **M. Sindos**
2. Biophysical profile & doppler in management of IUGR - **A.Garas**
3. Preterm Labour - **Ch.Skentou**
4. Ultrasound in Labour - **E. Asimakopoulos**
5. Trophoblastic Disease and Ceasarean Scar Pregnancy - **V. Papadopoulos**

16:00-16:15 Q & A

16:15-16:45 COFFEE BREAK

16:45-17:45 CC2.E OBGYN

E. MULTIPLE PREGNANCY

Moderators: **G. Daskalakis - N. Vitoratos**

1. Multiple pregnancy: the basics - **S. Kitmiridis**
2. Screening for chromosomal abnormalities in twins - **D. Sarikostas**
3. First trimester screening for TTTS - **M. Eleftheriadis**
4. Manangement and Complications in monochorionic twins - **G. Daskalakis**

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09:00-10:00 CC3.A MSK

A. MSK US - TENDONS / MUSCLES/JOINTS

Moderators: **M.B. Nielsen - E. Cerezo**

1. **HANS HENRIK HOLM Lecture:** US examination of the hip with and without prosthesis - **L. Bolvig**
2. Ultrasound of the shoulder - **Th. Papatheodorou**
3. Elastography in neuromuscular diseases - **F. Calliada**

10:00-11:00 CC3.B MSK

B. MSK US - RHEUMATOLOGY

Moderators: **M.B. Nielsen - E. Cerezo**

1. What the rheumatologist expects from US - **E. Tsitsami**
2. US in joint disease - **D. Gaitini**
3. CEUS in Rheumatology - **M. Vlychou**
4. When can US findings influence clinical decision in Rheumatology - **A. Plagou**

11:00-11:15 Q & A

11:15-11:45 COFFEE BREAK

11:45-12:45 CC3.C MSK

C. MSK US - SOFT TISSUES AND INTERVENTIONS

Moderators: **A. Kelekis - E. Drakonaki**

1. How to differentiate benign from malignant in MSK tumors - **A. Balanika**
2. US treatment of calcific tendinitis - **N. Nates Uribe**
3. Innovative techniques for the diagnosis and treatment of soft tissue lesions - **M. Papagiannakis**
4. Interventions in MSK tumors - **E. Drakonaki**

12:45-13:00 Q & A

14:00-15:00 CC3.D MSK

D. MSK US - Nerves

Moderators: **A. Chatzioannou - J. Carlsen - A. Lim**

1. Peripheral nerve imaging: News, trends, Interventions - **G. Bodner**
2. Traumatic nerve lesions - The validity of Sonography - **A. Loizides**
3. US guided nerve blocks in Anesthesiology - **A.H. Onutu**
4. US-guided interventions in the spine - **A. Loizides**



THALIA 1

[Program EUROSON 2015]

11:45-12:45 CC7.A UROLOGY

A. ULTRASOUND OF THE KIDNEY AND BLADDER

Moderators: **J. Tuma - J. Carlsen**

1. Imaging the kidney and bladder - **K. Chamalakis**
2. Renal arterial evaluation - **Th. Anastasiadi**
3. Imaging patients with renal colic - **J. Tuma**
4. Interventional Renal Ultrasonography - **T. El-Diasty**

12:45-13:00 Q & A

14:00-15:00 CC7.B UROLOGY

B. RENAL ULTRASONOGRAPHY CURRENT ROLE

Moderators: **J. Varkarakis - M. Vlychou**

1. Renal Malignant Tumors. - **I. Anastasiou**
2. Renal Benign Tumors - **Ch. Tzimas**
3. Elastography in Renal Disease - **J. Carlsen**

15:00-16:00 CC7.C UROLOGY

C. PROSTATE

Moderators: **F. Takis - P. S. Zoumpoulis**

1. Ultrasound Equipment and Techniques - **S. Tsantis**
2. Hyperplasia and Infection - **P. Philis**
3. Prostate Cancer - **F. Drudi**
4. Elastography of the Prostate - **P. S. Zoumpoulis**

16:00-16:15 Q & A

16:15-16:45 COFFEE BREAK

16:45-17:45 CC7.D UROLOGY

D. ULTRASOUND IN END-STAGE RENAL FAILURE

Moderators: **M. Chrisofos - I. Giatras - F. Drudi**

1. CEUS in kidney disease - **J. Tuma**
2. US in evaluation of kidney transplant - **J. Theotokas**
3. Hemodialysis access: preoperative mapping and assessment of malfunction - **S. Volteas**
4. Percutaneous treatment in hemodialysis access complications - **M. Tsitskari**

17:45-18:00 Q & A

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THALIA 2

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09:00-10:00 RC11.A US PHYSICS

A. US PHYSICS

Moderators: **C. De Korte** - **R. De Knegt**

1. Vector Flow Imaging: where are we now? - **Kr. L. Hansen**
2. Artifacts in sonography - **H.R. Schwarzenbach**
3. DCEUS technique for monitoring outcomes of therapies targeting angiogenesis - **M. Averkiou**

10:00-11:00 RC11.B US PHYSICS

B. PHYSICS / CEUS

Moderators: **C. De Korte** - **R. De Knegt**

1. How to measure your US output energy - **Sp. Kotopoulos**
2. Ultrasound-mediated, image-guided drug delivery approaches - **M. Averkiou**
3. CEUS: developments and new applications - **M. Averkiou**
4. Quality assurance in CEUS - **D. Becker**

11:00-11:15 Q & A

11:15-11:45 COFFEE BREAK

11:45-12:45 RC11.C US PHYSICS

C. UPDATE ON ELASTOGRAPHY

Moderators: **R.F. Havre** - **A. Popescu**

1. Reproducibility of strain ratios in strain elastography - **R. F Havre**
2. Common artefacts of strain based elastography - **S. Tsantis**
3. Elastography of the cardiovascular system - **S. Golemati**

12:45-13:00 Q & A

14:00-16:00 RC13 ESNCH

JOINT SESSION WITH THE EUROPEAN SOCIETY OF NEUROSONOLOGY AND CEREBRAL HEMODYNAMICS

Moderator: **E. Bartels**

1. Role of transcranial color duplex sonography in acute stroke - **M. Diomedi**
2. Contrast ultrasound in neurosonology: trick or treat? - **E.Vicenzini**
3. Practical demonstration of Transcranial color-coded duplex ultrasonography (with video projection) - **E. Bartels**
4. Ultrasound in the posterior circulation: shedding light in radiological darkness - **C. Barrachini**

16:00-16:15 Q & A



THALIA 3 & 4

[Program EUROSON 2015]

09:00-11:15 PC7 UROLOGY

UROGENITAL

Moderators: **P. S. Zoumpoulis - J. Tuma**

1. TRUS & Elastography MRI fusion in prostate biopsies - **P. S. Zoumpoulis**
2. Diagnostic TRUS and Elastography of the Prostate - **G. Zacharopoulos**
3. Technique of TRUS guided biopsies: How to avoid complications - **D. Floratos**

11:15-11:45 COFFEE BREAK

11:45-13:00 PC10 INTERVENTIONAL US

Moderators: **V. Souftas - E. Brountzos**

1. Breast - **P. Malakassis**
2. MSK - **N. Barotsis**
3. Upper Abdomen - **N. Ptochis**
4. Cholecystostomy technique - **M. Gravanis**

14:00-16:00 PC2.A OBGYN

A. OBSTETRICS

Moderators: **M. Theodora - M. Eleftheriadis**

1. US in obstetrics / 1st trimester - **G.K. Papaioannou**
2. US in 2nd trimester pregnancies - **M. Theodora**
3. Fetal Heart - **E. Tsapaki**
4. Amniocentesis/ CVS /FBS - **P. Antsaklis**

16:15-16:45 COFFEE BREAK

16:45-17:45 PC3 MSK

Moderator: **C. Ewertsen - E. Cerezo**

1. US Technique and applications of ultrasound in MSK system - **D. Giatrakou**
2. The value of dynamic maneuvers in ultrasound examination - **A. Plagou**
3. Is there a role for US regarding bones? - **D. Papoutsis**

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SATURDAY 7/11 • PROGRAM AT A GLANCE

	TERPSICHORE A	TERPSICHORE B	TERPSICHORE C	ERATO B+C	THALIA 1	THALIA 2	THALIA 3 & 4
09:00-10:00	YOUNG INVESTIGATORS AWARD Session 09:00-10:30	RC2.A OBGYN A. SCREENING IN OBSTETRICS	ESR / EFSUMB Joint Session 09:00-10:30	CC5.A UPPER ABDOMEN A. UPPER ABDOMEN IMAGING I	WS1 ROMANIA MEETS GREECE SKIN AND NERVE ULTRASONOGRAPHY	RC4.A CV A. LATEST ADVANCES IN CARDIOVASCULAR ULTRASOUND	PC1 BREAST
10:00-11:00	IUS Session 10:30-11:00	RC2.D OBGYN D. ULTRASOUND IN HIGH RISK PREGNANCY		CC5.B UPPER ABDOMEN B. UPPER ABDOMEN IMAGING II		RC4.B CV B. PREVENTION AND MONITORING OF CARDIOVASCULAR DISEASE: THE ROLE OF US	
11:00-11:15		Q&A		Q&A		Q&A	
11:15-11:30	C O F E B R E A K						
11:30-12:30	IUS Session (continuity)	RC2.C OBGYN C. US GUIDED INVASIVE DIAGNOSTIC AND THERAPEUTIC PROCEDURES DURING PREGNANCY	RC3.A MSK US A. PAEDIATRICS	CC5.C UPPER ABDOMEN C. UPPER GI TRACT	Exclusive Workshop Sponsored by EFUMB		PC4 CV
12:30-13:30	CEUS Session		RC3.B MSK US B. PERCUTANEOUS TREATMENT OF CHRONIC BACK PAIN AND SCIATICA	CC5.D UPPER ABDOMEN D. LOWER GI TRACT		RC4.C CV C. CARDIAC ULTRASOUND FOR NON-CARDIOLOGISTS	
13:30-14:30	Lunch Symposium	Sponsored by EFUMB					
14:30-15:30	EFSUMB Joint Committee Session 14:30-16:00		RC3.C MSK US C. OVERUSE INJURIES IN SPORT: A MULTIMODALITY APPROACH	CC9.A ANESTHESIOLOGY A. CLINICAL APPLICATIONS & EVIDENCE BASED MEDICINE	WS2 LATVIA MEETS GREECE VASCULAR AND PEDIATRICS	RC7.A UROLOGY A. RETROPERITONEAL ANATOMY, VARIANTS AND DISEASES	PC5 UPPER ABDOMEN
15:30-16:30			RC3.D MSK US D. SKIN	CC9.B ANESTHESIOLOGY B. US GUIDED VASCULAR ACCESS		RC7.B UROLOGY B. THE MALE GENITAL SYSTEM	
16:30-16:45			Q&A	Q&A		Q&A	
16:45-17:15	C O F E B R E A K						
17:15-18:15	CC10.A INVUS A. INTERVENTIONAL US - PRINCIPLES AND TECHNIQUES		RC12.A ELASTOGRAPHY A. CLINICAL VALUE OF ULTRASOUND ELASTOGRAPHY	CC9.C ANESTHESIOLOGY C. US GUIDED PERIOPERATIVE HEMODYNAMIC MONITORING		RC7.C UROLOGY C. PROSTATE	PC2.B OBGYN- GYN B. GYNECOLOGY
18:15-19:15	CC10.B INVUS B. INTERVENTIONAL US - CLASSIC PROCEDURES			CC9.D ANESTHESIOLOGY D. INTERVENTIONAL TECHNIQUES (USGIT) FOR CHRONIC PAIN MANAGEMENT		RC7.D UROLOGY D. PEDIATRIC UROLOGY ULTRASOUND	
19:15-19:30	Q&A			Q&A		Q&A	

SATURDAY 7/11

TERPSICHORE **A**

09:00-10:30 YOUNG INVESTIGATORS

AWARD Session

Moderators: A. Săftoiu - OH Gilja

1. Comparative analysis of three sonoelastographic scores for differentiation between benign and malignant cervical lymph nodes
L. M. Lenghel, ROMANIA
2. Radiofrequency Ablation of Benign Thyroid Nodules: Clinical Results
A. Kokurcan, TURKEY
3. Intestinal perfusion measurements with CEUS and dynamic contrast enhanced MR enterography: A comparison study
R. Wilkens, DENMARK
4. Multi-Parametric Ultrasonography of Testicular Haematomas: Features on Grey Scale, Colour Doppler, Contrast Enhanced Sonography and Strain Elastography
G. Yusuf, UK
5. Multiparametric Ultrasonography (mpUS) for the characterization of superficial neck masses
S. Malaspina, ITALY
6. Remote ultrasound diagnosis in real time, while being on the move. Enabled using high tech mobile devices
V. Moustakas, GREECE
7. PiCASSo - Palliative Care Assessment of Symptoms in Sonography
J. Wisniewski, POLAND
8. Acoustic characterization of the carotid artery
P. Kruizinga, NETHERLANDS

10:30-11:00 IUS Session (PART 1)

Moderators: O.H. Gilja - G. Maconi

1. How to investigate the intestines with ultrasound - **K. Nylund**
2. Various liquids and meals for distention protocols in GI ultrasound - **N. Pallotta**
3. Intestinal occlusion evaluated by US - **G. Maconi**
4. US in IBD using B-mode and Doppler - **E. Calabrese**
5. Problem solving with IUS- **A. Higginson**
6. US in other inflammatory / infectious bowel disorders - **K. Nylund**

11:15-11:30 COFFEE BREAK

11:30-12:30 IUS Session (PART 2)

*Moderators: K. Nylund - E. Calabrese
(session continuity)*

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12:30-13:30 CEUS Session

Moderators: **Ch.Nolsoe** - **A. Săftoiu**

1. Characterisation of benign focal liver lesions - **C.F. Dietrich**
2. HCC - **F. Piscaglia**
3. CEUS for liver metastases - **V. Cantisani**
4. Small parts applications - **P. Sidhu**

13:30-14:30 Lunch Symposium

Sponsored by

CEUS in Clinical Practice

Chairman: **C.F. Dietrich**



Contrast enhancement in interventional Ultrasound -
Evidence from the new EFSUMB guidelines - **C. F. Dietrich**
CEUS of focal liver lesions: in which patients, in which clinical settings? - **D. Cokkinos**
Enhancement pattern of focal liver lesions - presentation of an interactive diagnostic atlas - **H. Kinkel**

14:30-16:00 EFSUMB Joint Committee Session

Moderators: **M.B. Nielsen** & **V. Cantisani**

1. Paediatric Registry Status - **C.F. Dietrich**
2. Safety in the use of Contrast Agents in Paediatrics - **C. Serra**
3. Emergency US in acute paediatric care - **Z. Harkanyi**
4. Interventional Ultrasound in Paediatric Arthritis - **C. Strandberg**
5. Interventional Ultrasound in Fetal Medicine - **N. Papantoniou**
6. CEUS in Paediatrics - **P. Sidhu**

16:45-17:15 COFFEE BREAK

17:15-18:15 CC10.A INVUS

A. INTERVENTIONAL US - PRINCIPLES AND TECHNIQUES

Moderators: **El. Brountzos** - **P.S. Sidhu**

1. EFSUMB Interventional ultrasound guidelines - **C.F. Dietrich**
2. Technical guide to US-guided biopsy - **N. Nates Uribe**
3. CEUS coupled with fusion imaging for interventional procedures - **G. Mauri**
4. EUROSON LECTURE - INTERVENTIONAL ULTRASOUND, 2015 UPDATE - **T. Lorentzen**

18:15-19:15 CC10.B INVUS

B. INTERVENTIONAL US - CLASSIC PROCEDURES

Moderators: **N.Ptochis** - **P.S. Sidhu**

1. US guided interventions in the Liver and Bile ducts - **N. Ptochis**
2. US-guided liver abscess drainage - **A. Popescu**
3. US-guided ablation - **L. Appelbaum**

19:15-19:30 Q & A



TERPSICHORE B

[Program EUROSON 2015]

09:00-10:00 RC2.A OBGYN

A. SCREENING IN OBSTETRICS

Moderators: T. Stefos - G. Dekavalas

1. What should not be missed from fetal anatomy in the 1st trimester - **E. Asimakopoulos**
2. The first trimester scan: time for a rethink - **T. Overton**
3. Screening for preterm delivery - **G. Makrydimas**
4. Evaluation of cervix during pregnancy and labor with elastography - **A. Domali**

10:00-11:00 RC2.D OBGYN

D. ULTRASOUND IN HIGH RISK PREGNANCY

Moderators: E. Asimakopoulos - N. Papantoniou

1. Screening of Pre-eclampsia in the First Trimester - **V. Bakoulas**
2. Ultrasound for Fetal Growth/IUGR - **A. Sotiriadis**
3. Placenta ; Umbilical Cord; Amniotic Fluid - **V. Michalitsi**
4. Management of CNS malformations by US and MRI - **A. Antsaklis**
5. Ultrasonography in the diagnosis of single gene disorders - **S. Sifakis**

11:00-11:15 Q & A

11:15-11:30 COFFEE BREAK

11:30-12:30 RC2.C OBGYN

C. US GUIDED INVASIVE DIAGNOSTIC AND THERAPEUTIC PROCEDURES DURING PREGNANCY

Moderators: G. Daskalakis - G. Makrydimas

1. Amniocentesis vs CVS - **M. Theodora**
2. Fetal Blood Sampling and intrauterine transfusions - **P. Antsaklis**
3. Sonographic Evaluation & Management in TTTS - **J. Tziotis**
4. Shunting in Pleural effusions CCAM - **G.K. Papaioannou**
5. Us Guided Invasive Procedures in Fetal Obstructive Uropathy - **N. Papantoniou**

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09:00-10:30 ESR / EFSUMB Joint Session

ADVANCES IN DIAGNOSTIC ULTRASOUND: BETTER RESULTS THROUGH INTEGRATION

Moderator: P.S. Sidhu - C. Nolsoe

1. Diagnosis, characterisation and staging of tumours of the female pelvis - **D.de Friend**
2. Using CT/MRI - **M. Radzina**
3. Diagnosis, characterisation and staging of renal tumours - **S. Freeman**
4. Using CT/MRI - **N. Grenier**
5. Diagnosis, characterisation and staging of liver tumours - **C. Nolsoe**
6. Using CT/MRI - **V. Cantisani**

11:15-11:30 COFFEE BREAK

11:30-12:30 RC3.A MSK US

A. PAEDIATRICS

Moderators: M. Papadogiannis - E. Cerezo - C. Strandberg

1. Paediatric MSK Ultrasound - **Ch. Strandberg**
2. US of the congenital hip dislocation - **K. Chlapoutakis**
3. US in the assessment of juvenile idiopathic arthritis - **V. Dermentzoglou**

12:30-13:30 RC3.B MSK US

B. PERCUTANEOUS TREATMENT OF CHRONIC BACK PAIN AND SCIATICA

Moderators: El. Brountzos - M.B. Nielsen

1. A. Sacroiliac joint syndrome - **G. Kampakis**
2. The role of ultrasound in nerve entrapment syndromes: accurate diagnosis and interventional therapeutic procedures - **M. Malahias**
3. US guided intervention for back pain - **N. Barotsis**

14:30-15:30 RC3.C MSK US

C. OVERUSE INJURIES IN SPORT: A MULTIMODALITY APPROACH

Moderators: E. Chronopoulos - C. Ewertsen - S. Spyrou

1. Overuse injuries in the elbow - **N. Kyriakopoulos**
2. The knee: patterns of injury - **G. Delimpasis**
3. Soft tissue injuries in the athlete's lower leg and ankle - **D. Papoutsis**

15:30-16:30 RC3.D MSK US

D. SKIN

Moderators: A. Stratigos - R. Badea

1. The oncologist view - **M. Bakogiorgos**
2. Cutaneous Ultrasonography - **F. Alfageme**
3. US in skin Oncology - **M. Crisan**

16:30-16:45 Q & A

16:45-17:15 COFFEE BREAK



17:15-18:15 RC12.A **ELASTOGRAPHY**

A. CLINICAL VALUE OF ULTRASOUND ELASTOGRAPHY

Moderators: A.N. Chalazonitis - A. Săftoiu

1. Thyroid - **A. N. Chalazonitis**
2. Breast - **Ch. Gkali**
3. Liver - **I. Theotokas**
4. Prostate - **G. Zacharopoulos**

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09:00-10:00 CC5.A UPPER ABDOMEN

A. UPPER ABDOMEN IMAGING I

Moderators: **A. Antoniou** - **D. Nuernberg** - **I. Tzovara**

1. Normal Ultrasound Anatomy of the Upper Abdomen/Step by Step - **G. Tsimitselis**
2. Focal benign liver lesions - **K. Chatzimichail**
3. Gold Standard US Visualization of Upper Abdomen Pathology - **K. Tavernaraki**

10:00-11:00 CC5.B UPPER ABDOMEN

B. UPPER ABDOMEN IMAGING II

Moderators: **I. Sporea** - **F. Piscaglia** - **K. Kyriakopoulou**

1. WFUMB LECTURE - Point of care ultrasound in liver disease for the modern hepatologist - **F. Piscaglia**
2. US in Clinical Hepatology - **R. de Knecht**
3. Infectious Diseases - **A. Kabaalioglu**

11:00-11:15 Q & A

11:15-11:30 COFFEE BREAK

11:30-12:30 CC5.C UPPER ABDOMEN

C. UPPER GI TRACT

Moderators: **O.H. Gilja** - **G. Maconi**

1. The amazing role of Ultrasound in GI diseases - **CF Dietrich**
2. Role of Ultrasound in Diagnosis Functional GI Disorders - **G. Maconi**
3. Ultrasonography of the Stomach - **OH Gilja**
4. Endosonography in Benign Anorectal Diseases - **G. Székely**

12:30-13:30 CC5.D UPPER ABDOMEN

D. LOWER GI TRACT

Moderators: **J. Triantafyllidis** - **K. Vagianos** - **Ch. Pouliasi**

1. Ultrasonography and CEUS in Crohn's Disease - **OH Gilja**
2. Appendicitis: Is Routine Ultrasound State of the Art? - **G. Maconi**
3. Ultrasonography in Diverticulitis: Do we Need Anything Else? - **D. Nuernberg**
4. Ultrasonography and CEUS in Follow-up in Inflammatory Bowel Disease - **K. Nylund**

14:30-15:30 CC9.A ANESTHESIOLOGY

A. CLINICAL APPLICATIONS & EVIDENCE BASED MEDICINE IN US GUIDED REGIONAL ANESTHESIA

Moderators: **P. Matsota** - **D. Valsamidis**

1. In Ambulatory Anesthesia - **T. Sidiropoulou**
2. In Orthopedic Anesthesia - **M. Papaioannou**
3. In Obstetric Anesthesia - **S. Hatzilia**
4. In Pediatric Anesthesia - **E. Garini**



15:30-16:30 CC9.B ANESTHESIOLOGY

B. US GUIDED VASCULAR ACCESS

Moderators: **A. Pandazi - A. Alevizou**

1. US Guided Central Venous Cannulation - **K. Stroumpoulis**
2. US Guided Peripheral Venous Cannulation - **P. Stratigopoulou**
3. US Guided Arterial Cannulation - **E. Evodia**
4. US Guided Vascular Access in Children - **G. Nikolaidou**

16:30-16:45 Q & A

16:45-17:15 COFFEE BREAK

17:15-18:15 CC9.C ANESTHESIOLOGY

C. US GUIDED PERIOPERATIVE HEMODYNAMIC MONITORING

Moderators: **T. Antoniou - K. Patris**

1. Intraoperative Transthoracic Echocardiography - **P. Kouki**
2. Intraoperative Transesophageal Echocardiography - **M. Balanika**
3. Extended Focused Assessment Sonography in Trauma (E-FAST) in Emergency Department - **C. Iordanou**
4. The role of Echocardiography in ICU patients - **M. Papa**

17:15-18:15 CC9.D ANESTHESIOLOGY

D. US GUIDED INTERVENTIONAL TECHNIQUES (USGIT) FOR CHRONIC PAIN MANAGEMENT

Moderators: **I. Kouroukli - C. Batistaki**

1. Why Ultrasound? - **E. Theodorou**
2. USGIT for Stellate Ganglion Blockade and Cervical Spine Chronic Pain - **L. Theocharis**
3. USGIT for Chronic Pain Management in Trunk - **L. Theocharis**
4. USGIT for Chronic Pain Management in Upper and Lower Limbs - **E. Antonopoulou**

19:15-19:30 Q & A

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09:00-11:15 WS1 ROMANIA MEETS GREECE

SKIN AND NERVE ULTRASONOGRAPHY

Moderators: **R. Badea** - **P.S. Zoumpoulis**

1. Skin Ultrasonography - **R. Badea**
2. US and aging of the skin and cosmetology - **M. Crisan**
3. Ultrasound guided nerve blocks: should we write better with this golden pen? - **A.H. Onutu**
4. Ultrasound vs nerve stimulator: 2 late 2 debate?! - **A. Grunfeld**

11:15-11:30 COFFEE BREAK

11:30-13:30 Exclusive Workshop

Sponsored by

3D Automated Breast Ultrasound (ABUS) as an adjunct to digital mammography for screening women with dense breast tissue: from a clinical need to a practical integration- including Live scanning session

Presentation and interactive Workshop led - **L. Tabár**

Limited to 30 Participants



14:30-16:30 WS2 LATVIA MEETS GREECE

VASCULAR AND PEDIATRICS

Moderators: **M. Radzina** - **P.S. Zoumpoulis**

1. Hydronephrosis in pediatric patients - **I. Apine**
2. Thoracic outlet syndrome - **M. Radzina**
3. Endoleak evaluation after EVAR using US, CEUS and CTA - **N. Ezite**
4. How I perform venus US of the legs - **M. Radzina**



09:00-10:00 RC4.A CV

A. LATEST ADVANCES IN CARDIOVASCULAR ULTRASOUND

Moderators: **G. Athanasopoulos - C. De Korte**

1. Vector Flow Imaging - **K.L. Hansen**
2. Novel technologies in Cardiac Ultrasound - **G. Athanasopoulos**
3. Vascular Ultrasound Elastography - **C. De Korte**
4. Characterization of the vulnerable plaque with IVUS, OCT - **K. Toutouzas**

10:00-11:00 RC4.B CV

B. PREVENTION AND MONITORING OF CARDIOVASCULAR DISEASE: THE ROLE OF US

Moderators: **I. Mastorakou - B. Brkljačić**

1. The cardiovascular disease: a personal burden and its projection at the national health systems - **I. Mastorakou**
2. Stratification of Coronary Artery Disease - **M. Rees**
3. Carotid US: The vulnerable plaque - **K. Chatzimichail**
4. Monitoring Peripheral arterial disease - **G. Geroulakos**

11:00-11:15 Q & A

11:15-11:30 COFFEE BREAK

12:30-13:30 RC4.C CV

C. CARDIAC ULTRASOUND FOR NON-CARDIOLOGISTS

Moderators: **J. Lekakis - B. Brkljačić**

1. The role of cardiac ultrasound in the ER - **I. Ikonomidis**
2. The paediatric patient - **S. Apostolopoulou**
3. The Aorta: one vessel, multiple approaches - **V. Ninios**
4. Valvular disease: many valves, one approach - **D. Tsiapras**

14:30-15:30 RC7.A UROLOGY

A. RETROPERITONEAL ANATOMY, VARIANTS AND DISEASES

Moderators: **Ch. Kalogeropoulou - E. Cerezo - K. Samikos**

1. Retroperitoneal Ultrasonographic Anatomy - **A. Ntorkou**
2. US of adrenal gland - **D. Dimitroulis**
3. Fluid Collections - **A. Tsili**
4. Malignant Tumors: Difference between adults and children - **P. Galina**

15:30-16:30 RC7.B UROLOGY

B. The Male Genital System

Moderators: **G. Alivizatos - F. Zatura**

1. Ultrasonography of the Prostate - **G. Zacharopoulos**
2. Ultrasonography of Scrotal Tumors - **T. Stergiouda**
3. Male Infertility. The Role of Ultrasound - **S. Deftereos**

16:30-16:45 Q & A

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THALIA 2

[Program EUROSON 2015]

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16:45-17:15 COFFEE BREAK

17:15-18:15 RC7.C UROLOGY

C. PROSTATE

Moderators: **D. Mitropoulos - F. Zatura**

1. What the urologist expects from US? - **K. Stravodimos**
2. Hyperplasia and Infection - **E. Chalatsi**
3. PrCa - **P. S. Zoumpoulis**
4. Histological examination after US-guided biopsy of the Prostate - **L. Kaklamanis**
5. U/S and PRCA modern Radiotherapy (Brachytherapy and External Stereotactic) - **Ch. Boskos**

18:15-19:15 RC7.D UROLOGY

D. PEDIATRIC UROLOGY ULTRASOUND

Moderators: **E. Alexopoulou - Ch. Koumanidou**

1. Normal Anatomy of Pediatric Kidney and Bladder - **A. Mazioti**
2. Congenital Renal Defects - **Ch. Chlapoutaki**
3. Cystic Renal Disease - **M. Vakaki**
4. US contrast agents applications in children - **F. Papadopoulou**

19:15-19:30 Q & A

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THALIA 3 & 4

[Program EUROSON 2015]

09:00-11:15 PC1 BREAST

Moderators: **M. Hahn - D. Dimitroulis**

1. Shear-wave sonoelastography of the Breast - **G. Ivanac**
2. Breast ultrasound in the operation theatre including HIFU - **M. Hahn**
3. Automated Breast Ultrasound and Elastography as screening tools - **S. Lazarou**
4. US in guiding breast surgery - **P. Malakassis**
5. US Guided FNA - **P. Philis**

11:15-11:30 COFFEE BREAK

11:30-13:30 PC4 CV

Moderators: **M. Radzina, K. Pahou, N. Kyriakopoulos, K. Hatzimichail, S. Katsilouli, O. Karapanagiotou, M. Kampanarou**

1. Veins of the lower limbs - **M. Radzina**
2. Renal vasculature - **N. Kyriakopoulos**
3. Postsplenic system - **D. Patsinakidis**

14:30-16:30 PC5 UPPER ABDOMEN

**ULTRASOUND ASSESSMENT OF THE UPPER ABDOMEN AND GI-TRACT
PC / LIVER / INTESTINAL US**

Moderators: **I. Koskinas - O.H. Gilja - G. Maconi**

1. Advances in Intestinal US - **G. Maconi**
2. Pitfalls in liver elastography - **R. Şirli**
3. Operative US in liver surgery - **G. Sotiropoulos**
4. CEUS in the Diagnosis the liver - **S. Giarmenitis**

16:45-17:15 COFFEE BREAK

17:15-19:15 PC2.B OBGYN- GYN

B. GYNECOLOGY

Moderators: **G Daskalakis - A. Domali**

1. 2D 3D Color Doppler Evaluation of the Ovaries - **K Kalmantis**
2. 2D 3D Evaluation of with Color Doppler of the Uterine Body Cervix - **G. Derdelis**
3. Elastography of the Uterine Body and Ovaries - **A. Domali**

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SUNDAY 8/11 • PROGRAM AT A GLANCE

	TERPSICHORE A	TERPSICHORE B	TERPSICHORE C	ERATO B+C	THALIA 1	THALIA 2	THALIA 3 &4
09:00-10:00	STUDENTS Course BASICS IN US	DEGUM Session OBSTETRICS, GYNECOLOGY AND BREAST	CC6.A TRAUMA ICU A. US IN THE EMERGENCY ROOM	CC8.A HEAD & NECK A. ULTRASOUND EVALUATION OF THE THYROID	CC10.C INVUS C. INTERVENTIONAL US - NEW FEATURES	RC5.A UPPER ABDOMEN A. ULTRASONOGRAPHIC, EMERGING TECHNOLOGIES OF THE ABDOMEN	PC9 US IN ANESTHETIC PRACTICE
10:00-11:00			CC6.B TRAUMA ICU B. FAST AND TRAUMA	CC8.B HEAD & NECK B. ULTRASOUND EVALUATION OF THE NECK	CC10.D INVUS D. INTERVENTIONAL US - SPECIAL FOCUS	RC5.B UPPER ABDOMEN B. CHRONIC LIVER DISEASE	
11:00-11:15		Q&A	Q&A	Q&A	Q&A	Q&A	
11:15-11:45	C O F F E B R E A K						
11:45-12:45	Satellite Symposium Sponsored by 	RC12.B ELASTOGRAPHY B. TECHNOLOGY OF ELASTOGRAPHY	RC9.A ANESTHESIOLOGY A. US GUIDED REGIONAL ANESTHESIA	RC8.A HEAD & NECK A. PEDIATRIC HEAD AND NECK	CC10.E INVUS E. INTERVENTIONAL US OF THE PROSTATE	RC5.C UPPER ABDOMEN C. ULTRASOUND OF THE PANCREAS AND THE BILE DUCTS: UPDATE AND CONTROVERSIES	PC6 TRAUMA ICU
12:45-13:45		RC12.C ELASTOGRAPHY C. NEW INDICATIONS IN NON LIVER USE OF ELASTOGRAPHY	RC9.B ANESTHESIOLOGY B. US GUIDED PEDIATRIC REGIONAL ANESTHESIA	RC8.B HEAD & NECK B. TOWARDS A MORE SOPHISTICATED USE OF ULTRASOUND IN THE NECK AREA	RC10.A INVUS A. INTERVENTIONAL ULTRASOUND FOR THE PROSTATE CANCER	RC5.D UPPER ABDOMEN D. ELASTOGRAPHY	
13:45-14:00		Q&A	Q&A	Q&A	Q&A	Q&A	
14:00-15:00	Satellite Symposium Sponsored by 						
15:00-16:00		STUDENTS Practical Course BASIS ULTRASOUND	RC6.A TRAUMA ICU A. US IN POLYTRAUMA		RC10.B INVUS B. KIDNEY	RC5.E UPPER ABDOMEN E. PEDIATRIC GI ULTRASOUND	PC8 HEAD & NECK
16:00-17:00	Closing Ceremony		RC6.B TRAUMA ICU B. POINT OF CARE IN TRAUMA PATIENT		RC10.C INVUS C. UPDATE ON BILIARY INTERVENTIONS		
17:00-17:15			Q&A		Q&A		

SUNDAY 8/11

TERPSICHORE A

09:00-11:15 STUDENTS Course - Basics in US

The Education of Hellenic Medical Students on the Ultra Sound

Moderators: **E. Brountzos - A.N. Chalazonitis - P. Patias**

1. Ultrasound: From wave physics to Medicine
E. Batsidis - K. Efthymiou
2. Diagnostic and therapeutic applications on ultrasound
M. Ioannidi - R. Patras
3. The training of medical students on ultrasound - from theory to practice
K. Iliakopoulos - D. Dimopoulos
4. Simulation: a new educational perspective on the study of ultrasound
E. Delavogia - D. Ntentakis
5. What medical students expect from their education on ultrasound
M. Moutafi - A. Gakopoulos
6. The auxiliary specialized paramedical staff in the education of medical students on ultrasound
P. Papadopoulos

11:15-11:45 COFFEE BREAK

11:45-12:45 Exclusive Workshop

Sponsored by

Hands-on symposium for thyroid RFA

Speaker: **J. H. Baek**

cana
LABORATORIES

14:00-15:00 Satellite Symposium

Sponsored by

Ultrasound New Dimensions

Chairman: **N. Lassau**

TOSHIBA
Leading Innovation >>>

SMI as an Essential Tool in Daily Routine - **H. Kinkel**

Role of dynamic contrast enhanced US in characterization and therapy of tumors -

N. Lassau

Reliability and Accuracy of Elastography - **V. Cantisani**

16:00-17:15 Closing Ceremony

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TERPSICHORE B

[Program EUROSON 2015]

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09:00-11:00 **DEGUM** Session

OBSTETRICS, GYNECOLOGY AND BREAST

Sonography of the pelvis - an update

U. Peisker

Which sonographic criteria do really matter for benign/malignant breast lesions?

M. Hahn

What to do when sonographic criteria of the breast are nondistinctive?

U. Peisker

Abnormal serum biochemistry in the first Trimester - it is not always trisomy!

K. O. Kagan

Diagnosing fetal cardiac defects - the top 5 and their variants

Ch. Berg

Diagnosing fetal non-chromosomal syndromes - is there a comprehensive approach?

K. O. Kagan

Fetal Therapy - where are we after 30 years of progress?

Ch. Berg

11:00-11:15 **Q & A**

11:15-11:45 **COFFEE BREAK**

11:45-12:45 **RC12.B ELASTOGRAPHY**

B. TECHNOLOGY OF ELASTOGRAPHY

Moderators: **I. Sporea** - **Ch. F. Dietrich**

1. Technology and Principles - **F. Calliada**

2. Common Artefacts - **R.F. Havre**

3. Superficial Organs - Strain & Shearwave Elastography - **V. Cantisani & D. Cosgrove**

4. Which technology for liver evaluation - **I. Sporea**

12:45-13:45 **RC12.C ELASTOGRAPHY**

C. NEW INDICATIONS IN NON LIVER USE OF ELASTOGRAPHY

Moderators: **I. Sporea** & **R.F. Havre**

1. Small bowel & Pancreas - **R.F. Havre**

2. Kidney and lymph nodes - **J. Carlsen**

3. Endocavitational applications - prostate - **A. Săftoiu**

4. Growing and emerging applications - just strain or just shear wave - testis - **P. Sidhu**

5. Growing and emerging applications - just strain or just shear wave- cervix & MSK - **C. Ewertsen**

13:45-14:00 **Q & A**



TERPSICHORE **B**

[Program EUROSON 2015]

15:00-17:15 STUDENTS Practical Course

BASIC ULTRASOUND

Moderators: A.N. Calazonitis, Ch. Chrelas, K. Pahou

1. Step by Step Ultrasound of the Thyroid - **S. Papacostas**
2. Step by Step FAST- **Ch. Kolofousi**
3. Step by Step GYN Ultrasound - **G.K. Papaioannou**
4. Step by Step Upper and Lower Abdomen - **K. Lourmbakou**

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TERPSICHORE C

[Program EUROSON 2015]

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09:00-10:00 CC6.A TRAUMA ICU

A. US IN THE EMERGENCY ROOM

Moderators: **A. Armaganidis - M. Brvar - G. Mathis**

1. US in the Emergency Room - **Ch. Spyropoulos**
2. Emergency ultrasound in female pelvic pain and abnormal uterine bleedings - **S. Puu**
3. CEUS in Emergency Ultrasound - **D. Becker**
4. Pneumonia and other Chest Diseases - **G. Mathis**

10:00-11:00 CC6.B TRAUMA ICU

B. FAST AND TRAUMA

Moderators: **Th. D. Liakakos - G. Mathis - D. Becker**

1. The Fast Scan - **Ch. Spyropoulos**
2. E-Fast (Extended FAST - Thoracic Trauma, Long Bones) - **K. Chamalakis**
3. Shock Resuscitation Ultrasound (IVC assessment) - **K. Fountoulaki**
4. CEUS in abdominal trauma - **D. Cokkinos**

16:00-16:15 Q & A

16:15-16:45 COFFEE BREAK

11:45-12:45 RC9.A ANESTHESIOLOGY

A. US GUIDED REGIONAL ANESTHESIA

Moderators: **C. Chantzi - Z. Gampopoulou**

1. US Guided Upper Limb Blocks - **T. Sidiropoulou**
2. US Guided Lower Limb Blocks - **A. Douma**
3. US Guided Central Blocks - **T. Paraskevopoulos**
4. US Guided Truncal Blocks - **A. Makris**

12:45-13:45 RC9.B ANESTHESIOLOGY

B. US GUIDED PEDIATRIC REGIONAL ANESTHESIA

Moderators: **E. Kalliardou - A. Malisiova**

1. US Guided Iliioinguinal/Iliohypogastric Nerve and Rectus Sheath Block: pearls and pitfalls in Pediatric Anesthesia - **D. Economopoulos**
2. US Guided TAP Block in Children: catching the right plane - **P. Priftaki**
3. US Guided Upper Limb Blocks in Children: tips and tricks to improve the clinical practice - **K. Armeni**
4. Commonly used US Guided Lower Limb Blocks in Children Anesthesia - **E. Garini**

13:45-14:00 Q & A



15:00-16:00 RC6.A TRAUMA ICU

A. US IN POLYTRAUMA

Moderators: **G. Mathis - F. Piscaglia - A. Mariolis**

1. Vascular Trauma - **Ch. Verikokos**
2. Chest Trauma - **K. Boursiani**
3. Abdominal Trauma - **Ch. Spyropoulos**
4. US guided nerve blocks in trauma analgesia - **V. Fyntanidou**

16:00-17:00 RC6.B TRAUMA ICU

B. POINT OF CARE IN TRAUMA PATIENT

Moderators: **C. Rountas - G. Mathis**

1. Lung Ultrasound and the acutely dyspneic patient. A clinical approach - **T. Raptakis - G. Papadaki**
2. Acute Lower Abdominal Pain. Ultrasonography Value - **G. Mathis**
3. Role of Ultrasound in Pleural Diseases- **I. Kalomenidis**
4. Renal Interventional Radiology with Ultrasound guidance: Indications, Methods, Complications - **E. Giannakos**

17:00-17:15 Q & A

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ERATO B+C

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09:00-10:00 CC8.A HEAD & NECK

A. ULTRASOUND EVALUATION OF THE THYROID

Moderators: **K. Revenas - D. Gaitini - G. Mauri**

1. Thyroid Ultrasound: Scanning Technique and Anatomy - **M. Secil**
2. Thyroid Ultrasound: Diffuse Disease - **A. Chrysanthopoulou**
3. Thyroid Ultrasound: Nodules - **A. Attard**
4. Current guidelines for the management of thyroid nodules-
K. Mastorakos

10:00-11:00 CC8.B HEAD & NECK

B. ULTRASOUND EVALUATION OF THE NECK

Moderators: **I. Giotakis - G. Ivanac - G. Mauri**

1. Parathyroid and Other Neck Masses Ultrasound - **A. Andrianaki**
2. Salivary Glands (Sublingual, Submandibular, and Parotid) Ultrasound - **K. Vlachos**
3. Ultrasonographic Approach of Neck Lymph Nodes - **K. Boursiani**

11:00-11:15 Q & A

11:15-11:45 COFFEE BREAK

11:45-12:45 RC8.A HEAD & NECK

A. PEDIATRIC HEAD AND NECK

Moderators: **N. Evlogias - M. Secil - M. Argyropoulou**

1. Neonatal Brain - **M. Argyropoulou**
2. Ultrasound of Neonatal Neck Masses - **S. Deftereos**
3. Ultrasound of Pediatric Thyroid - **V. Xydis**
4. Investigating Enlarged Cervical Lymph Nodes - **A. Kanavaki**

12:45-13:45 RC8.B HEAD & NECK

B. TOWARDS A MORE SOPHISTICATED USE OF ULTRASOUND IN THE NECK AREA

Moderators: **D. Gaitini - V. Cantisani**

1. Thyroid Nodules Elastography - **A. Zourla**
2. Ultrasound-guided Ablation of Benign Thyroid Nodules - **M. Gkeli**
3. The Parathyroid Glands - **P. Papantoniou**

13:45-14:00 Q & A



THALIA 1

[Program EUROSON 2015]

09:00-10:00 CC10.C INVUS

C. INTERVENTIONAL US - NEW FEATURES

Moderators: *L. Appelbaum - C.F.Dietrich - V. Souftas*

1. DEGUM LECTURE - CEUS in combination with endoscopic ultrasound - **D. Becker**
2. CEUS and Interventional US - **T. Lorentzen**
3. Fusion Imaging in US-guided diagnoses and interventions - **G. Sakas**
4. New developments for tumor tissue ablation - **C. Serra**

10:00-11:00 CC10.D INVUS

D. INTERVENTIONAL US - SPECIAL FOCUS

Moderators: *C.F. Dietrich - A. Săftoiu*

1. Interventional US in hydatid cysts - **A. Kabaalioğlu**
2. US-guided drainage of pancreatic fluid collections- **A. Săftoiu**
3. Anesthesia in Interventional Ultrasound - **B. Brkljacic**
4. Thyroid and parathyroid adenoma ablation - **C. Yucel**

11:00-11:15 Q & A

11:15-11:45 COFFEE BREAK

11:45-12:45 CC10.E INVUS

E. INTERVENTIONAL US OF THE PROSTATE

Moderators: *A. Kelekis- P.S. Zoumpoulis*

1. Histoscanning and elastography in small prostate cancer detection - **F. Zatura**
2. USCA for angiogenesis in Prca - **M. Mischi**
3. TRUS and Elastography guided Prostate biopsy -**G. Zacharopoulos**

12:45-13:45 RC10.A INTERVENTIONAL US

A. INTERVENTIONAL ULTRASOUND FOR THE PROSTATE CANCER

Moderators: *F. Zatura - C. Serra*

1. TRUS and Elastography guided Prostate biopsies - **P. Philis**
2. Prostate Cancer Brachytherapy - **V. Skouteris**
3. HiFu of Prostate Cancer -**M. Emberton**

13:45-14:00 Q & A

15:00-16:00 RC10.B INVUS

B. KIDNEY

Moderators: *S. Freeman - M. Wuestern*

1. Interventions on kidneys: The contemporary role of renal mass US guided biopsy- **S. Freeman**
2. The dilemma of preablation biopsy- to do or not to do? - **L. Appelbaum**
3. Fusion imaging and navigation - Real help or a nice toy? - **M. Wuestner**

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THALIA 1

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16:00-17:00 RC10.C INVUS

C. UPDATE ON BILIARY INTERVENTIONS

Moderators: **A. Săftoiu - A. Popescu**

1. Interventions after liver transplantation - **C. Serra**
2. Interventions guided by Endoscopy - **J. Karoubalis**
3. Interventions guided by endoscopic US and Elastography - **I. Papanikolaou, I. Kalliakmanis**

13:45-14:00 Q & A



09:00-10:00 RC5.A UPPER ABDOMEN

A. ULTRASONOGRAPHIC EMERGING TECHNOLOGIES OF THE ABDOMEN

Moderators: **F. Piscaglia - R.F. Havre**

1. 3D Ultrasound in Portal Hypertension - **G. Székely**
2. Ultrasound-guided Treatment of HCC - **F. Piscaglia**
3. Shear Wave Elastography (ElastPQ) Tool in Complex Evaluation of Chronic Liver Disease - **J. Tuma**

10:00-11:00 RC5.B UPPER ABDOMEN

B. CHRONIC LIVER DISEASE

Moderators: **Ir. Vafiadi - F.Piscaglia - L. Appelbaum**

1. Ultrasound in Hepatology: from Qualitative to Quantitative Diagnostics - **R. de Kneegt**
2. Ultrasound Surveillance in Liver Cirrhosis - **L. Appelbaum**
3. Elastography for the diagnosis of portal hypertension in cirrhosis - **R. Şirli**
4. ARFI Elastography in Chronic Liver Disease - **J. Schmilevitch**

11:00-11:15 Q & A

11:15-11:45 COFFEE BREAK

11:45-12:45 RC5.C UPPER ABDOMEN

C. ULTRASOUND OF THE PANCREAS AND THE BILE DUCTS: UPDATE AND CONTROVERSIES

Moderators: **A. Mahairas - A. Săftoiu - Y.A. Stepanova**

1. Pancreatic Neoplasms. The Role of Ultrasonography - **D. Dimitroulis**
2. CEUS in Focal Pancreatic Masses - **A. Săftoiu**
3. EUS in pancreatic and bile system diseases - **D. Becker**
4. Ultrasound findings in Primary Sclerosing Cholangitis - **OH Gilja**

12:45-13:45 RC5.D UPPER ABDOMEN

D. ELASTOGRAPHY

Moderators: **G. Kouraklis - A. Săftoiu - A. Lim**

1. Elastography - State-of-the Art: Where are we Now? - **A. Lim**
2. Strain Imaging and Elastography in Digestive Diseases - **OH Gilja**
3. Pitfalls in Liver Elastography - **R. Şirli**

13:45-14:00 Q & A

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THALIA 2

[Program EUROSON 2015]

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15:00-16:00 RC5.E UPPER ABDOMEN

E. PEDIATRIC GI ULTRASOUND

Moderators: M. Zarifi - S. Lafogianni

1. Normal Anatomy - **V. Bizimi**
2. Pyloric Stenosis - **M. Raissaki**
3. Intussusception - **G. Karapostolakis**
4. Appendicitis - **G. Papaioannou**

16:00-16:15 Q & A



THALIA 3 & 4

[Program EUROSON 2015]

09:00-11:15 PC9 US IN ANESTHETIC PRACTICE

US GUIDED CENTRAL VENOUS CANNULATION

Moderators: **K. Christodoulaki - E. Koursoumi**

1. Efficacy and Safety - **A. Douma**
2. Common Pitfalls - **T. Paraskevopoulos**
3. Basic Steps - **T. Saranteas**

11:15-11:45 COFFEE BREAK

11:45-14:00 PC6 TRAUMA ICU

POINT OF CARE, TRAUMA, ICU

Moderators: **D. Karnampatidis - G. Mathis - B. B. Brkljačić**

1. US guided vascular access - **G. Mathis**
2. Non-traumatic emergency CEUS - **D. Cokkinos**
3. Transcranial US (video projection) - **E. Bartels**

15:00-16:15 PC8 HEAD & NECK

Moderator: **V. Cantisani - D. Nuernberg**

1. Elastography of thyroid nodules - **Ch. Gali**
2. Color Doppler and Elastography in cervical lymph nodes - **S. Oktar**
3. US Guided FNA - **P. Philis**

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[e-Posters]

BREAST

P001 Diagnostic performance of Ultrasound and MRI for the evaluation of axillary lymph node after neoadjuvant chemotherapy in breast cancer patients

Tae Hee Kim^{*}, Doo Kyoung Kang

Department of Radiology, Ajou University Hospital, Suwon, South Korea, *correspondence e-mail: taehee78@hanmail.net

P002 Breast cancer screening: evidence of the effect of adjunct ultrasound screening in women with unilateral mammography-negative dense breasts

Atoosa Adibi^{1,2*}, Maryam Golshahi¹, Mehri Sirus¹, Maryam Moradi¹

¹Department of Radiology, Isfahan University of Medical Sciences, Isfahan, Iran, *a_adibi@med.mui.ac.ir

P003 Observer variability and performance between faculty and residents using the breast imaging reporting and data system-ultrasound, fifth edition

Yu ri Shin¹, Po song Yang², Youn joo Lee^{2*}

Department of Radiology, ¹Incheon St. Mary's hospital, ²Daejeon St. Mary's hospital, College of Medicine, The Catholic University of Korea, Republic of Korea, *joolee7801@catholic.ac.kr

P004 Detectability and usefulness of automated whole breast ultrasound in patients with suspicious microcalcifications on mammography: comparison with handheld breast ultrasound

Jae Jeong Choi^{1*}, Sung Hun Kim², Jin Kyoung Oh³

¹Dongtan Sacred Heart Hospital, Hallym University Medical Center, Hwaseong, Republic of Korea, ²Seoul St. Mary's Hospital, The Catholic University of Korea, Seoul, Republic of Korea, ³Incheon St. Mary's Hospital, The Catholic University of Korea, Incheon, Republic of Korea, cmceeni@gmail.com

P005 Radial scare- The Compar of Ultrasound Breast Imaging with Histopathology

Jana Slobodníková

Faculty of the Health, Alexander Dubček University in Trenčín, Trenčín, Slovak republik, Clinic of Radiology, Trenčín, Slovak republik

P006 The role of ultrasound in the accurate diagnosis of lymphedema of the upper limb women after breast cancer surgery

^{1,2}Jana Slobodníková, ¹Miroslav Černický

¹Faculty of the Health, Alexander Dubček University in Trenčín, Trenčín, Slovakia, ²Clinic of Radiology, Trenčín

P007 Clinical evaluation of a computer-assisted method for automatic quantification of ShearWave Elastography breast exams

S. Lazarou¹, T. Loupas^{2*}

¹ Head of Breast Imaging Department, Metropolitan Hospital, Athens, Greece, ² Chief of Senior Technical Staff, Supersonic Imagine, Aix-en-Provence, France, *thanasis.loupas@supersonicimagine.com

CARDIOVASCULAR

P008 Vascular indices – surrogate markers for left ventricular dysfunction

Zh. Cherneva¹, Z. Kuneva¹ and D. Vasilev^{1*}

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P009 Surrogate markers for obstructive coronary artery disease

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P010 The extra systolic waves evoked by the ultrasound exposure (mechanical index: 1.8) with acoustic radiation force impulse for the rabbit heart under administration of ultrasound contrast agent

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P011 Catheter-related venous thrombus and fibrin sheaths in children with cancer

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P012 Surveillance of Hemodialysis Arteriovenous Fistulas with Vector Flow Imaging Compared to Ultrasound Dilution Technique

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P013 Value of echocardiography in diagnostics of formation a secondary pulmonary hypertension at children with broncho-pulmonary dysplasia

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P014 Right ventricular outflow tract tissue doppler in congestive heart failure

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P015 New simple dopplerographic approach for evaluation of right ventricular systolic function

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P016 Abdominal aortic aneurysm's volume measuring with three-dimensional reconstruction from 2D ultrasound

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P017 Tuberculous-destroyed lung: Echocardiographic assessment of pulmonary hypertension correlated with thoracic imaging parameters

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P018 Body mass index and pulmonary arterial systolic pressure in tuberculous destroyed lung: correlation with survival time

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P019 Monitoring diffuse alveolar hemorrhage using transthoracic lung ultrasound

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P020 Pulmonary embolism complicated with pneumonia and abscesses – ultrasound monitoring

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P021 The use of transthoracic lung ultrasound in monitoring of immunosuppressive therapy

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P022 Non-application of diagnostic algorithms leads to over-performance of lower extremity ultrasound in patients with pulmonary embolism

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P023 Ultrasound detection of spontaneous celiac artery dissection

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P024 Aneurysms of the extracranial portion of the internal carotid artery, as an incidental sonographic finding

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P025 Post-traumatic arteriovenous fistula of the lower extremity

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P026 Strain ultrasound elastography in assessing carotid plaque elasticity: a pilot study

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P027 Ultrasound investigation in complicated prolonged paroxysmal supraventricular tachycardia

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P028 Duplex Ultrasound Versus Computed Tomography For Follow Up Of Complications After Evar With Nellix Endograft: First Clinical Experience

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HEAD AND NECK

P029 Possibility Of Ultrasound In Detecting Of Complications After Lip Augmentation And Contour Correction

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P030 Thyroid Imaging Reporting and Data System (TI-RADS): the impact of Quantitative Strain Elastography for better stratification of cancer risks

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P031 Thyroid imaging reporting and data system (TI-RADS) can reduce the needed number of fine needle biopsies (FNAB)

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P032 Ultrasound imaging with sonoelastography and UBM in diagnostic of basal cell carcinoma of eyelids

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P033 Added value of combined b-mode ultrasound and real-time qualitative elastography for the preoperative diagnosis of cervical metastatic lymph nodes in papillary thyroid carcinoma: comparison with computed tomography

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P034 The importance of performing Thyroid Doppler Ultrasound Screening using TIRADS classification (Thyroid Image Reporting and Data System Classification) along with Strain Elastography, in neighboring countries affected after radioactive disaster from Chernobyl

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P035 Role of ultrasound imaging in assessment of pathologic changes of parathyroid glands in patients with chronic kidney disease

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P036 A lump in the throat – patient anxiety in head and neck ultrasound

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P037 Ultrasound characteristic of the vaccinal reaction of the thymus

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P038 Ultrasonography of thymoma

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P039 Elastic properties of salivary glands in healthy subjects determined with ultrasound Elastoscanner technology

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P040 Sonoelastography findings in DeQuervain's thyroiditis

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P041 Efficacy of contrast-enhanced ultrasonography compared with color Doppler imaging in metastatic cervical lymph nodes of head and neck cancer patients

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P042 Ultrasonographic evaluation of the thyroid gland volume among 8-15-year-old children in Isfahan, Iran

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P043 Acoustic Radiation Force Impulse-Imaging for the differentiation between benign and malignant thyroid nodules: initial report

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P044 Posttraumatic Arteriovenous Malformation of the Neck: B-Mode Sonography, Color Doppler Sonography and MRI Findings

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P045 Real-time shear wave elastography (SWE) in the evaluation of thyroid nodules

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P046 Shear wave velocity measurements using virtual touch IQ for diagnosis of malignant thyroid nodules: a case report

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INTERVENTIONAL US

P047 Performance and safety of repeat core needle biopsy of focal liver lesions: Analysis of 62 cases

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P048 Reduction of amyloid beta plaques by opening the blood brain barrier using focused ultrasound and delivering antibodies in a rabbit model fed with high cholesterol diet

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P049 Diagnostic interventions of small focal liver lesions: us or ct guided biopsy

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P050 Ultrasound-guided pulsed radiofrequency of radial nerve in intractable lateral epicondylitis

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P051 Nationwide implementation of a structured, verified, point-of-care-ultrasound training for internal medicine

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P052 MRI-guided focused ultrasound activated stem cell facilitated blood-brain barrier opening

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P053 How gold is the gold standard method for staging liver fibrosis?

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P054 Ultrasound-guided Injection of Botulinum Toxin-A in the Treatment of Sialorrhoea in Patient with Atypical Parkinson's Disease: Case report

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P055 Treatment of hepatocellular carcinoma meeting the Milan criteria. Retrospective comparison of radiofrequency ablation and resection for lesions treatable by both therapy.

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MSK US

P056 Extensor Digitorum Brevis muscle and adipose footpad evaluation in patients with type II diabetes - ultrasound study

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P057 Ultrasound of 'lumps' in the Hand and Wrist

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P058 Evaluation of the Dimensions of the Structures that make up the Skin, in Young Adult Overweight, Slim and Athletes Ultrasound Evaluation

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P059 A case of chondrocalcinosis – ultrasonographic findings

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P060 Musculotendinous evaluation in patients with shoulder arthroplasty – Ultrasound study

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P061 Assessment of ultrasound and strain elastography in follow-up of inflammatory myopathies

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P062 Detection of secondary ossification centers by Ultrasonography in little children

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P063 Ultrasonography; a usefull bedside test in fracture differential diagnosis. Early experience in a county hospital

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P064 Ultrasound in detecting extraosseous ossification in an ITU patient. A case report

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P065 Extensor pollicis longus rupture. Ultrasonography diagnosis. A case report

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P066 The prevalence of knee osteoarthritis in 100 athletically active military personnel (age 35-55).

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P067 US of peripheral nerve pathology.

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P068 Use of US in evaluation soft tissue masses and MSK emergencies

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OBGYN

P069 Normal reference range of fetal nuchal translucency thickness in Iranian pregnant women in the first trimester, one center study

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P070 Fetal cerebral arterial blood perfusion in normal and high-risk pregnancy

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P071 Umbilical vein vasomotion - detection and measurement by means of 3D-PixelFlux measurements in fetuses of the 17th to 20th gestational week

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P072 A new optically guided freehand 4D-color Doppler ultrasound technique for voxelwise measurement of blood flow volumes (VoxelFlux)

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P073 The role of transvaginal ultrasonography in the evaluation of non gynecological pelvic pathologies

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P074 New horizons of implication of Shear Wave Elastography into Prenatal Practice

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P075 Lung ultrasound assessment in healthy term newborns.

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P076 Ultrasound pattern recognition of ovarian cysts

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P077 Lymphoma characterization, especially when the process is limited, has proven to be difficult.

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P078 Endometrial sonographic appearance before oocyte retrieval is not related with the stimulation protocol and the positive IVF outcome

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P079 Follicular diameter profile at the final ultrasound scan before oocyte recovery in predicting IVF outcome

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P080 Ultrasonographic and biochemical parameters in the prediction of embryo quality during IVF: a retrospective analysis

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P081 Posterior fossa defects: The challenge of sonographic diagnosis, counseling and decision making.

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P082 Contrast Enhanced US in Solid Ovarian Masses

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P083 Fetal megacystis: diagnosis and decision making issues.

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P084 Fetal biometry: factors that influence learning curves

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TRAUMA ICU

P085 Not so FAST – how useful is bedside ultrasound in blunt abdominal trauma?

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P086 Thoracic ultrasound in congestive heart failure; simplified approach

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P087 Transfer from point-of-care ultrasound training to diagnostic performance on patients

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P088 Performance of emergency Contrast Enhanced Ultrasound. Review of a 6 year experience.

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P089 Ultrasound is useful for detecting rib fractures.

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UPPER ABDOMEN

P090 Possibilities of ultrasonography at the stages of the surgical combined liver alveococcosis treatment

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P091 Ultrasonography at the stages of the robot-assisted surgery at spleen focal lesions

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P092 Implementing a Volunteer Sonographer led Hospice based Ultrasound Service – the first two years experience

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P093 Changes of test items and their designated scores in the clinical image evaluation for the quality assurance test of screening ultrasonography of hepatocellular carcinomas in Korea: From 2005 to 2015

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P094 Ultrasonic elastography for fecal loading in adults

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P095 Liver ARFI-elastography in children with iron overload

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P096 Ultrasound assessment of functional dyspepsia in patients with irritable bowel syndrome

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P097 Change of echogenicity in hepatic hemangioma during the Valsalva maneuver

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P098 The reason of ultrasound transducer retirement in a multi-unit radiological department

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P099 Ultrasound quality assurance practices in a multi-unit radiological department

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P100 Evaluation of severity of portal hemodynamic disorders using segmentation analysis

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P101 Hepatic and Splenic ARFI Imaging Findings in Pulmonary Arterial Hypertension

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P102 Ultrasonographic evaluation of the nasogastric tube position using Vscan with Dual Probe

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P103 Ultrasound characteristics of liver cystic echinococcosis in patients from southeastern Rhodope region of Bulgaria

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P104 Doppler Ultrasound along with Strain Elastography as oncology screening methods for detection of the hypervascular tumors with the possibility of analysis of tumor vasculature and stiffness for malignancy

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P105 2D-Shear Wave Elastography as a Non-Invasive Method for Prediction of Esophageal Varices in Patients with Liver Cirrhosis

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P106 Doppler Ultrasound Diagnosis of An Unusual Variant of Median Arcuate Ligament Syndrome: Concomitant Involvement of Both the Celiac and Superior Mesenteric Arteries

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P107 Doppler Acoustic Streaming Phenomenon in Splenic Epidermoid Cysts: Report of 2 Cases in Childhood and Adolescence

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P108 Interobserver study of the bolus-and-burst method for pancreatic perfusion with contrast-enhanced ultrasound

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P109 An Automatic Approach for discrimination of Healthy and Patients with Chronic Liver Disease employing Fuzzy C-Means automatic segmentation in Liver Shear Wave Elastography images.

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P110 Virtual Touch Tissue Quantification (VTQ) Elastography as compared to Liver Biopsy for the evaluation of liver fibrosis

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P111 CONTRAST-ENHANCED ULTRASOUND FOR THE EVALUATION OF MALIGNANT VS. BENIGN FOCAL LIVER LESIONS. A MULTICENTRIC EXPERIENCE

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P112 Contrast enhanced ultrasound for the diagnosis of hemangiomas - results of a Romanian multicentre study

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P113 The value of transabdominal ultrasonography at the onset of acute pancreatitis for predicting severity

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P114 Feasibility of three ultrasound shear wave elastographic methods in overweight and obese patients

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P115 How Relevant Is Contrast-Enhanced Ultrasound In Diagnosis And Characterization Of Portal Vein Thrombosis?

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P116 Feasibility Of Four Ultrasound Shear Wave Elastographic Methods For Liver Stiffness Assessment

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P117 The Ultrasound Meal Accommodation test in 509 patients with functional GI disorders

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P118 Quantitative Real Time Elastography for evaluation of hepatic fibrosis in patients with chronic hepatitis B and C- a prospective bicenter study

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P119 The performance of Point Shear Wave Elastography using Arfi Technique -Elastpg in Chronic Hepatopathies

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P120 Activating Gucy2c Mutation Causes Fluid Stagnation In The Small Bowel

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P121 Isolated Form Of Liver Tuberculosis-Case Report And Review Of The Literature

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P122 Role and place of Abdominal Ultrasound (US) for the diagnosis, treatment and follow-up in cases with intrahepatic and extrahepatic cholangiocarcinoma (IHCC, EHCC). A ten-year experience

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P123 Influence of US contrast agents on spectral Doppler analysis in recipients of liver transplantation

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P124 The value of Contrast Enhanced Ultrasound in imaging pancreatic pathology in correlation to CT and MR

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P125 Not what you expected? Typical and atypical appearances of focal liver lesions on Contrast Enhanced Ultrasound.

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P126 Liver stiffness assessment in healthy subjects using 2D-Shear Wave Elastography implemented on GE LOGIQ E9

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P127 The liver stiffness evaluation by Transient Elastography in diabetes mellitus and NAFLD patients

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P128 CEUS implementation in everyday use for detection and characterization lesions in abdominal organs

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UROLOGY

P129 Ultrasonic diagnostics of cancer of solitary kidney at the stages of the surgical treatment

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P130 Tissue perfusion measurements detect significant diminishment of renal cortical perfusion in children depending on the grade of vesico-ureteral reflux (VUR)

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P131 The assessment of renal parenchymal perfusion in children with vesicoureteral reflux

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P132 Diagnostic Value of Sear Wave Elastography in Testicular Mass Which is Suspected Malignancy

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P133 Predictive Role of Shear Wave Elastography in Infertile Males who Underwent Testicular Sperm Extraction Procedure

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P134 Rare ultrasound appearances of the kidneys- Cinderella's shoe

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P135 The use of the ElastPQ technique in the assessment of the kidneys

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P136 ARFI elastography in the assessment of patients with diabetic kidney disease

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P137 Is there a correlation between shear wave speed measured with ARFI and histological parameters in patients with chronic glomerulonephritis? - a pilot study

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P138 Comparison between two elastographic methods in the assessment of the kidney

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P139 Sonoelastography of the prostate: comparison with results of systematic biopsies in 80 patients.

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P140 Applying broadband Dielectric Relaxation Spectroscopy for the detection of prostate cancer biophysical characteristics

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P141 Contrast Enhanced Ultrasound for characterisation of solid and cystic renal lesions.

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P142 Rare lesions of the Penis: B-Mode Sonography Findings in the penil hemangioma and abscess

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P143 Intratesticular varicocele, grey scale and color Doppler sonographic evaluation of a rare entity

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P144 US-NCCT real-time fusion for urinary stones follow up

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[Abstracts]

YOUNG INVESTIGATORS

Y11-ROMANIA Comparative analysis of three sonoelastographic scores for differentiation between benign and malignant cervical lymph nodes

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Y12-TURKEY Radiofrequency Ablation of Benign Thyroid Nodules: Clinical Results

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Y13-DENMARK Intestinal perfusion measurements with CEUS and dynamic contrast enhanced MR enterography: A comparison study.

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Y14-UK Multi-Parametric Ultrasonography of Testicular Haematomas: Features on Grey Scale, Colour Doppler, Contrast Enhanced Sonography and Strain Elastography

Gibran T. Yusuf, Eleni Konstantatou, Maria E. Sellars, Dean Y. Huang, Paul S. Sidhu
 King's College Hospital, London, UK

Y15-ITALY Multiparametric Ultrasonography (mpUS) for the characterization of superficial neck masses

Simona Malaspina, Marina Mustica, Corrado Malaspina, Michele Scialpi
 Istituto di Radiologia Diagnostica ed Interventistica. Università di Perugia

Y16-GREECE Remote ultrasound diagnosis in real time, while being on the move. Enabled using high tech mobile devices

Vasileios Moustakas
 Radiology Department, Evangelismos Hospital, Athens, Greece

Y17-POLAND PiCASSo – Palliative Care Assessment of Symptoms in Sonography

Jakub Wisniewski
 Department of Pediatrics, Hematology and Oncology, Medical University of Gdansk, Poland

Y18-NETHERLANDS Acoustic characterization of the carotid artery

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 Erasmus MC, Rotterdam



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