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Welcome to the 29th Euroson Congress

Dear colleagues,
We cordially welcome you to Euroson 2017 taking place in the midst of Europe in charming Ljubljana. This year, the congress is being organized by the Turkish Society of Ultrasound (TUD) together with EFSUMB.

In accordance with the EFSUMB’s motto “Building a European Ultrasound Community”, the congress will create a vibrant, interdisciplinary meeting place for students, doctors, engineers, professors, sonographers, industry and all stakeholders of ultrasound.

The Congress will be running in 5 main halls with a compact and intense educational content. It will focus on new developments in science and education and renowned speakers from all across Europe will provide state-of-the-art lectures and live demonstrations. The Ultrasound Learning Center (ULC) is the key location for hands-on training where students and young doctors can experience supervision and guidance from scanning experts in various fields. A dedicated student program will enhance the training outcome for young students, enabling a good start to their future careers. Ultrasound is not only a diagnostic, prognostic, and therapeutic tool, but it is also an excellent pedagogic tool.

Ultrasonography is crucial for correct diagnosis and treatment of many patients, and the doctors base much of their clinical decisions on information provided by scans. Interventions and ultrasound-directed therapies are also increasingly employed to promote personalized therapy. EFSUMB is a major contributor of new clinical guidelines and recommendations, and many of these will be presented at the congress.

We envision that this congress will be important for your personal education and professional development. We look forward to welcoming all ultrasound lovers to the 29th Euroson Congress in Ljubljana.

Sincerely yours,

Prof. Adnan Kabaalioğlu
Congress President
Turkish Ultrasound Society (TUD)

Prof. Odd Helge Gilja
EFSUMB Congress President
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Prof. Dr. Adnan Kabaalioglu
Congress President

Prof. Dr. Odd Helge Gilja
EFSUMB Congress President

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Suna Özhan Oktar (Coordinator-Head and Neck)
Gülgün Kavukçu (Coordinator-Abdomen/Interventional)
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Esra Özkavukçu (Coordinator-Obstetric-Gynecology)
Recep Has (Coordinator-Obstetric-Gynecology)
Natasha Tul Mandić (Coordinator-Obstetric-Gynecology, Slovenia)
Ruhi Onur (Coordinator-Emergency)

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ABOUT SLOVENIA

Slovenia lies in the heart of Europe, where the Alps meet the Mediterranean and the Pannonian Plain meets the Karst. This small green country measures 20,273 km² in area, and is home to sincere, hospitable people of great diligence. It has an exceptional number of top athletes, and a wealth of cultural creativity. In Slovenia it is not difficult to compare the value of goods and services, as they are priced in one of the world’s major currencies, the Euro.

Independent since 1991, Slovenia does not have a majestic history like many larger European nations, but the past is nevertheless important. For many it is surprising that such a small nation, without kings or famous military leaders of its own, could even form, survive and carve out an independent path. But this is the result of the resilience and determination of the Slovene people, whose culture and common language have survived for centuries in this green piece of Europe.

In Slovenia, you come across different historical eras at every turn. Truly old items are preserved primarily in museums, but archaeological finds can also be seen in their natural setting. Slovenia’s natural diversity further emphasises the attraction of important buildings. Slovenian castles are amazing, and the many rural hilltop churches are charming. Cultural-historical monuments and architectural masterpieces can be found in most Slovenian towns. Well-preserved medieval town centres and more modern public buildings in various famous architectural styles will delight you.

The special features of rural architecture vary from region to region, and are gathered together in open-air museums. Castles, manor houses and palaces are certainly an important part of the heritage. Most of them can be explored from the inside. Slovenian towns are decorated with luxurious buildings, usually converted into public buildings. Palaces are mostly in coastal towns, especially Koper. The Praetorian Palace, with its late-gothic-renaissance façade is among the finest Slovenian palaces and houses a museum.
ABOUT SLOVENIA

LJUBLJANA, the capital, is a vital city which is developing with a clear vision, putting the quality of life at the forefront. With 280,000 residents it combines in fact many facilities and services of a metropolis with the relaxed ambience and safety of smaller towns.

The city’s architecture, a harmonic blend of medieval Old Town, Baroque, Art Nouveau and newer styles as well as the lively events agenda and café society have made Ljubljana a destination under growing demand. Its feeling of youthful energy can be attributed to 60,000 university students and is reflected in the dynamic alternative arts production that complements a myriad of events in the framework of institutional culture running throughout the year.

In June 2014, Ljubljana received among five finalists the prestigious title of European Green Capital 2016, awarded by the European Commission. Its sustainable development is defined in a strategic document spanning the period until 2025, focusing on the protection of the environment, sustainable mobility, sustainable energy provision and electro-mobility. The European Green Capital title is putting Ljubljana on the map as one of the European cities that are aware of the significance of environmental and social sustainability and are taking concrete measures to address issues in this field.

Both Slovenia and Ljubljana are regarded as very safe destinations. The general level of security is high, as stated in surveys conducted by official institutions / government agencies in the international sphere.
FINAL PROGRAM

ABDOMEN – MARMORNA 1

New guidelines on Gastro Intestinal Ultrasound (GIUS)
Chair(s): Odd Helge Gilja, Norway and Giovanni Maconi, Italy

08:30 - 08:50 The world’s first guidelines on intestinal ultrasound
Odd Helge Gilja, Norway

08:50 - 09:10 How to use ultrasound for diagnosis and follow-up of IBD patients?
Christian Maaser, Germany

09:10 - 09:30 What is the prognostic value of ultrasound in IBD?
Giovanni Maconi, Italy

09:30 - 09:50 The value of applying CEUS and elastography in Crohn’s disease?
Kim Nylund, Norway

09:50 - 10:00 Selected Oral Presentation
1128 - What happened with liver stiffness values assessed by means of Transient Elastography in patients with HCV liver cirrhosis after DAA treatment
Ioan Sporea, Raluca Lupusoru, Alina Popescu, Ruxandra Mare, Speranta Iacob, Liana Gheorghe, Roxana Sirli

OBSTETRICS COURSE – URSKA 1

Obstetrics 1
Chair(s): Sevgi Tercanlı, Switzerland and Adnan Kabaaloğlu, Turkey

08:30 - 08:50 Early gestation: Normal findings, diagnosis of pregnancy failure and ectopic pregnancy
Aytül Çorbacıoğlu, Turkey

08:50 - 09:10 First trimester (11-14 weeks) ultrasound screening
İbrahim Kalelioğlu, Turkey

09:10 - 09:30 Second trimester (18-22 weeks) ultrasound screening
Nataša Tul Mandić, Slovenia

09:30 - 09:50 Cell-free DNA Testing for Fetal Chromosomal Anomalies
Sevgi Tercanlı, Switzerland

THYROID/NECK COURSE – URSKA 3

Thyroid - Neck 1
Chair(s): Vito Cantisani Italy and S. Süreyya Özbek, Turkey

08:30 - 08:45 Introduction, definition of learning objectives. Pre-Test
Mustafa Secil, Turkey

08:45 - 09:10 Essential principles and technique of thyroid and neck US and Doppler
Vito Cantisani, Italy

09:10 - 09:30 Sonoelastography of the thyroid, principles and technique
Vito Cantisani, Italy

09:30 - 10:00 Pattern recognition approach to thyroid nodules
S. Süreyya Özbek, Turkey
FINAL PROGRAM

EMERGENCY/THORAX/ANESTHESIA – POVODNI 1

Emergency Ultrasound 1

Chair(s): Radu Badea, Romania and Erhan Akpınar, Turkey

08:30 - 09:00  Emergency US; Equipment and Reporting
   Ruhi Onur, Turkey

09:00 - 09:20  Role of CEUS in emergency and Critical Care
   Radu Badea, Romania

09:20 - 09:50  FAST and extended-FAST in the emergency
   Erhan Akpınar, Turkey

09:50 - 10:00  Selected Oral Presentation
   1166 - Results of the European Survey regarding the Point of Care Ultrasonography applications in the GPs practice, and an experimental Emergency Ultrasound Screening related to their applicability in primary care
   Mihai Iacob

MUSCULO-SKELETAL – POVODNI 4

Shoulder US

Chair(s): Daniela Fodor, Romania and Diana Gaitini, Israel

08:30 - 08:55  Technique of examination and normal anatomy
   Diana Gaitini, Israel

08:55 - 09:20  Rotator cuff and beyond
   Diana Gaitini, Israel

09:20 - 09:50  The shoulder
   Rodina Nestorova, Bulgaria

09:50 - 10:00  Selected Oral Presentation
   1016 - Comparison of superb microvascular imaging (SMI) and strain elastography for diagnosis of lateral epicondylitis
   Serdar Arslan, Ali Yavuz Karahan, Fatih Oncu, Suleyman Bakdik, Mehmet Sedat Durmaz, Ismet Tolu

10:00 - 10:45  Short Oral Presentations – Ultrasound Learning Center

Chair(s): Kağan Çeken, Turkey and Zoltan Harkanyi, Hungary

10:00 - 10:07  1010 - Ultrasound elastography for the distinction between parathyroid adenomas and thyroid nodules
   Abdussamet Batur, Murat Atmaca, Alpaslan Yavuz, Mesut Ozgokce, Aydin Bora, Mehmet Deniz Bulut, Harun Arslan, Osman Toktas, Muhammed Alpaslan

10:07 - 10:14  1065 - Doppler ultrasonography of transjugular intrahepatic portosystemic shunt (tips) a retrospective study in assessing the accuracy of ultrasound in detecting covered stent malfunction
   Angela Anthony, Azizah Binte Mohamed Afif, Pwint Mar Khin, Lim Sze Ying
FINAL PROGRAM

10:14 - 10:21 1050 - diagnostic value of acoustic radiation force impulse (ARFI) elastography for differentiation of hemangiomas from malignant liver lesions during conventional abdominal ultrasound
Giovanni Galati, Antonio De Vincentis, Paolo Gallo, Umberto Vespasiani-gentilucci, Marianna Silletta, Alessandro Guidi, Antonio Picardi

10:21 - 10:28 1129 - Diagnostic value of the elastography in differentiating benign from malignant breast lesions; quantitative or semi quantitative methods
Direnç Özlem Aksoy, Seyma Yildiz, Bahar Atasoy, Alpay Alkan

10:28 - 10:35 1053 - Transthoracic ultrasound a complementary tool for early detection of pulmonary fibrosis in systemic sclerosis patients
Elisabettamarina Frongillo, Angelo De Cata, Gaetano Rea, Maria Giulia Tinti, Vincenzo Carnevale, Antonio Varriale, Anna Simeone, Marco Sperandeo

10:35 - 10:42 1159 - The value of 2d swe.ge for the evaluation of liver fibrosis in patients with HCV compensated chronic hepatopathies
Felix Bende, Ioan Sporea, Alina Popescu, Roxana Sirli, Mirela Danila, Ruxandra Mare, Ana-maria Stepan

10:00 - 10:30 Coffee Break

ABDOMEN – MARMORNA 1
Differential Diagnosis of Focal Liver Lesions
Chair(s): Vito Cantisani, Italy and Ksenija Vukovic, Slovenia
10:30 - 10:50 Focus on Benign Lesions
Tim Yusuf, UK
10:50 - 11:10 Focus on Malignant Lesions
Vito Cantisani, Italy
11:10 - 11:30 Focus on Infectious Lesions
Adnan Kabaalioğlu, Turkey
11:30 - 11:50 New Data on impact of Elastography
Christoph F. Dietrich, Germany
11:50 - 12:00 Selected Oral Presentation
1072 - Contrast Enhanced Ultrasound, the first step in the evaluation of focal liver lesions
Moga Tudor, Cristian Ivascu, Alina Popescu, Camelia Foncea, Diana Gherhardt, Roxana Sirli, Mirela Danila, Ioan Sporea
FINAL PROGRAM

OBSTETRICS COURSE – URSKA 1

Obstetrics 2
Chair(s): S. Süreyya Özbek, Turkey and Esra Özkavukçu, Turkey
10:30 - 11:00 Sonographic and Doppler assessment of IUGR and preeclampsia
İbrahim Kalelioğlu, Turkey
11:00 - 11:30 Sonography of multiple gestations
Natasa Tul Mandic, Slovenia
11:30 - 12:00 Sonographic assessment of placenta, cord and cervix
Özgür Öztekin, Turkey

THYROID/NECK COURSE – URSKA 3

Thyroid - Neck 2
Chair(s): Mustafa Seçil, Turkey and Gülgün Kavukçu, Turkey
10:30 - 11:00 TI-RADS classification
Artür Salmaslioğlu, Turkey
11:00 - 11:30 Pattern recognition approach to diffuse thyroid diseases
Mustafa Seçil, Turkey
11:30 - 12:00 Cervical lymph nodes
Gülgün Kavukçu, Turkey

EMERGENCY/THORAX/ANESTHESIA – H4

Emergency Ultrasound 2
Chair(s): Ruhi Onur, Turkey and Annamaria Deganello, UK
10:30 - 11:00 Pitfalls in emergency US
Ruhi Onur, Turkey
11:00 - 11:30 Emergency pediatric US / CEUS in trauma
Annamaria Deganello, UK
11:30 - 11:50 Sonographic signs of life-threatening emergency conditions: Can we change the management?
Ruhi Onur, Turkey
11:50 - 12:00 Selected Oral Presentation
1114 - Subpleural thorax lesions: US-Guided core biopsy experience with 99 patients
İlhan Nahit Mutlu, Mehmet Semih Çakir, Melis Baykara Ulusan, Çağrı Erdim, Özgür Kiliçkesmez
MUSCULO-SKELETAL – POVODNI 4
US guided Maneuvers in Musculoskeletal Pathology
Chair(s): Gordana Ivanac, Croatia and Maija Radszina, Latvia
10:30 - 10:40 Principles
Daniela Fodor, Romania
10:40 - 11:00 Hip, ankle and foot
Mihaela Micu, Romania and Oana Serban, Romania
11:00 - 11:20 The knee
Corina Bocsa, Romania
11:20 - 11:40 Hand and elbow
Violeta Vlad, Romania
11:40 - 11:50 Selected Oral Presentation
1151 - Sonographic evaluation of patellar tendon after transpatellar intramedullary nailing
Muzaffer Ayaz, Ercan Ayaz, Samet Erinc, Ibrahim Inan, Adnan Kabaalioglu

12:00 - 13:00 Break

ABDOMEN – MARMORNA 1
Abdominal Elastography Guidelines
Chair(s): Paul Sidhu, UK and Ioan Sporea, Romania
13:00 - 13:15 Can liver elastography replace liver biopsy?
Ioan Sporea, Romania
13:15 - 13:35 Elastography: Experience with strain and shear wave methods in vitro and in liver scanning
Roald Havre, Norway
13:35 - 13:50 Is elastography for focal liver lesions ready for daily practice?
Tim Yusuf, UK
13:50 - 14:00 Selected Oral Presentation
1126 - Learning curve evaluation using ELASTPQ
Ruxandra Mare, Ioan Sporea, Alina Popescu, Roxana Sirli, Corina Pienar

OBSTETRICS COURSE – URSKA 1
Obstetrics 3
Chair(s): Natasa Tul Mandic, Slovenia and Öзgür Öztekin, Turkey
13:00 - 13:30 Basic and expanded screening of fetal heart
Esra Özkavukçu, Turkey
13:30 - 14:00 Diagnosis of major cardiac anomalies
Özlem Pata, Turkey
FINAL PROGRAM

THYROID/NECK COURSE – URSKA 3
Thyroid - Neck 3
Chair(s): Suna Özhan Oktar, Turkey and Alper Özel, Turkey
13:00 - 13:20 Parathyroid glands
Alper Özel, Turkey
13:20 - 13:40 Salivary glands and other neck lesions
Suna Özhan Oktar, Turkey
13:40 - 14:00 Post thyroidectomy imaging in thyroid cancer
Gülgün Kavukçu, Turkey

EMERGENCY/THORAX/ANESTHESIA – POVODNI 1
Thorax Ultrasound
Chair(s): Christoph F. Dietrich, Germany and Gebhard Mathis, Austria
13:00 - 13:15 Lung artifacts and their use
Christoph F. Dietrich, Germany
13:15 - 13:35 Lung consolidation: Pneumonia and pulmonary emboli
Gebhard Mathis, Austria
Zeno Sparchez, Romania
13:50 - 14:10 Selected Oral Presentations
1158 - Lung ultrasound as tool of diagnostic algorithm in respiratory diseases
Luca Rinaldi, Stefania Milione, Maria Chiara Fascione, Francesco Cacciatore, Giovanni Porta, Valerio Rosato, Luigi Sena, Imma Altruda, Mario Venafro, Laila Attanasio, Mauro Giordano, Luigi Elio Adinolfi
1087 - Sonoelastographic findings of normal appearing brachial plexus
Ahmet Aktan, Ahmet Aslan, Yildiz Gülseren, Mine Aslan

MUSCULO-SKELETAL – H5
The role of musculoskeletal US in elucidation of the pain in the lower limb
Chair(s): Violeta Vlad, Romania and Daniela Fodor, Romania
13:00 - 13:15 The lower limb pain due to the inflammatory and degenerative joint pathology
Violeta Vlad, Romania
13:15 - 13:30 Reasons for pain in lower limb due to peripheral nerves
Corina Bocsa, Romania
13:30 - 13:50 The trauma and pain in lower limb
Daniela Fodor, Romania
13:50 - 14:00 Selected Oral Presentation
1083 - The efficiency of acoustic radiation force impulse (ARFI) elastography in the diagnosis and staging of carpal tunnel syndrome
Harun Arslan, Alpaslan Yavuz, Ferda Ilgen Uslu, Abdurrahman Aycan, Hüseyin Akdeniz, Mesut Ö zgökçe, Abdussamet Batur

14:00 - 14:30 Coffee Break
FINAL PROGRAM

ABDOMEN – MARMORNA 1

Ultrasound in GIT
Chair(s): Christoph F. Dietrich, Germany and Giovanni Maconi, Italy
14:30 - 14:50  Role of US in appendicitis
   Klaus Dirks, Germany
14:50 - 15:05  Role of US in diverticulitis
   Klaus Dirks, Germany
15:05 - 15:20  Role of US in Ileus
   Giovanni Maconi, Italy
15:20 - 15:30  Selected Oral Presentation
   1029 - Improving the diagnosis of non-epithelial neoplasms of the gastrointestinal tract with the help of ultrasound-guided puncture biopsy
   Pavel Bespalov, Larisa Mitina, Stanislav Stepanov

OBSTETRICS COURSE – URSKA 1

Obstetrics 4
Chair(s): Naile Bolca, Turkey and İbrahim Kalelioğlu, Turkey
14:30 - 15:00  Fetal MRI: When should we do it?
   Özgür Öztekin, Turkey
15:00 - 15:30  Ultrasound findings of intrauterine infections
   Özlem Pata, Turkey

THYROID/NECK COURSE – URSKA 3

Thyroid - Neck 4
Chair(s): Cem Yücel, Turkey and Suna Özhan Oktar, Turkey
14:30 - 15:00  Ultrasound-guided fine needle aspiration biopsy techniques, case illustrations
   Suna Özhan Oktar, Turkey
15:00 - 15:30  Radiofrequency ablation of thyroid nodules- indications, case illustrations
   Cem Yücel, Turkey

EMERGENCY/THORAX/ANESTHESIA – POVODNI 1

Anesthesiology
Chair(s): Ivan Kostadinov, Slovenia
14:30 - 14:55  Ultrasound-guided neuraxial and perineuraxial blocks
   Marija Damjanovska, Slovenia
14:55 - 15:20  Ultrasound-guided peripheral nerve blocks: gold standard in practicing regional anesthesia
   Ivan Kostadinov, Slovenia
15:20 - 15:30  Selected Oral Presentation
   1157 - Endoscopic ultrasound-guided celiac plexus neurolysis (CPN) in pancreatic cancer: A single center experience
   Richard Azevedo, Helena Ribeiro, João Pinto, Flávio Pereira, Cátia Leitão, Ana Caldeira, Eduardo Pereira, António Banhudo
**FINAL PROGRAM**

**MUSCULO-SKELETAL – POVODNI 4**  
**MSK Elastography**  
*Chair(s): Gordana Ivanac, Croatia and Corina Bocsa, Romania*

- **14:30 - 15:00** Musculoskeletal elastography update  
  **Gordana Ivanac, Croatia**

- **15:00 - 15:20** Elastography in Superficial Soft Tissue Tumors  
  **Milka Kljaić Dujić, Slovenia**

- **15:20 - 15:30** Selected Oral Presentation  
  **1001 - Predicting value of real-time shear wave elastography for undiagnosed small cervical lymph nodes metastasis in nasopharyngeal carcinoma**  
  **Jian Li**, Binbin Chen, Fei Han, Feifei Zuo, Jianhua Zhou

**15:30 - 15:45** Short Break

**ABDOMEN – MARMORNA 1**  
**Abdomen Interactive Case Discussion**  
*Chair(s): Carmen Garre, Spain and Cem Yücel, Turkey*

- **15:45 - 16:05** The role of US in diagnosis of HCC  
  **Carmen Garre, Spain**

- **16:05 - 16:25** Liver elastography  
  **Suna Özhan Oktar, Turkey**

- **16:25 - 16:45** Liver biopsy  
  **Cem Yücel, Turkey**

**OBSTETRICS COURSE – URSKA 1**  
**Obstetrics 5 - Live Demos**  
*Chair(s): Adnan Kabaalioğlu, Turkey and Özlem Pata, Turkey*

- **15:45 - 16:15** Live Demo 1 - First trimester screening  
  **Natasa Tul Mandic, Slovenia**

- **16:15 - 16:45** Live Demo 2 - Second trimester screening  
  **Esra Özkavukçu, Turkey**

**THYROID/NECK COURSE – URSKA 3**  
**Thyroid - Neck 5**  
*Chair(s): S. Süreyya Özbek, Turkey and Mustafa Seçil, Turkey*

- **15:45 - 16:35** Interactive case discussion (with video demo)  
  **S. Süreyya Özbek, Turkey and Mustafa Seçil, Turkey**

- **16:35 - 16:45** Post-Test and Feedback
FINAL PROGRAM

EMERGENCY/THORAX/ANESTHESIA – POVODNI 1
Chair(s): Matthias Wuestner, Germany and Gebhard Mathis, Austria

Interactive Case Discussion
15:45 - 16:10  Beyond FAST: Saving CT radiation in trauma patients
   Matthias Wuestner, Germany
16:10 - 16:35  Lung ultrasound – Interactive case reports
   Gebhard Mathis, Austria
16:35 - 16:45  Selected Oral Presentation
   1160 - How to improve the reliability of liver fibrosis evaluation using 2D-SWE.
   GE
   Felix Bende, Ioan Sporea, Roxana Sirli, Mirela Danila, Alina Popescu

MUSCULO-SKELETAL – POVODNI 4

MSK Interactive Case Discussion
Chair(s): Maija Radzina, Latvia and Daniela Fodor, Romania
15:45 - 16:15  Sonography of peripheral nerve compression
   Maija Radzina, Latvia
16:15 - 16:45  US in gout: state of art
   Daniela Fodor, Romania

17:00 - OPENING CEREMONY
ABDOMEN / INTERVENTIONAL - MARMORNA 1

Hydatid Cysts-PAIR
Chair(s): Adnan Kabaalioğlu, Turkey and Branimir Golemanov, Bulgaria
08:30 - 08:50 History-Classification
Hassen Gharbi, Tunisia
08:50 - 09:20 PAIR and the other percutaneous techniques
Okan Akhan, Turkey
09:20 - 09:50 Current Management Algorithms
Enrico Brunetti, Italy
09:50 - 10:00 Selected Oral Presentation
1075 - Contrast-enhanced ultrasound in the diagnostic of liver abscesses. A prospective multicenter experience
Alina Popescu, Tudor Moga, Ioan Sporea, Larisa Sandulescu, Roxana Sirli, Mirela Danila, Cristian Ivascu, Adrian Saftoiu, Zeno Spârchez, Cristina Cijevschi, Simona Ioanitescu, Dana Nedelcu, Iulia Siminov, Cirpian Brisc, Radu Badea

OBSTETRICS COURSE – URSKA 1

Obstetrics 6
Chair(s): S. Süreyya Özbek, Turkey and Tamara Štampalija, Italy
08:30 - 09:00 Fetal abdominal wall defects and GIS anomalies
Esra Özkavukçu, Turkey
09:00 - 09:30 Fetal thorax and lung anomalies
Naile Bolca Topal, Turkey
09:30 - 10:00 Anomalies of fetal urogenital system
Esra Özkavukçu, Turkey

PEDIATRICS – POVODNI 1

Pediatrics 1 - Screening / CEUS
Chair(s): Gyorgy Harmat, Hungary and Zoltan Harkanyi, Hungary
08:30 - 08:50 A practical approach of pediatric CEUS studies
Zoltan Harkanyi, Hungary
08:50 - 09:15 US screening in neonatal period: Rational evaluation and follow-up
Gyorgy Harmat, Hungary
09:15 - 09:50 Benign liver masses
Zoltan Harkanyi, Hungary
09:50 - 10:00 Selected Oral Presentation
1077 - Screening in type II diabetes mellitus patients using transient elastography with controlled attenuation parameter (CAP)
Ioan Sporea, Ruxandra Mare, Roxana Sirli, Alina Popescu, Corina Pienar, Silviu Nistorescu, Alexandra Sima, Romulus Timar
FINAL PROGRAM

BREAST – POVODNI 3

Breast 1
Chair(s): Boris Brkljačić, Croatia and Emel Durmaz, Turkey
08:30 - 09:00  Breast US update
   Boris Brkljačić, Croatia
09:00 - 09:30  BIRADS 3 lesions
   Emel Durmaz, Turkey
09:30 - 09:50  Imaging features of different breast cancers
   Boris Brkljačić, Croatia
09:50 - 10:00  Selected Oral Presentation
   1110 - Breast ultrasound during lactation: not to overdiagnose, not to overlook
   Nuray Haliloglu, Evren Ustuner, Esra Ozkavukcu

GENITO-URINARY – POVODNI 4

Prostate-Adrenal-Ovary
Chair(s): Paul Sidhu, UK and Rogier Wildeboer, Netherlands
08:30 - 09:00  Multiparametric US imaging of prostate cancer
   Rogier Wildeboer, Netherlands
09:00 - 09:20  Adrenal glands - how confident can we be?
   Ksenija Vuković, Slovenia
09:20 - 09:40  Ovarian torsion in girls: diagnosis and outcomes
   Andrius Cekuolis, Lithuania
09:40 - 10:00  Selected Oral Presentations
   09:40 - 09:50  1038 - Evaluation of ovarian vascularity by using “superb micro-vascular imaging” ultrasonography technique in children and comparison with the conventional doppler ultrasonography techniques
   Ercan Ayaz, Ahmet Aslan, Ibrahim Inan, Ali Yikilmaz
   09:50 - 10:00  1163 - The efficiency of shear wave elastography evaluation in determining the malignity potential of solid thyroid nodules
   Alpaslan Yavuz, Ibrahim Akbudak, Rifki Ucler, Mesut Ozgokce, Harun Arslan, Abdussamet Batur
09:50 - 10:00  1163 - The efficiency of shear wave elastography evaluation in determining the malignity potential of solid thyroid nodules
   Alpaslan Yavuz, Ibrahim Akbudak, Rifki Ucler, Mesut Ozgokce, Harun Arslan, Abdussamet Batur

10:00 - 10:45  Short Oral Presentations – Ultrasound Learning Center
Chair(s): Ruhi Onur, Turkey and Pavlos Zoumpoulis, Greece
10:00 - 10:07  1070 - Numbers may say the truth if you know to play with them
   İker Özugur Koska
10:07 - 10:14  1054 - Use of combined bi RADS classification and NAKAGAMI statistics of ultrasound echoes in the diagnosis of breast lesions
   Katarzyna Dobruch-sobczak, Hanna Piotrzkowska-wroblewska, Michal Byra, Andrzej Nowicki, Wieslaw Jakubowski
FINAL PROGRAM

10:14 - 10:21  1056 - Shear wave elastography in testicular tissue
   Malene Roland Pedersen, Henrik Møller, Palle Jørn Sloth Osther, Peter Vedsted,
   René Holst, Søren Rafael Rafaeelsen

10:21 - 10:28  1168 - Usability of transthoracic shear wave elastography in differentiation of
   subpleural bening and malign solid masses
   Mesut Özgökç, Alpaslan Yavuz Ibrahim Üney İbrahim Akbudak, Harun Arslan
   Abdussamet Batur Yener Aydın, Hanifi Yıldız

10:28 - 10:35  1167 - Ultrasonographical diagnosis of subclinical atherosclerosis and
   assessment of vulnerability at the atheromatous plaques with the strain
   elastography in primary care
   Mihai Iacob

10:35 - 10:42  1024 - Shear wave elastography can it be a new radiologic approach for the
   diagnosis of erectile dysfunction
   Rustu Turkay, Ercan Inci, Gurkan Mustafa Yenice, Volkan Tugcu

10:00 - 10:30  Coffee Break

ABDOMEN / INTERVENTIONAL – MARMORNA 1

Interventional
Chair(s): Okan Akhan, Turkey and Dieter Nuernberg, Germany

10:30 - 11:00  US-guided tumor ablations: general view
   Okan Akhan, Turkey

11:00 - 11:30  Nonparasitic cyst treatment of liver, spleen and kidney: What is new?
   Zeno Sparchez, Romania

11:30 - 11:50  Biliary interventions and complications
   Dieter Nuernberg, Germany

11:50 - 12:00  Selected Oral Presentation
   1018 - Ablation treatment of primary and secondary liver tumors under
   contrast-enhanced ultrasound (CEUS) guidance. A multicenter study
   Giampiero Francica, Maria Franca Meloni, Laura Riccardi, Ilario De Sio, Fulvia
   Terracciano, Eugenio Caturelli

OBSTETRICS COURSE – URSKA 1

Obstetrics 7
Chair(s): Esra Özkavukçu, Turkey and Natasa Tul Mandic, Slovenia

10:30 - 11:00  Fetal central nervous system anomalies
   Naile Bolca Topal, Turkey

11:00 - 11:30  Fetal face and neck anomalies
   Aytül Çorbacıoğlu, Turkey

11:30 - 12:00  Fetal skeletal dysplasias
   Naile Bolca Topal, Turkey
FINAL PROGRAM

PEDIATRICS – POVODNI 1

Pediatrics 2- Pediatric Urology
Chair(s): Andreas Serra, Switzerland and S. Süreyya Özbek, Turkey
10:30 - 11:00 Congenital Hydronephrosis
   S. Süreyya Özbek, Turkey
11:00 - 11:20 Diagnosing reflux with CEUS
   Damjana Ključevšek, Slovenia
11:20 - 11:50 Pediatric cystic diseases
   Andreas Serra, Switzerland
11:50 - 12:00 Selected Oral Presentation
   1097 - Two-dimensional shear wave elastography in children: What is the number of liver stiffness measurements needed for a high quality evaluation?
   Corina Pienar, Ioan Sporea, Diana Gherhardt, Alina Popescu, Oana Belei, Ioana Ciucu, Corina Paul, Puiu-iulian Velea

BREAST – POVODNI 3

Breast 2
Chair(s): Jan Tuma, Switzerland and Gordana Ivanac, Croatia
10:30 - 10:50 Pediatric breast lesions
   Emel Durmaz, Turkey
10:50 - 11:10 US of Implants
   Gordana Ivanac, Croatia
11:10 - 11:30 Complex Cystic lesions
   Emel Durmaz, Turkey
11:30 - 11:50 CEUS in breast disease
   Jan Tuma, Switzerland
11:50 - 12:00 Selected Oral Presentation
   1115 - A valuable diagnostic tool in idiopathic granulomatous mastitis: Ultrasound
   Funda Dinç Elibol, Yelda Dere, Cenk Elibol, Ibrahim Onder Yeniçeri, Rabia Mihriban Kilinç, Ahmet Korkut Belli, Özcan Dere, Okay Nazli
FINAL PROGRAM

YOUNG INVESTIGATORS SESSION – POVODNI 4
Chair(s): Vito Cantisani, Italy and Michael Bachmann Nielsen, Denmark
Judges: Ksenija Vukovic, Carmel Moran, Maija Radzina, Jordan Genov, Andreas Serra, Aris Antsaklis

10:30 - 10:40 Perm elastography: Quantitative poroelastic property imaging by combining shear wave and strain Elastography
M Theodorou, J Fromageau, NM deSouza, JC Bamber

10:40 - 10:50 Subclinical psoriatic arthritis detection in patients with psoriatic onychopathy
V. Linovs, M. Radzina, T. Sidorcika, A. Rubins, S. Rubins

10:50 - 11:00 Diagnostic accuracy of contrast-enhanced ultrasound algorithm (ACR CEUS LI-RADSv 2016) for the diagnosis of hepatocellular carcinoma in patients with chronic liver disease
Ana-Maria Stepan, Mirela Danila, Roxana Sirli, Alina Popescu, Tudor Moga, Cristian Ivascu, Corina Pienar, Ioan Sporea

11:00 - 11:10 Assessing Baveno VI criteria with a new point-shear wave elastography technique: The BAVElastPQ study
Garcovich Matteo, Gibiino Giulia, Annichiarico Brigida Eleonora, Ainora Maria Elena, Riccardi Laura, Pompili Maurizio, Siciliano Massimo, Gasbarrini Antonio, Zocco Maria Assunta

11:10 - 11:20 Virtual touch imaging quantification shear wave elastography of perirenal fat can sticky fat be predictable
İkay Çamlıdağ, Süleyman Öner, Ender Özden

11:20 - 11:30 Prostate cancer localization with contrast-enhanced ultrasound - from technical innovation to clinical implementation
Ruud JG van Sloun, Hessel Wijkstra and Massimo Mischi

11:30 - 11:40 Introduction of point-of-care ultrasound for medical students, emergency medicine and intensive care physicians in Romania
Charlotte Louise Bysheim Skorpen

11:40 - 11:50 Sonoelastography of the Supraspinatus Tendon
Brage K, Hjarbaek J, Kjaer P, Juul-Kristensen B

12:00 - 13:00 LUNCH / INDUSTRY SYMPOSIUMS
FINAL PROGRAM

ABDOMEN / INTERVENTIONAL – MARMORNA 1
A new look at pancreas US
Chair(s): Georg Dimcevski, Norway and Alina Popescu, Romania

13:00 - 13:20 The value of ultrasound in acute pancreatitis
Alina Popescu, Romania

13:20 - 13:35 New data on ultrasound in chronic pancreatitis
Georg Dimcevski, Norway

13:35 - 13:50 When is CEUS indicated in scanning of the pancreas?
Dieter Nuernberg, Germany

13:50 - 14:00 Selected Oral Presentation
1132 - Our initial experience with endoscopic ultrasound
Erdem Yilmaz, Ali Riza Soylu, Ahmet Tezel, Nermin Tunçbilek

OBSTETRICS COURSE – URSKA 1
Obstetrics 8
Chair(s): Sevgi Tercanlı, Switzerland and Andreja Trojner Bregar, Slovenia

13:00 - 13:30 Ultrasound findings of chromosomal anomalies
Özlem Pata, Turkey

13:30 - 14:00 Ultrasound findings of common non-chromosomal congenital syndromes and multisystem disorders
Aytül Çorbacioglu, Turkey

PEDIATRICS – POVODNI 1
Pediatrics 3- Cranial-Spinal US
Chair(s): György Harmat, Hungary and Yeliz Pekçevik, Turkey

13:00 - 13:20 Neonatal Cranial US (Basic)
Yeliz Pekçevik, Turkey

György Harmat, Hungary

Yeliz Pekçevik, Turkey

13:50 - 14:10 US in early pregnancy
Panos Antsaklis, Greece
FINAL PROGRAM

BREAST – POVODNI 3

Breast 3
Chair(s): Saim Yılmaz, Turkey and Caroline Ewertsen, Denmark

13:00 - 13:20  Breast elastography: The impact
Gordana Ivanac, Croatia

13:20 - 13:35  Advances in breast elastography
Caroline Ewertsen, Denmark

13:35 - 13:50  Ablation of breast tumors under US guidance
Saim Yılmaz, Turkey

13:50 - 14:00  Selected Oral Presentation
1094 - Permelastography: Quantitative poroelastic property imaging by combining shear wave and strain elastography
Maria Theodorou

DEGUM LECTURE – POVODNI 4

Chair(s): Odd Helge Gilja, Norway and Christian Jenssen, Germany

DEGUM Lecture
13:30 - 14:00  Ultrasound meets endoscopy: Combined imaging procedures for different Clinical situations
Dirk Becker, Germany

Theresa Planiol Lecture
14:00 - 14:30  Image fusion of the native and transplanted kidney
Michel Claudon, France

14:00 - 14:30  Coffee Break

ABDOMEN / INTERVENTIONAL – MARMORNA 1

Multimodality Imaging of GIT
Chair(s): Kim Nylund, Norway and Klaus Dirks, Germany

14:30 - 14:50  Comparison of US and MR imaging in IBD
Rune Wilkens, Denmark

14:50 - 15:10  How can endoscopy and US complement each other in the management of IBD patients?
Giovanni Maconi, Italy

15:10 - 15:30  US versus CT in diverticulitis
Klaus Dirks, Germany
FINAL PROGRAM

OBSTETRICS COURSE – URSKA 1
Chair(s): İbrahim Kalelioğlu, Turkey and Faris Mujezinović, Slovenia
14:30 - 15:00 Anomalies of urogenital system
  Tamara Štampalija, Italy
15:00 - 15:30 Fetal thorax and lung anomalies
  Andreja Trojner Bregar, Slovenia

PEDIATRICS – POVODNI 1
Pediatrics 4- GIT / Lung US
Chair(s): Wojciech Kosiak, Poland and Annamaria Deganello, United Kingdom
14:30 - 14:45 Pediatric GIT US
  Tomasz Batko, Poland
14:45 - 15:00 Lung US in children
  Wojciech Kosiak, Poland
15:00 - 15:15 CEUS for pediatric lungs
  Annamaria Deganello, United Kingdom
15:20 - 15:30 Selected Oral Presentation
  1154 - Evaluation of hepatic fibrosis in pediatric patients with various hepatobiliary diseases via shear-wave ultrasound elastography
  Melih Akyuz, Suna Ozhan Oktar, Buket Dalgic, Guldal Esendagli Yilmaz, Neslihan Gurcan Yilmaz, Cem Yucel

ESR/EFSUMB Joint Meeting – POVODNI 3
Hand held devices: game changer?
Chair(s): Michel Claudon, France and Paul Sidhu, United Kingdom
14:30 - 14:45 Reviewing the market
  Michael Bachmann Nielsen, Denmark
14:45 - 15:00 Who can use the equipment and reimbursement?
  Roald Flesland Havre, Norway
15:00 - 15:15 Appropriate training
  Helmut Prosch, Austria
15:15 - 15:30 US to train students
  Vito Cantisani, Italy
SELECTED ORAL PRESENTATIONS – POVODNI 4
Chair(s): Saim Yılmaz, Turkey and Branimir Golemanov, Bulgaria

14:30 - 14:40 1043 - Endoscopic biliary drainage vs. US guided percutaneous biliary drainage in the treatment of hilar cholangiocarcinoma
*Tudor Mocan*, Dan Chicianu, Pompilia Radu, Carmen Cruciat, Marcel Tantau, Zeno Sparchez

14:40 - 14:50 1044 - Tumor ablation in the treatment of naive and recurrent yyphe hepatocellular carcinoma
*Tudor Mocan*, Pompilia Radu, Nadim Al Hajjar, Cornel Iancu, Zeno Sparchez

14:50 - 15:00 1060 - Contrast-enhanced ultrasound as an assessment method during microwave ablation for benign thyroid nodules: A prospective study
*Wen-ping Wang*, Zihan Zhang, Lingxiao Liu, Jiaying Cao, Yi Dong

15:00 - 15:10 1081 - Contrast-enhanced ultrasound performance in the evaluation of focal nodular hyperplasia in a multicenter study
*Roxana Sirli*, Ioan Sporea, Larisa Sandulescu, Alina Popescu, Mirela Danila, Tudor Moga, Adrian Safortiu, Zeno Spârchez, Cristina Cijevsch, Simona Ioanitescu, Dana Nedelcu, Iulia Siminov, Ciprian Brisc, Radu Badea

15:10 - 15:20 1084 - Contrast enhanced ultrasound in focal liver lesions – a cost efficiency multicenter study
*Roxana Sirli*, Ioan Sporea, Larisa Sandulescu, Alina Popescu, Mirela Danila, Tudor Moga, Adrian Safortiu, Zeno Spârchez, Cristina Cijevsch, Simona Ioanitescu, Dana Nedelcu, Iulia Siminov, Ciprian Brisc, Radu Badea

15:20 - 15:30 1036 - Assessment of steal phenomenon in MMD patients with combination of t-ASL and MRA
*Xinyi Gao*

15:30 - 15:45 Short Break

EUROSON LECTURE – MARMORNA 1
Chair(s): Odd Helge Gilja, Norway and Christian Nolsoe, Denmark

15:45 - 16:15 Prostate cancer detection and localization by dynamic CEUS
*Massimo Mischi*, Netherlands

*Christian Nolsoe*, Denmark

OBSTETRICS COURSE – URSKA 1

Obstetrics 10 - Interactive Case Discussion
Chair(s): Adnan Kabaalioğlu, Turkey and Aytül Çorbacıoğlu, Turkey

15:45 - 16:15 Hydrops fetalis
*Natasa Tul Mandic*, Slovenia

16:15 - 16:45 Fetal skeletal dysplasias
*Faris Mujezinović*, Slovenia

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FINAL PROGRAM

PEdiATRICS – POVOdni 1
Pediatrics 5-Pediatric CEUS
Chair(s): Paul Sidhu, United Kingdom
15:45 - 16:00 EFSUMB CEUS pediatric statement
Paul Sidhu, United Kingdom
16:00 - 16:15 CEUS for pediatric trauma
Annamaria Deganello, United Kingdom
16:15 - 16:30 CEUS for pediatric liver
Maria Sellars, United Kingdom
16:30 - 16:45 CEUS for pediatric testis

VASCULAR – POVOdni 3
Vascular US
Chair(s): Boris Brkljačić, Croatia and Irene Mastorakou, Greece
15:45 - 16:00 Vascular ultrasound in the era of CTA and MRA
Boris Brkljačić, Croatia
16:00 - 16:15 The carotids: assessment of atherosclerosis
Irene Mastorakou, Greece
16:15 - 16:30 Ultrafast doppler in clinical practice
Gordana Ivanac, Croatia
16:30 - 16:45 Assessment of the vertebobasilar system
Irene Mastorakou, Greece

INterventionAl – POVOdni 4
Chair(s): Christian Jenssen, Germany and Jordan Genov, Bulgaria
15:45 - 16:10 Percutaneous thermal ablation of liver tumors
Jordan Genov, Bulgaria
16:10 - 16:30 The role of CEUS in (E)US-guided interventions”
Christian Jenssen, Germany
16:30 - 16:45 Percutaneous interventional procedures in pancreatic diseases
Jordan Genov, Bulgaria

16:45 - 17:00 Short Break

ABDOMEn / INterventionAl – MArMORnA 1
Interventional Interactive Case Discussion
Chair(s): Zeno Sparchez, Romania and Kağan Çeken, Turkey
17:00 - 17:30 US-Guided Collection and Abscess Drainages
Kağan Çeken, Turkey
17:30 - 18:00 Complications in intervention
Zeno Sparchez, Romania
FINAL PROGRAM

OBSTETRICS COURSE – URSKA 1

Obstetrics 11 - Interactive Case Discussion
Chair(s): Özlem Pata, Turkey and Andreja Trojner Bregar, Slovenia
17:00 - 17:30 Doppler in pregnancy
   Tamara Štampalija, Italy
17:30 - 18:00 Intrauterine Hypoxia
   Alexandros Sotiriadis, Greece

PEDIATRICS – POVODNI 1

Pediatrics Interactive Case Discussion
Chair(s): Wojciech Kosiak, Poland and Maria Sellars, UK
17:00 - 17:20 Pediatric Hip-Screening US
   Maria Sellars, United Kingdom
17:20 - 17:40 Hematology-Oncology Cases (Video Demo) #1
   Tomasz Batko, Poland
17:40 - 18:00 Hematology-Oncology Cases (Video Demo) #2
   Wojciech Kosiak, Poland

VASCULAR – POVODNI 3

Vascular Interactive Case Discussion
Chair(s): Diana Gaitini, Israel and Gordana Ivanac, Croatia
17:00 - 17:20 Renal Doppler: How I do it?
   Diana Gaitini, Israel
17:20 - 17:40 Carotid doppler: How I do it?
   Diana Gaitini, Israel
17:40 - 17:50 Selected Oral Presentation
   1101 - Evaluate the recanalization in deep venous thrombosis using superb microvascular imaging (SMI) and compare diagnostic value of SMI with color and power doppler ultrasonography
   Fatma Zeynep Arslan, Mehmet Sedat Durmaz, Mesut Sivri, Serdar Arslan, Ali Fuat Tekin, Mustafa Dagli
   University Of Health Sciences, Education And Research Hospital, Radiology,
SELECTED ORAL PRESENTATIONS – POVODNI 4
Chair(s): Artür Salmashoğlu, Turkey and Radu Badea, Romania

17:00 - 17:10 1085 - Intraobserver reliability of b mode ultrasonography color Doppler ultrasonography and sonoelastography features of thyroid nodules
Emrah Duman, Ahmet Aslan, Aysenur Buz, Seda Sancak, Mine Aslan, Ender Onur, Tuba Fersahoglu, Nalan Okuroglu

17:10 - 17:20 1071 - Evaluation of normal thyroid parenchyma and hashimoto's thyroiditis with or without colloid nodules by shearwave ultrasonography using virtual touch tissue imaging quantification (vtiq) and virtual touch tissue quantification (vtq) techniques
Onder Turna, Mehtap Erturk

17:20 - 17:30 1073 - Liver focal fatty change evaluated by contrast enhanced ultrasound. a retrospective study in an ultrasound expert center
Tudor Moga, Camelia Foncea, Cristian Ivascu, Alina Popescu, Diana Gherhardt, Corina Pienar, Ruxandra Mare, Felix Bende, Roxana Sirlii, Mirela Danila, Ioan Sporea

17:30 - 17:40 1074 - Contrast enhanced ultrasound in focal liver lesions can we rely on it
Richard Azevedo, Cátia Leitão, Helena Ribeiro, João Pinto, Flávio Pereira, Ana Caldeira, Eduardo Pereira, António Banhudo

17:40 - 17:50 1076 - Liver stiffness values using elastpq in healthy subjects
Ruxandra Mare, Ioan Sporea, Alina Popescu, Roxana Sirli
FINAL PROGRAM

ABDOMEN – MARMORNA 1

**Elastography**
*Chair(s): Fabio Piscaglia, Italy and Ivica Grgurević, Croatia*

08:30 - 09:00
Same stiffness thresholds for liver diffuse disease with the various US elastography machines?
*Fabio Piscaglia, Italy*

08:50 - 09:25
Doppler in portal hypertension in the era of elastography
*Ivica Grgurević, Croatia*

09:25 - 09:50
Significance of elastography in patients with viral hepatitis naive or after antivirals
*Sudhir Vinayak, Kenya*

09:50 - 10:00
Selected Oral Presentation

1012 - The measurement of normal spleen elasticity using 2d shear wave elastography
*Eda Albayrak*

INTERVENTIONAL – POVODNI 1

*Chair(s): Christian Nolsoe, Denmark and Bjorn Skjoldbye, Denmark*

08:30 - 09:00
US guided abdominal drainages - the basic principles
*Bjorn Skjoldbye, Denmark*

09:00 - 09:25
What’s new? What is the impact of CEUS in Interventions?
*Christian Nolsoe, Denmark*

09:25 - 09:50
PET/MRI/US guided biopsy of lymphomas
*Caroline Ewertsen, Denmark*

09:50 - 10:10
Selected Oral Presentations

1017 - Biopsy of abdominal target lesions under contrast enhanced ultrasound guidance. a multicenter study
*Giampiero Francica*, Ilario De Sio, Maurizio Pompili, Fulvia Terracciano, Eugenio Caturelli, Maria Franca Meloni

1147 - Role of ultrasound guided lymph node biopsy in the diagnosis of suspected lymphadenopathy
*Gianpaolo Vidili*, Chiara Pes, Valentina Spissu, Immacolata Albioni, Pierluigi Meloni, Upinder Dial, Gianni Pes, Andrea Ercole Satta
FINAL PROGRAM

GENITO-URINARY – POVODNI 2
**Penile and Testicular US**  
Chair(s): Michele Bertolotto, Italy and Paul Sidhu, United Kingdom  
08:30 - 08:50 Management of impalpable testicular masses – the role of multiparametric US  
*Simon Freeman, United Kingdom*  
08:50 - 09:10 Testicular torsion in boys  
*Rasa Augustiniene, Lithuania*  
09:10 - 09:30 CEUS in testis/scrotum acute and chronic diseases  
*Michele Bertolotto, Italy*  
09:30 - 09:50 Penile US  
*Michele Bertolotto, Italy*  
09:50 - 10:00 Selected Oral Presentation  
1162 - Reliability of testicular stiffness quantification using shear wave elastography in predicting male fertility a preliminary prospective research report  
*Alpaslan Yavuz, Adem Yokus, Kerem Taken, Harun Arslan, Mesut Ozgokce, Abdussamet Batur*

NEUROSONOLOGY – POVODNI 3
**ESNCH Session - Update in Neurosonology**  
Chair(s): Natan Borstein, Israel and Eva Bartels, Germany  
08:30 - 08:45 Carotid US and cognition  
*Janja Pretnar-Oblak, Slovenia*  
08:45 - 09:00 Cerebrovascular vasoreactivity in assessment of subclinical cerebrovascular disease  
*Arijana Lovrencic-Huzjan, Croatia*  
09:00 - 09:15 HITS in daily practice  
*Branko Malojcic, Croatia*  
09:15 - 09:30 Use of contrast agents in extra- and transcranial duplex ultrasonography  
*Eva Bartels, Germany*  
09:30 - 09:45 Sonographic evaluation of cerebral parenchyma in neuropsychiatric diseases  
*Milija Mijajlovic, Serbia*

STUDENT SESSIONS – POVODNI 4
**ABC in Ultrasonography 1**  
Chair(s): Adrian Saftoiu, Romania  
08:30 - 08:45 The Spectrum of US  
*Adnan Kabaalioglu, Turkey*  
08:45 - 09:00 The view in the body – Abdominal US exam technique  
*Alina Popescu, Romania*
FINAL PROGRAM

09:00 - 09:15  Small introduction in US machines’ technical details
  **Sebastian Krog, Germany**

09:15 - 09:30  Abdominal vessels – ultrasound landmarks
  **Horst Kinkel, Germany**

09:30 - 09:45  US exam of the liver – technique and pathology examples
  **Dieter Nüernberg, Germany**

09:45 - 10:00  US exam of the gall bladder – technique and pathology examples
  **Alina Popescu, Romania**

10:00 - 10:45  Short Oral Presentations – Ultrasound Learning Center
  *Chair(s): Gülgün Demir Polat, Turkey and Branimir Golemanov, Bulgaria*

  10:00 - 10:07  1133 - A comparative study of shear wave and strain elastography in solid liver lesions preliminary results
  **Sinem Aydin**, Seyma Yildiz, Ozlem Korkmaz, Alpay Alkan

  10:07 - 10:14  1020 - Acute appendicitis or lymphoid hyperplasia how to distinguish more safely
  **Sonay Aydin**, Cihat Tek, Elif Ergun, Omer Kazci, Pinar Kosar

  10:14 - 10:21  1093 - ULTRASOUND shear wave elastography in prostate cancer
  **Søren Rafaelsen**, Chris Vagn-hansen, Torben Sørensen, Anuj Pareek, Jonathan Carlsen, Inge Mejlholm

  10:21 - 10:28  1137 - The value of ultrasonography in evaluation of the patient with acute gastrointestinal injury a pilot study
  **Xiu-ping Fan**, Ying Zhang, Qiang Zhu

  10:28 - 10:35  1090 - Sonoelastographic features of quadriceps tendon in patients with chronic renal failure
  **Yildiz Gulseren**, Ahmet Aslan, Ahmet Aktan, Mine Aslan

  10:35 - 10:42  1059 - Feasibility of using virtual touch imaging & quantification technology to determine pancreatic ductal adenocarcinomas stiffness in C57BL 6 rats model
  **Yi Dong**, Feng Mao, Jiaying Cao, Yongjian Jiang, Wenping Wang

10:00 – 10:30  Coffee Break

ABDOMEN – MARMORNA 1

**How to scan the bowels**
*Chair(s): Dieter Nuernberg, Germany and Klaus Dirks, Germany*

  10:30 - 10:50  How to scan the intestines
  **Kim Nylund, Norway**

  10:50 - 11:10  Ultrasound is a useful tool in appendicitis
  **Klaus Dirks, Germany**

  11:10 - 11:30  The clinical usefulness of ultrasound in IBD
  **Rune Wilkens, Denmark**

  11:30 - 11:50  Ultrasound for the detection of ileus
  **Dieter Nuernberg, Germany**

  11:50 - 12:00  Selected Oral Presentation
  1062 - Development of a novel simplified ultrasound score for Crohn’s disease activity
  **Kim Nylund**, Fredrik Sævik, Hilde Løland Von Volkmann, Trygve Hausken, Odd Helge Gilja
### FINAL PROGRAM

#### INTERVENTIONAL – POVODNI 1

**Interventional / Vascular**  
Chair(s): Saim Yılmaz, Turkey and Diana Gaitini, Israel  

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<th>Speaker</th>
<th>Institution</th>
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<tr>
<td>10:30</td>
<td>Lower extremity varicose veins: Tips and tricks for the US diagnosis</td>
<td>Saim Yılmaz</td>
<td>Turkey</td>
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<td>10:50</td>
<td>Lower Extremity Doppler: How I do it?</td>
<td>Diana Gaitini</td>
<td>Israel</td>
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<td>11:20</td>
<td>US-Guided endovenous treatment of venous insufficiency and varicose veins</td>
<td>Saim Yılmaz</td>
<td>Turkey</td>
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<td>11:50</td>
<td>Selected Oral Presentation</td>
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<td>12:00</td>
<td>1008 - The importance of great saphenous vein types and segmental aplasia in venous reflux</td>
<td>Elif Evrim Ekin, Hülya Kurtul Yildiz</td>
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#### GENITO-URINARY – POVODNI 2

**Clinical Applications of Transrectal / Transperineal US**  
Chair(s): Adrian Saftoiu, Romania and Roald Havre, Norway  

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<tr>
<td>10:30</td>
<td>Sonoanatomy and indications of transrectal/transperineal US</td>
<td>Dieter Nurnberg</td>
<td>Germany</td>
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<td>10:45</td>
<td>New techniques for the US evaluation of anorectal diseases</td>
<td>Christoph F. Dietrich</td>
<td>Germany</td>
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<td>11:00</td>
<td>Clinical impact of TRUS in the staging of colorectal CA</td>
<td>Jo Waage</td>
<td>Denmark</td>
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<td>11:15</td>
<td>Endoanal US for perianal fistulas and inflammations</td>
<td>İsmail Mihmanlı</td>
<td>Turkey</td>
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<td>11:30</td>
<td>Therapeutic interventions guided by transrectal / transperineal US</td>
<td>Dirk Clevert</td>
<td>Germany</td>
</tr>
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<td>11:45</td>
<td>New EFSUMB guidelines of TRUS/TPUS</td>
<td>Adrian Saftoiu</td>
<td>Romania</td>
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#### PHYSICS AND SAFETY – POVODNI 3

**Technology Physics and Safety**  
Chair(s): Gail Ter Haar, United Kingdom  

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<tr>
<td>10:30</td>
<td>New kids on the block: New techniques &amp; technologies, their use &amp; relevant safety considerations</td>
<td>Klaus Jenderka</td>
<td>Germany</td>
</tr>
<tr>
<td>10:45</td>
<td>How high is too high? How to use on-screen safety messages</td>
<td>Gail Ter Haar</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>11:00</td>
<td>Can I use hand held devices in obstetrics (or anywhere else) – are they safe?</td>
<td>Kjell Salvesen</td>
<td>Norway</td>
</tr>
<tr>
<td>11:15</td>
<td>A bio-effect in the wrong place is a hazard – the good, the bad, and the ugly</td>
<td>Nico de Jong</td>
<td>Netherlands</td>
</tr>
<tr>
<td>11:30</td>
<td>To push or not to push? That is the question – is ARFI safe?</td>
<td>Carla Serra</td>
<td>Italy</td>
</tr>
<tr>
<td>11:45</td>
<td>Ten essential things everyone should know about ultrasound safety</td>
<td>Christian Kollmann</td>
<td>Austria</td>
</tr>
</tbody>
</table>
FINAL PROGRAM

WFUMB LECTURE / HANS HENRIK HOLM LECTURE – POVODNI 4
Chair(s): Odd Helge Gilja, Norway and Sudhir Vinayak, Kenya

WFUMB Lecture
10:30 - 11:15 Ultrasound integration into the Medical School Curriculum
Harvey Nisenbaum, USA

Hans Henrik Holm Lecture
11:15 - 12:00 Simulators and hand-held ultrasound: Is that the way it goes?
M. Bachmann Nielsen, Denmark

12:00 - 13:00 Break

ABDOMEN – MARMORNA 1
CEUS
Chair(s): Jan Tuma, Switzerland and Simon Freeman, United Kingdom
13:00 - 13:20 CEUS of the spleen
Simon Freeman, United Kingdom
13:20 - 13:45 CEUS in kidney disease
Jan Tuma, Switzerland
13:45 - 14:10 Microvascular imaging flow in Focal liver lesions
Ksenija Vuković, Slovenia
14:10 - 14:30 Selected Oral Presentation
1039 - Evaluation of renal lesions using contrast enhanced ultrasound (ceus); a 10 year retrospective mono center analysis
Johannes Rübenthaler, Marco Armbruster, Katharina Müller-peltzer, Maximilian Reiser, Dirk-andré Clevert
14:20 - 14:30 1080 - Contrast enhanced ultrasound for the characterization of malignant vs. benign focal liver lesions in a prospective multicenter experience study
Ioan Sporea, Larisa Sandulescu, Roxana Sirli, Alina Popescu, Mirela Danila, Tudor Moga, Adrian Saffou, Zeno Spárchez, Cristina Cijevschi, Simona Ioanitescu, Dana Nedelcu, Iulia Siminov, Ciprian Brisc, Radu Badea

INTERVENTIONAL – POVODNI 1
Chair(s): Mustafa Seçil, Turkey and Roald Havre, Norway
13:00 - 13:25 Cystic pancreatic lesions: Improved diagnostic accuracy with EUS contrast, micro biopsy and cyst fluid aspiration?
Roald Havre, Norway
13:25 - 13:50 The role of EUS in acute pancreatitis
Davorin Ćeranić, Slovenia
13:50 - 14:20 Intraoperative and Laparoscopic US in Abdomen
Mustafa Seçil, Turkey
14:20 - 14:30 Selected Oral Presentation
1033 - The role of intraoperative ultrasonography in detection of hepatic vascular variations in living donor liver transplantation
Uğur Kesimal, Kağan Çeken, Adnan Kabaalioğlu, Ayhan Dinçkan, Emel Durmaz, Metin Çubuk, Ali Apaydın, Timur Sindel
GENITO-URINARY – POVODNI 2
Genitourinary / Prostate
Chair(s): Adnan Kabaalioğlu, Turkey and Pavlos Zoumpoulis, Greece

13:00 - 13:25 Testicular masses; Differential Diagnosis
   Adnan Kabaalioğlu, Turkey

   İşmail Mihmanlı, Turkey

13:50 - 14:20 Prostate US
   Pavlos Zoumpoulis, Greece

14:20 - 14:30 Selected Oral Presentation
   1066 - The influence of vascular factors on kidney shear wave speed measured using the elastpq technique
   Flaviu Bob, Iulia Grosu, Ioan Sporea, Romulus Timar, Daniel Lighezan, Alina Popescu, Roxana Sirli, Roxana Buzas, Ligia Petrica, Adalbert Schiller

OBSTETRICS / GYNECOLOGY – POVODNI 3
Chair(s): Sudhir Vinayak, Kenya and Alexandros Sotiriadis, Greece

13:00 - 13:20 New standards and techniques for fetal dating scans
   Sudhir Vinayak, Kenya

13:20 - 13:50 Intrauterine infections
   Alexandros Sotiriadis, Greece

13:50 - 14:10 Training midwives to perform basic Obstetric PoCUS in rural areas
   Sudhir Vinayak, Kenya

14:10 - 14:30 Selected Oral Presentations
   1031 - Measuring the pregnant cervix to improve clinical outcomes
   Susan Westerway, Jon Hyett, Lars Henning Pedersen

   1122 – 3D pixelflux measurements of uterine arterial flow volume from 2d color doppler videos in high risk pregnancies
   Thomas Scholbach, Helene Caroline Arneberg, Thea Anette Andersen, Liv Lorås, Hans Torp, Torbjørn Moe Eggebø
FINAL PROGRAM

STUDENT SESSIONS – POVODNI 4
ABC in Ultrasonography 2
Chair(s): Adrian Saftoiu, Romania
13:00 - 13:15 US exam of the pancreas – technique and pathology examples
Adrian Saftoiu, Romania
13:15 - 13:30 US exam of the kidneys – technique and pathology examples
Alexander Sachs, Austria
13:30 - 13:45 US exam of the spleen and abdominal lymph nodes – technique and pathology examples
Zeno Sparchez, Romania
13:45 - 14:00 US exam of the digestive tube – technique and pathology examples
Odd Helge Gilja, Norway
14:00 - 14:15 Where to check for free fluid – FAST US
Matthias Wuestner, Germany
14:20 - 14:30 Selected Oral Presentation
1104 - Enhancement pattern of hepatocellular carcinoma on contrast enhanced ultrasound examination in patients with chronic liver disease
Mirela Danila, Ioan Sporea, Roxana Sirli, Alina Popescu, Tudor Moga, Ana-Maria Stepan

14:30 - 15:00 Coffee Break

ELASTOGRAPHY – MARMORNA 1
US Elastography
Chair(s): Sorin Dudea, Romania and Roel Verhoeven, Netherlands
15:00 - 15:20 Elastography: Experience with strain and shear wave methods in vitro and in liver scanning
Roald F Havre, Norway
15:20 - 15:40 Elastography can differentiate benign and malignant lung nodules
Roel Verhoeven, Netherlands
15:40 - 16:00 Sonoelastography of thyroid nodule: an update
Sorin Dudea, Romania

INTERVENTIONAL – POVODNI 1
INVUS Guidelines
Chair(s): Christoph F. Dietrich, Germany and Paul Sidhu, United Kingdom
15:00 - 15:20 US-guided diagnostic procedures
Paul Sidhu, United Kingdom
15:20 - 15:40 US-guided treatments
Christoph F. Dietrich, Germany
15:40 - 16:00 Endoscopic US-guided interventions
Christian Jenssen, Germany
FINAL PROGRAM

CEUS – POVODNI 2
Chair(s): Fabio Piscaglia, Italy and Ioan Sporea, Romania
15:00 - 15:20 US and CEUS of focal liver lesions in cirrhosis, screening and characterization. Which use for daily practice? Fabio Piscaglia, Italy
15:20 - 15:40 Pediatric masses: Impact of CEUS Dagmar Schreiber-Dietrich, Germany
15:40 - 16:00 CEUS versus doppler in liver masses Ioan Sporea, Romania

SELECTED ORAL PRESENTATIONS – POVODNI 3
Chair(s): Pavlos Zoumpoulis, Greece and Gülgün Kavukçu, Turkey
15:00 - 15:10 1051 wear wave elastography ge in the assessment of patients with chronic kidney disease Flaviu Bob, Iulia Grosu, Ioan Sporea, Alina Popescu, Roxana Sirli, Ligia Petrica, Adalbert Schiller
15:20 - 15:30 1100 - The evaluation of soft tissue changes with sonoelastography in acromegaly patients Emrah Solmaz, Emrah Caglar, Dilek Arpaci, Taner Bayraktaroglu, Serkan Guneyli, Iker Oz
15:30 - 15:40 1103 – 2D shear wave elastography in differentiating parathyroid adenomas from thyroid nodules Mihaela Vlad, Ioana Golu, Ioana Zosin, Maria Oprea, Daniela Amzar, Melania Balas, Ioan Sporea
15:40 - 15:50 1125 - Preoperative lymph node dignity determination by dynamic perfusion measurements with the pixelflux technique Thomas Scholbach, Nora Hennebach
15:50 - 16:00 1131 - What to do when transient elastography is not feasible Raluca Lupusory, Ioan Sporea, Alina Popescu, Roxana Sirli, Mirela Danila, Claudia Zaharia, Radu Moleriu

STUDENT SESSIONS – POVODNI 4
Chair(s): Matthias Wuestner, Germany and Katerina Chatzimichail, Greece
15:00 - 15:30 Potential of Ultrasound Simulators in Teaching Matthias Wuestner, Germany
15:30 - 16:00 CEUS evaluation of Focal Liver Lesions Katerina Chatzimichail, Greece

16:00 - 16:30 CLOSING SESSION
# POSTERS

**P1 - 1002** - PICTORIAL VIDEO REVIEW OF MEDIAN NERVE ULTRASOUND  
*Bora Kalaycioglu*, Bahattin Ozkul

**P2 - 1003** - IDIOPATHIC RADIAL ARTERY ANEURYSM  
*Bora Kalaycioglu*, Zeki Talas²

**P3 - 1118** - A RARE CASE OF INGUINAL HERNIA URINARY BLADDER HERNIATION MIMICKING MASS  

**P4 - 1145** - COEXISTENCE OF GRANULOMATOUS MASTITIS AND DCIS  

**P5 - 1112** - THE ROLE OF DIFFERENT NONINVASIVE FIBROSIS ASSESSMENT SCORES IN THE EVALUATION OF LIVER FIBROSIS IN NAFLD PATIENTS  
*Alina Popescu*, Ioan Sporea, Diana Gherhardt, Corina Pienar, Adina Braha, Alexandra Sima, Roxana Sirli, Mirela Danila, Cristina Filip, Silviu Nistorescu, Raluca Lupusoru, Alin Lazar, Camelia Foncea, Tudor Moga, Romulus Timar

**P6 - 1007** - CORONARY FISTULAS AND SHUNTS IN TERMS OF LOCAL HEMODYNAMICS  
*Andrey Tsokolov*, Stepan Terentyev, Dmytrii Lushchenkov

**P7 - 1011** - CASE HISTORY OF OBSTINATE SUBFEBRILITATE RESISTANT TO THE COMBINED ANTIBACTERIAL THERAPY IN PATIENT WITH THE PACEMAKER  
*Andrey Tsokolov*, Dmitrii Lushchenkov

**P8 - 1153** - ASSESSING LIVER STIFFNESS USING 2D SHEAR WAVE ELASTOGRAPHY IN A HEALTHY COHORT  
Felix Bende, *Anesa Mulabecirovic*, Ioan Sporea, Alina Popescu, Roxana Sirli, Odd Helge Gilja, Mette Vesterhus, Roald Flesland Havre

**P9 - 1008** - THE IMPORTANCE OF GREAT SAPHENOUS VEIN TYPES AND SEGMENTAL APLASIA IN VENOUS REFLUX  
*Elif Evrim Ekin*, Hulya Kurtul Yildiz

**P10 - 1067** - REAL TIME BIDIMENSIONAL SHEARWAVE ELASTOGRAPHY (TOSHIBA®) IN THE ASSESSMENT OF CLINICAL SIGNIFICANT PORTAL HYPERTENSION  
Marta Abadia, María Luisa Montes, Dolores Ponce, Alberto Borobia, Miriam Romero , Teresa Hernández, Joan Novo, Joaquín Poza, Araceli García, Rubén Fernández, Pilar Castillo, Javier García-samaniego, José Carlos Erdozain, *Antonio Oliveira*

**P11 - 1009** - CONTRIBUTION OF SUPERIOR THYROID ARTERY DOPPLER TO DIFFERENTIAL DIAGNOSIS OF GESTATIONAL AND NON AUTOIMMUNE HYPERTHYROIDISM  
Tugba Duraklioğlugil, *Arzu Turan*
POSTERS

P12 - 1116 - RARE CASES OF EXTREMELY DILATED URINARY BLADDER
Atanas Hilendarov, Antonia Nedeva, Daniela Alexieva

P13 - 1046 - SONOGRAPHIC ASSESSMENT OF DIFFERENT SONOGRAPHIC HIP CLASSES IN NEWBORNS ONE CENTER STUDY
Atoosa Adibi

P14 - 1047 - HOW TO APPROACH TO AN OVARIAN CYST DETECTED BY ULTRASOUND IN AN ULTRASOUND REPORT
Atoosa Adibi

P15 - 1161 - A CONTROVERSIAL CASE OF MASSIVE PORTAL THROMBOSIS
Carlo Acierno, Mafalda Di Caterino, Natalina Iuliano, Annalisa Amelia, Pasquale Perillo, Valentina Sirotti, Riccardo Nevola, Luigi Elio Adinolfi, Luca Rinaldi

P16 - 1096 - TWO DIMENSIONAL SHEAR WAVE ELASTOGRAPHY IN CHILDREN LINEAR VERSUS CONVEX PROBE
Corina Pienar, Ioan Sporea, Diana Gherhardt, Alina Popescu, Oana Belei, Ioana Ciuca, Corina Paul, Puiu-iulian Velea

P17 - 1098 - ULTRASOUND BASED ELASTOGRAPHY AND BIOLOGICAL SCORES FOR ASSESSING NAFLD IN OBESE CHILDREN
Corina Pienar, Ioan Sporea, Diana Gherhardt, Alina Popescu, Oana Belei, Ioana Ciuca, Corina Paul, Puiu-iulian Velea

P18 - 1088 - HEPATOCELLULAR CARCINOMA DIAGNOSTIC PERFORMANCE OF LIVER IMAGING REPORTING AND DATA SYSTEM FOR CONTRAST ENHANCED ULTRASOUND AND OF QUANTITATIVE CONTRAST ENHANCED ULTRASOUND
Cosmin Gabriel Cristea, Larisa Daniela Sândulescu, Adrian Săftoiu, Ioana Andreea Gheonea, Sergiu Marian Cazacu, Tudorel Ciurea

P19 - 1107 - EXPERIENCE OF TARGETED MR TRUS FUSION BIOPSIES IN DETECTION OF PROSTATE CANCER IN PATIENTS WITH NEGATIVE RESULTS OF THE PREVIOUS STANDARD TRUS BIOPSIES
Daria Dolgacheva, Boris Alekseev, Stanislav Stepanov, Nataliya Skreptsova, Andrey Koryakin, Dmitriy Roshin

P20 - 1099 - A RARE CAUSE OF INTUSSUSCEPTION IN ADULT INTESTINAL LIPOMATOSIS
Deniz Guvenir, Mustafa Tasar, Salih Hamcan, Bulent Karaman, Uğur Bozlar

P21 - 1049 - INTRAOBSERVER REPRODUCIBILITY OF TWO DIMENSIONAL SHEAR WAVE ELASTOGRAPHY IN CHILDREN
Diana Gherhardt, Corina Pienar, Puiu-iulian Velea, Oana Belei, Alina Popescu, Ioan Sporea

P22 - 1041 - GALLBLADDER MOTILITY PATTERNS IN INTERCRITIC PERIODS IN YOUNG FEMALES MIGRENEURS
Doina Georgescu, Daniela Reisz, Florina Andrica, Mihaela Munteanu
POSTERS

P23 - 1030 - HEPATIC HEMANGIOMAS IN CHILDREN THE FEASIBILITY OF ULTRASOUND EXAMINATION
Anna Sugak, Elena Feoktistova, Michail Tarasov, Roman Moiseenko, Anton Petrushin, Dmitry Shevzov

P24 - 1127 - DIFFERENT STANDARD AND CONTRAST ENHANCED ULTRASOUND FINDINGS IN TWO CASES OF SPLENIC LYMPHOMA ON HEPATITIS C VIRUS INFECTION
Elena Simona Ioanitescu, Adriana Mercan Stanciu, Catalina Rotaru, Elena Laura Iliescu

P25 - 1130 - PARTICULAR ULTRASONOGRAPHIC FEATURES IN BUDD CHIARI SYNDROME ACCORDING TO ETIOLOGY
Elena Simona Ioanitescu, Elena Laura Iliescu, Mariana Mihaila, Eugenia Mindrut, Ionel Copaci

P26 - 1106 - ULTRASONOGRAPHY EVALUATION OF THE INHERENT RHYTHMIC MOVEMENT OF THE SUPERFICIAL MUSCULAR FASCIA A PILOT STUDY
Giacomo Consorti, Felice Sperandeo, Gianluca Sperandeo

P27 - 1124 - MEN 2 SONOGRAPHIC DIAGNOSIS
Funda Dinc Elibol, Cenk Elibol

P28 - 1019 - RADIOFREQUENCY ABLATION (RFA) USING MULTIPLE ELECTRODE SWITCHING SYSTEM FOR UNRESECTABLE MEDIUM LARGE HEPATOCELLULAR CARCINOMA (HCC) NODULES. PRELIMINARY EXPERIENCE
Giampiero Francica, Federica Romano, Umberto Codella, Isabella Iadevito, Ettore Laccetti, Michela Tanga, Mariano Scaglione

P29 - 1042 - COEXISTENCE OF PHEOCHROMOCYTOMA AND MULTIFOCAL THYROID PAPILLARY MICROCARCINOMA
Serap Gülçek, Emre Alp, Hediye Sevinç Bostanoğlu, Hamza Özer

P30 - 1111 - POORLY DIFFERENTIATED THYROID CARCINOMA WITH INTERNAL JUGULAR VEN INVASION AND LUNG METASTASES
Serap Gülçek, Hamza Özer, Aysun Erdogan

P31 - 1055 - A RARE CAUSE OF ACUTE PANCREATITIS IN CHILDREN; DUODENAL DUPLICATION CYST
Hatice Ayça Ata Korkmaz, Ulaş Emre Akbulut, Seda Kanbağlı

P32 - 1045 - ULTRASONOGRAPHIC APPROACH AND IMAGING FINDINGS OF SKIN AND PREMAMMARY ZONE OF THE BREAST
Hye-won Kim

P33 - 1105 - DIAGNOSTIC VALUE OF 2D SHEAR WAVE ELASTOGRAPHY IN THYROIDITIS
Ioana Golu, Mihaela Vlad, Daniela Amzar, Melania Balas, Romulus Timar, Ioan Sporea
POSTERS

P34 - 1142 - EFFECTIVE AND SAFE CONTROL OF LIVER METASTASES FROM CRC AND OTHER NEOPLASMS
Irina Boeva, Jordan Genov, Rumiana Mitova, Kaloyan Pavlov, Borislav Vladimirov, Gergana Taneva, Rumiana Hristova, Klimentina Gerdjikova, Nikola Grigorov, Plamen Getsov, Dobromir Sotirov, Ivan Terziev

P35 - 1095 - LIVER SHEAR WAVE VELOCITY MEASUREMENTS IN PATIENTS WITH HEPATITIS B AND C DOES THE LOCATION OF MEASUREMENT AND PATIENTS RESPIRATION AFFECT PERFORMANCE
Atilla Suleyman Dikici, Deniz Alis, Serkan Akbas, Sedat Giray Kandemirli, Fatih Gulsen, Ilker Inanc Balkan, Nuray Kepil, Ismail Mihmanli

P36 - 1063 - SONOGRAPHIC APPEARANCE OF INTRATHYROID ECTOPIC THYMUS
Ilhan Hekimsoy, Sadik Tamsel, Gulgün Kavukçu, Süha Süreyya Özbek

P37 - 1064 - AN ATYPICAL LARGE CISTERNA CHYLI CASE THAT MIMICS RETROPERITONEAL MASS
Ilhan Hekimsoy, Sadik Tamsel, Gulgün Kavukçu, Mustafa Harman, Nevra Elmas, Süha Süreyya Özbek

P38 - 1069 - NOT SURE OF PARENCHYMAL HETEROGENEITY GIVE A CHANCE TO COLOR CODED IMAGES
Ilker Özgür Koska

P39 - 1026 - THE ROLE OF SONOElastography IN ORBITAL MASSES
Ismail Akdulum, Rahmi Duman, Zeynel Yologlu, Ramazan Tiken, Feyza Kabar, Mehmet Balci, Bilgin Kadri Aribaş

P40 - 1079 - DETERMINATION OF HEPATIC SEGMENT IN INTRAHEPATIC TUMOR USING ULTRASOUND CONTRAST AGENT (SONAZOID) CAN IT HELP THE SURGEON DECIDE HEPATIC SEGMENTECTOMY OR SECTIONECTOMY
Jinhan Cho, Sangyun Lee, Heejin Kwon

P41 - 1089 - TREATMENT OF A HEPATOBLASTOMA IN A 1 YEAR OLD BOY BY INTRAOPERATIVE ULTRASOUND GUIDED RADIOFREQUENCY ABLATION WITH 3 YEARS FOLLOW UP
Kagan Ceken, Adnan Kabaaalioglu, Emel Durmaz, Can Cevikol, Elif Güler, Mustafa Melikoglu, Timur Sindel

P42 - 1138 - MICROWAVE AND RADIOFREQUENCY ABLATION RESULTS IN TREATMENT OF LIVER MALIGNANCY IN 450 PATIENTS
Kaloyan Pavlov, Jordan Genov, Rumyana Mitova, Dobromir Sotirov, Irina Boeva, Gergana Taneva, Rumyana Hristova, Plamen Getsov, Ivan Terziev, Borislav Vladimirov, Nikola Grigorov

P43 - 1048 - ROLE OF COLOR DOPPLER SONOGRAPHY IN THE EVALUATION OF PRESSURE ULCERS IN HYPOECHOIC AREAS
Koichi Yabunaka, Gojiro Nakagami, Tomomitsu Miyagaki, Sanae Sasaki, Hiromi Sanada
POSTERS

**P44 - 1037** - STRAIN ELASTOGRAPHY DIAGNOSTIC VALUE IN ASSESSMENT OF BI RADS 4 LESIONS
Kristina Bojanic, Damir Timac, Gordana Ivanac, Mirta Pavocvski, Miroslav Sikora, Kristina Kralik, Darija Arambaić Ćurić

**P45 - 1121** - OVULATION INDUCTION IN POLYCYSTIC OVARIAN DISEASE THROUGH ULTRASOUND GUIDED FOLLICULAR ASPIRATION
M.yousri Amin, Mohamed Ramadan, Mohamed Hussin, Emad Khalifa, Mona Gaber

**P46 - 1040** - ROLE OF SHEAR WAVE ELASTOGRAPHY IN PREDICTION OF RESPONSE TO NEOADJUVANT CHEMOTHERAPY IN LOCALLY ADVANCED BREAST CANCER
Niraj Kumar, Manavjit Singh Sandhu, Tulika Singh, Gurpreet Singh, Amanjit Bal, Niranjan Khandelwal

**P47 - 1149** - ULTRASOUND CRITERIA IN THE IMAGISTIC DIAGNOSIS OF PERICARDIAL EFFUSION
Maria Cristina Bezna, Marinela Bezna, Doina Carstea, Camelia Poenaru, Sorin Bezna, Octavian Istratoaie

**P48 - 1086** - SONOGRAPHIC MEASURED SUBCUTANEOUS FAT THICKNESS AS A PREDICTOR OF CORONARY ARTERY DISEASE
Maryam Moradi, Amir Nosrati, Mehdi Karami, Amir Reza Sajjadieh Khajouei

**P49 - 1134** - ULTRASOUND GUIDED MORTONS NEUROMA TREATMENT
Bulent Karaman, Mehmet Ersen, Salih Hamcan, Hatice Tuba Sanal, Mustafa Tasar

**P50 - 1135** - NONSPECIFIC BREAST GRANULOMA; A RARE MIMICKER OF BREAST CARCINOMA
Salih Hamcan, Mehmet Ersen, Bulent Karaman, Hatice Tuba Sanal

**P51 - 1136** - INTRATHYROIDAL ECTOPIC THYMUS PRESENTING AS AN ATYPICAL THYROID NODULE
Onur Taydas, Emre Unal, Mehmet Ruhi Onur, Erhan Akpinar

**P52 - 1143** - SCROTAL TRAUMA SONOGRAPHIC FINDINGS
Mehmet Ruhi Onur, Emre Unal, Ali Devrim Karaosmanoglu, Erhan Akpinar

**P53 - 1144** - NONTRAUMATIC ACUTE SCROTUM
Mehmet Ruhi Onur, Emre Unal, Ali Devrim Karaosmanoglu, Erhan Akpinar

**P54 - 1014** - STRAIN INDEX VALUES IN THE ULTRASONOGRAPHIC EVALUATION OF PSORIASIS
Serdal Citil, Mehmet Sait Menzlicligolu, Yasemin Akman, Fatih Tuten, Guliay Gungor

**P55 - 1109** - SONOGRAPHY GUIDED PERCUTANEOUS THROMBIN INJECTION FOR TREATMENT OF BRACHIAL ARTERY PSEUDOANEURYSM
Mehmet Semih Cakir, Ilhan Nahit Mutlu, Mehmet Hamza Türkcanoğlu, Melis Baykara Ulusan, Özgür Kiliçkesmez
POSTERS

**P56 - 1155** - PEDUNCULATED LIVER TUMOR CAPILLARY HEMANGIOMA SURROUNDED BY FOCAL CIRRHOSIS A CASE REPORT
Meri Trajkovska, Aleksandar Shumkovski, Rozalinda Popova-jovanovska, Nikola Brzanov, Vesna Janevska

**P57 - 1139** - HERLYN WERNER WUNDERLICH SYNDROME WITH INITIAL PRESENTATION OF ENDOMETRIOSIS
Mesut Ozgöke, Fatma Durmaz, Alpaslan Yavuz, Harun Arslan, Abdussamet Batur, Veysel Ayyıldız, Mehmet Melek

**P58 - 1141** - A PEDIATRIC CASE OF SIGMOID COLON MALIGNANCY PRESENTED WITH KRUKENBERG TUMOR
Mesut Ozgöke, Fatma Durmaz, Alpaslan Yavuz, Harun Arslan, Abdussamet Batur, Veysel Ayyıldız, Kemal Ağengin

**P59 - 1117** - INOCULE HYDATIC CYST PRESENTING AS PELVIC MASS
Mesut Özgökçe, Alpaslan Yavuz, Harun Arslan, Abdussamet Batur, Abdusselam Özdemir, Çetin Kotan

**P60 - 1004** - MULTISEPTATE GALLBLADDER IN AN ASYMPTOMATIC YOUNG WOMAN
Mete Özdikici

**P61 - 1006** - PURE LIPOMA OF THE UTERUS A RARE CASE REPORT WITH REVIEW OF LITERATURE
Mete Özdicikçi

**P62 - 1091** - UNUSUAL SITES OF HYDATID DISEASE SONOGRAPHIC FINDINGS OF TWO CASES
Mustafa Abali, Ugurcan Balyemez, Ugur Bozlar, Mustafa Tasar

**P63 - 1028** - A ROLE OF THE LINEAR PROBE IN A DIAGNOSIS OF THE DISEASES INVOLVED LUNG INTERSTITIAL SPACES
Natalia Buda, Wojciech Kosiak

**P64 - 1023** - EVALUATION OF ULTRASOUND ELASTOGRAPHY RESULTS IN GYNECOMASTIA PATIENTS
Samet Genez, Nuray Voyvoda, Tülay Özer

**P65 - 1102** - MRI VS CEUS LET THE CHALLENGE BEGIN
Ortansia Doryforou, Michail Goumenakis, Vasiliki Atlasi, Christos Tekedis, Nikolaos Gidarakos, Dimitrios Matsaridis, Maria Gkagkanasiou, Emmanouil Skoulikaris, Konstantinos Dritsakos

**P66 - 1061** - SPLEEN STIFFNESS EVALUATED BY ACOUSTIC RADIATION FORCE IMPULSE (ARFI) ELASTOGRAPHY IN CIRRHOTIC PATIENTS IS NOT A USEFUL TOOL TO PREDICT ESOPHAGEAL VARICES NEEDING TREATMENT
Giovanni Galati, Paolo Gallo, Antonio De Vincentis, Umberto Vespasiani Gentilucci, Alessandro Guidi, Antonio Picardi
POSTERS

P67 - 1015 - CLINICAL VALUE OF NSTE ACS LEFT VENTRICULAR MYOCARDIAL ISCHEMIA WAS EVALUATED BY LAYER SPECIFIC STRAIN TECHNIQUE
Qinwang Qin, Yanchun Meng Yanchun

P68 - 1165 - VASCULAR MALFORMATIONS IN CHILDREN: HAEMANGIOMA AN OVERVIEW
Simona Cerbu, Ramona Stroescu, Florin Birsasteanu, Eugen Boia

P69 - 1164 - PEDIATRIC LUNG ULTRASOUND OUR EXPERIENCE IN DIAGNOSIS PULMONARY DISEASES
Ramona Stroescu, Simona Cerbu, Teofana Bizereá, Otilia Marginean, Gabriela Doros

P70 - 1082 - RESULTS OF THE ULTRASOUND APP STUDY (UPPS)
Sabine Volz, Nikolaus De Gregorio, Christiane Lato, Florian Ebner, Krisztian Lato

P71 - 1156 - NON INVASIVE ASSESSMENT OF LIVER FIBROSIS BY POINT SHEAR WAVE ELASTOGRAPHY (ELASTPQ) WITH TRANSIENT ELASTOGRAPHY SERVING AS THE REFERENCE METHOD
Vladimir Matić, Sanda Mustapić, Tomislav Bokun, Nermin Salkić, Marko Banić, Milan Kujundžić, Ivica Grgurević

P72 - 1013 - EFFICACY OF SINGLE DOSE GONADOTROPIN RELEASING HORMONE AGONIST ADMINISTRATION PRIOR TO MAGNETIC RESONANCE GUIDED FOCUSED ULTRASOUND SURGERY FOR SYMPTOMATIC UTERINE FIBROIDS
Sang-wook Yoon

P73 - 1034 - IMAGING FINDINGS OF IMMATURE TERATOMA OF UNDESCENDED TESTIS IN A NEWBORN
Sermin Tok, Hakan Taskınlar, Yuksel Balci, Taylan Kara, Feramuz Demir Apaydin, Ali Nayci

P74 - 1068 - IS THIS MIRIZZI SYNDROME OR THE GALLBLADDER CARCINOMA
Sevcan Türk, Güngün Kavukçu, Sadık Tamsel, Ezgi Güler

P75 - 1113 - A MODEL OF TEACHING AND EVALUATION OF ULTRASOUND SKILL IN FINAL YEAR MEDICAL STUDENTS OF BURAPHA UNIVERSITY
Sornsupa Limchareon, Sutasiness Kongprompsuk

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P77 - 1025 - WHY WE NEED INFECTION PREVENTION AND CONTROL PROTOCOLS FOR ULTRASOUND PRACTITIONERS
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**P78 - 1123** - A UNIFYING CONCEPT FOR ALL ABDOMINAL VASCULAR COMPRESSION SYNDROMES
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ECHOGRAPHIC PRESENTATION
*Zdenka Bence-zigman*
SATELLITE SYMPOSIUMS

Bracco Satellite Symposium - MARMORNA 1
Saturday, September 23
12.00 - 13.00 (Marmorna Hall)

Evolving clinical applications for CEUS
Moderator: Deike Strobel

- Pediatric use of SonoVue
  Paul Sidhu
- CEUS in breast imaging: is it useful for the characterization and BI-RADS classification of focal breast lesions?
  Jun Luo
- Role of Sonovue in diagnosis and therapy of HCC
  Deike Strobel

Faculty
Deike Strobel
University Hospital, Erlangen, Germany

Paul Sidhu
King’s College Hospital, London, UK

Jun Luo
West China Hospital, Sichuan, China

Samsung Satellite Symposium - POVODNI 4
Saturday, September 23
12.00 - 13.00 (Povodni Hall 4)

12:00 - 12:20  CEUS in Liver Lesions
Dirk-André Clevert, Germany

12:20 - 12:40  CEUS in the Pediatric Liver
Maria Sellars, UK

12:40 - 13:00  CEUS in Pediatric Practice: Safety and Cost-effectiveness
Paul S. Sidhu, UK
The GR - Ljubljana Exhibition and Convention Centre is the leading events center in Slovenia, located in the close proximity of the Ljubljana Old Town. 20 multifunctional halls with 12,323 square meters in total are complemented by 8,844 square meters of external exhibition space. The function rooms providing a high degree of versatility can be arranged to welcome any kind of meeting from 15 to 4,000 delegates. The entire GR premises are fitted with state-of-the-art technical equipment and the majority of the function rooms also feature daylight.
GENERAL INFORMATION

Banks and Currency Exchange
The official currency of Slovenia as a European Union member state is **EURO (€)**. In Slovenia you can change money at banks, exchange offices, hotel receptions and at large shopping malls. The exchange rate is published daily by the **Bank of Slovenia**.

You can withdraw cash 24 hours a day from cash dispensers around the country. Most cash dispensers accept MasterCard, Visa, Maestro, Cirrus and Visa Electron Plus. Banks are open Monday to Friday 09.00 am till 5.00 pm (Some banks close their branches at 12.00 pm for one hour.)

Dining Out
Ljubljana's restaurant scene is heavily influenced by the surrounding countries with Italian, Hungarian, Austrian and Balkan cuisines, all helping create an eclectic range of restaurants.

Internet Access
Wireless internet access is available from the majority of hotels in Ljubljana, in most cases free of charge. Several public internet access points as well as free wireless internet access offered by a large number of the city's cafés and bars are available.

Electricity
Slovenia operates on 220V single-phase. Slovenian plugs have two pins.

Time Zones
Slovenia is in the Central European Time Zone (CET +1)

Weather and Climate
The average temperature in Ljubljana in September is around 20°C during the day time and around 12 °C during the evenings.

CME Accreditation
29th Congress of EFSUMB – EUROSON 2017 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) for a maximum of 18 European CME credits (ECMEC®s).

Liability and Insurance
Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are advised to take out adequate personal insurance to cover travel, accommodation, cancellation and personal effects.
GENERAL INFORMATION

Registration Desk
Registration desk live be located at Jurcek Hall at the side entrance of the congress center.

The working hours of the registration desk will be;
21st September 2017, Thursday 14:00 - 19:00
22nd September 2017, Friday 07:30 - 19:30
23rd September 2017, Thursday 08:00 - 18:30
24th September 2017, Thursday 08:00 - 17:00

Exhibition Opening Hours
Marmorna Hall 2 will be the exhibition area.

22nd September 2017, Friday 08:00 - 19:30
23rd September 2017, Thursday 08:00 - 18:00
24th September 2017, Thursday 08:00 - 16:00

Name Badges
Please wear your name badges at all times. Only EUROSON 2017 participants wearing official name badges will be allowed to access the conference site and attend the scientific and social programs.

SPEAKERS PREVIEW LOUNGE - FORUM HALL / 1st FLOOR

DATA PRESENTATION:
• The presentation should be supplied only in PowerPoint format. Please note that it should be on a CD or a memory stick and should be loaded on one of the conference computers in the Preview Room at least 2 hours before

THE START OF THE SESSION:
• If you are combining video films with a PowerPoint presentation, please make sure to download the video film on the same computer in the Preview Room and inform the staff about the video.
• Please note that the conference computers in the session halls are supplied with Microsoft Office
• Presenters MAY NOT use their own computer to run lectures; lectures should be presented with the equipment supplied.
GENERAL INFORMATION

IMPORTANT NOTE FOR APPLE USERS:

• If you are using an Apple Device, please note that you need to supply your own laptop as a back-up and confirm that it has a VGA socket for external signal. Additionally please come to check it first in the Preview Room and later in the session hall where your lecture will take place. Note that this should be done during the coffee break or lunch break prior to your session and at least 2 hours before THE START OF THE SESSION.

• The organizing committee strongly discourages the use of your own computer and will not accept any responsibility for bad connections, lack of compatibility and other problems.

VIDEO:

• If you need to use a video for your presentation (mpeg format only), please advise the staff in the Preview Room as soon as you arrive, at least 2 hours before THE START OF THE SESSION.

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Posters Affixation and Removal

Affixation  21st September 2017  14:00 - 17:00
Removal     24th September 2017  16:00 - 18:00
EXHIBITION FLOOR PLAN

GROUND FLOOR

EXHIBITOR LIST

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2 - MEDIS
3 - MINDRAY
4 - BRACCO
5 - PHILIPS HEALTHCARE
6 - EASL
7 - EFSUMB
8 - EUROSON 2018
9 - GAMPT mbH
10 - 3D SYSTEMS
11 - TOSHIBA MEDICAL SYSTEMS
12 - SAMSUNG
13 - SUPERSONIC IMAGINE

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FLOOR PLANS

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EXHIBITION STORAGE