



SOCIETÀ ITALIANA DI ULTRASONOLOGIA  
IN MEDICINA E BIOLOGIA



35<sup>th</sup> CONGRESS OF THE EUROPEAN FEDERATION OF SOCIETIES  
FOR ULTRASOUND IN MEDICINE AND BIOLOGY

EUROSON 2024

# CONGRESS PROGRAMME



**NAPLES** ITALY NOVEMBER 9|11



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FOR ULTRASOUND IN MEDICINE AND BIOLOGY

# EUROSON 2024

UNDER THE AUSPICES OF

**NAPLES MUNICIPALITY**

**TRADE CHAMBER of NAPLES**

**FISM**

(ITALIAN FEDERATION  
OF MEDICAL-SCIENTIFIC SOCIETIES)

**NAPLES ITALY NOVEMBER 9|11**



## CONGRESS SYNOPTIC TABLE

SATURDAY 9	SUNDAY 10	MONDAY 11	TUESDAY 12
<b>PLENARY GALATEA</b> level 1			
BASIC COURSE CONGRESS	BASIC COURSE CONGRESS	BASIC COURSE CONGRESS	BASIC COURSE
<b>PERSEIDE</b> level 1			
CONGRESS	CONGRESS	CONGRESS	
<b>AGAVE</b> level 1			
CONGRESS until h.13.00  STUC CONGRESS from h.14.30	STUC CONGRESS	STUC CONGRESS	
<b>CALYPSO</b> level 1			
GYMNASIUM	GYMNASIUM	LYCEUM	
<b>DIONE</b> level 1			
VASCULAR COURSE	VASCULAR COURSE until h.13.00  MUSCULOSKELETAL COURSE from h.14.30	MUSCULOSKELETAL COURSE	
<b>ELETTRA</b> level 1			
EUROSON SCHOOL ON CEUS	EUROSON SCHOOL ON CEUS	CONGRESS until h.13.00  SIUMB GENERAL ASSEMBLY from 17.30	
<b>ULISSE</b> level 2			
CONGRESS	ENDOCRINOLOGY COURSE	CONGRESS	
<b>URANIA 1</b> level 2			
PEDIATRICS COURSE	NEPHROLOGY COURSE		
<b>URANIA 2</b> level 2			
VETERINARY COURSE	VETERINARY COURSE	VETERINARY COURSE	
<b>ABSIDE BEVERELLO</b> level 1			
SONOCAVES	SONOCAVES	SONOCAVES	



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# EUROSON 2024

**NAPLES ITALY NOVEMBER 9**

# EUROSON CONGRESS

## **SATURDAY NOVEMBER 9**





## PLENARY GALATEA

### 10.50 MULTIPARAMETRIC ULTRASOUND (MPUS ) IN LIVER DISEASE

Moderators: **V. Cantisani (Italy)**, **O.H. Gilja (Norway)**

- 10.50 Liver Elastography: after everything we know ... What is useful to us today in daily practice?  
*H. Stefanescu (Romania)*
- 11.05 Liver fat quantification: what's new?  
*R. Barr (United States)*
- 11.20 Liver fat quantification in diabetic patients and its cardiovascular impact  
*J. A. Jimenez (Spain)*
- 11.40 Diffuse liver diseases: beyond ultrasound  
*T.V. Bartolotta (Italy)*
- 12.00 MPUS for the evaluation of focal liver lesions: current challenges and tips to remember  
*C.F. Dietrich (Switzerland)*
- 12.20 The CCC diagnostic challenge: multiparametric characterization  
*G. Vidili (Italy)*

### 12.40 Q&A

### 12.50 Lunch Break

### 15.30 ABDOMEN MPUS: LIVER AND BEYOND

Moderators: **R. Basilico (Italy)**, **I. Sporea (Romania)**

- 15.30 Liver vascular disease: US multiparametric evaluation  
*C. Serra (Italy)*
- 15.45 Post-operative evaluation following liver transplantation  
*A. Samuilis (Lithuania)*
- 16.00 Ultrasound in non-cirrhotic portal hypertension evaluation  
*M. Perez Peña (Spain)*

### 16.15 Q&A

### 16.30 Coffee Break



## SATURDAY NOVEMBER 9 PLENARY GALATEA

16.50 Spleen lesions: a multiparametric US differential diagnosis challenge  
*I. Sporea (Romania)*

17.10 Diffuse pancreatic diseases: what is the role of the multiparametric approach  
*C. Jenssen (Germany)*

17.30 Pancreatic lesions: multiparametric evaluation  
*M. D'Onofrio (Italy)*

17.50 Rethinking gallpolyps and cancer risk  
*A. Kamaya (United States)*

### **18.10 Q&A**

### **18.20 End of Sessions**

### **18.30 Opening Ceremony**

Welcome greetings from EUROSON 2024 Presidents  
*C. Ewertsen, G. Vallone*

Greetings from the Organizing Committee

Greetings from a pioneer of clinical ultrasound and past EFSUMB and SIUMB President  
*L. Bolondi (Italy)*

To the memory of Giorgio Rizzatto  
*L. Solbiati (Italy)*

Nomination of Honorary Members, EFSUMB Fellows and Best Published Paper Prize

### **19.00 LECTURE**

Campania and its architectural beauties  
*Fabio Mangone, Professor of Architecture at University Federico II in Naples*  
*Tiziana D'Angelo, Director of Paestum Museum*

### **19.30 Music performance by Salerno Coro Pop**

### **20.00 Beverello Welcome Cocktail**



**PERSEIDE ROOM****8.30 MPUS OF SUPERFICIAL ORGANS: NECK****Moderators: C. Chammas (Brazil), E. Gotsiridze (Georgia)**

8.30 Pattern recognition approach to diffuse thyroid diseases  
*M. Secil (Turkey)*

8.45 Multiparametric evaluation of thyroid nodules  
*V. Cantisani (Italy)*

9.05 Multimodality evaluation of parathyroid disease  
*M. Radzina (Latvia)*

**9.25 Q&A**

9.35 Ablation of thyroid nodules. Comparison of different ablation methods  
*S. Spiezia (Italy)*

9.50 US guided ablation of parathyroid lesions  
*C. Yucel (Turkey)*

10.05 Never seen before? Anatomy and pathology of the oral cavity  
*T. Todsén (Denmark)*

**10.20 Q&A****10.30 DEGUM HONORARY LECTURE**

How can CEUS help in characterizing lymphnodes?  
*H.P. Weskott (Germany)*

**10.55 Coffee Break**

**11.15 YOUNG INVESTIGATOR AWARD**

Moderators: **C. Ewertsen (Denmark), C. Jenssen (Germany)**

Jury: **B. Brkljacic (HR), C. Ewertsen (DK), G. Ferraioli (IT), C. Jenssen (DE), C. Kollmann (AU), C. Moran (UK), P. Sidhu (UK)**

Thermal Indices in Clinical Practice – Do we follow the guidelines?  
*Sam Butler (United Kingdom)*

Developing a new screening program for Developmental Dysplasia of The Hip  
*Hans-Christen Husum (Denmark)*

Ultrasound imaging in bones: tissue characterization, anatomical images and blood flow measurements  
*Gabrielle Laloy-Borgna (The Netherlands)*

The assessment of the postoperative increase in the cerebral blood flow and its impact on cognitive functions in patients undergoing revascularization due to the symptomatic internal carotid artery  
*Piotr Kaszczewski (Poland)*

Ultrasound Attenuation Coefficient (ATT): A Promising Complementary Tool for Early Detection of Hepatic Steatosis  
*João Carlos Gonçalves (Portugal)*

A Dynamic Contrast Enhanced Ultrasound Based Risk Prediction Model for the diagnosis of Hepatocellular Carcinoma in the grey area of CEUS-LI RADS: The PERSoN4 Model  
*Galasso Linda (Italy)*

Echoendoscopic Guided Shear-Wave Elastography: Intra-Observer Reproducibility  
*Burdan Ghita-Adrian (Romania)*

**12.30 End of Sessions****13.00 Lunch Symposium**



SATURDAY NOVEMBER 9 PERSEIDE ROOM

**14.15 MPUS IN UROGENITAL DISEASE**

**Moderators: M. Bertolotto (Italy), C. Ewertsen (Denmark)**

**14.15 HHH HONORARY LECTURE**

Bosniak Classification  
*O. Graumann (Denmark)*

14.45 US assessment of the transplanted kidney  
*F.M. Drudi (Italy)*

15.05 Multiparametric ultrasound in solid renal lesions: a step-by-step approach  
*L. Appelbaum (Israel)*

**15.25 Q&A**

**15.40 Coffee Break**

16.00 Vascular renal disease: multiparametric evaluation  
*F. Calliada (Italy)*

16.15 Testes evaluation: the best US tools  
*P. Sidhu (United Kingdom)*

16.30 Paratesticular lesions  
*M. Secil (Turkey)*

16.45 Transrectal multiparametric US: State-of-the art  
*P. Garcia (Spain)*

**17.00 Q&A**

**17.10 SCIENTIFIC SESSION: KIDNEY & UROGENITAL, ADRENAL, VASCULAR****Moderators: F. Fiorini (Italy), O. Graumann (Denmark)****CONTRAST-ENHANCED ULTRASOUND FOR THE ASSESSMENT OF CAROTID PLAQUE VULNERABILITY**Nam K.\*<sup>[1]</sup>, Dimuzio P.<sup>[1]</sup>, Farber J.<sup>[1]</sup>, Wessner C.<sup>[1]</sup>, Machado P.<sup>[1]</sup>, O'Kane P.<sup>[1]</sup>, Lyshchik A.<sup>[1]</sup>, Forsberg F.<sup>[1]</sup><sup>[1]</sup>Thomas Jefferson University ~ Philadelphia ~ United States Of America**CONTRAST-ENHANCED ULTRASOUND FOR PREOPERATIVE DETECTION OF MUSCLE INVASION IN BLADDER CANCER: A PROSPECTIVE STUDY**Ou Q.\*<sup>[1]</sup>, Pan W.<sup>[1]</sup>, Liu P.<sup>[1]</sup>, Lin S.<sup>[1]</sup>, Li X.<sup>[1]</sup>, Ouyang Y.<sup>[1]</sup><sup>[1]</sup>Department Of Ultrasound In Medicine, Sun Yat-Sen Memorial Hospital, Sun Yat-Sen University ~ Guangzhou ~ China**SIMULATION OF THE EFFECTS OF FLUID VISCOSITY ON THE DYNAMIC PROCESS OF STABLE SINGLE MICROBUBBLE ULTRASONIC CAVITATION**Yu J.\*<sup>[1]</sup>, Sun J.<sup>[1]</sup>, Guo K.<sup>[1]</sup><sup>[1]</sup>Liaoning Petrochemical University ~ Fushun ~ China**DIAGNOSTIC VALUE OF CONTRAST-ENHANCED ULTRASOUND IN RENAL MASSES REMAINING INDETERMINATE AFTER CONTRAST-ENHANCED CT AND CONTRAST-ENHANCED MRI**O'Keane A.\*<sup>[1]</sup>, Audenet F.<sup>[2]</sup>, Verkarre V.<sup>[2]</sup>, Corr  as J.<sup>[1]</sup>, H  l  non O.<sup>[1]</sup>, Bodard S.<sup>[1]</sup><sup>[1]</sup>Necker Hospital ~ Paris ~ France, <sup>[2]</sup>H  pital Europ  en Georges Pompidou ~ Paris ~ France**CAN CEUS PROVIDE A RISK SCORE FOR INDETERMINATE CYSTIC RENAL MASSES IF A CT BO-SNIAK CLASSIFICATION CANNOT BE ASSIGNED**Del Gaudio G.<sup>[1]</sup>, Raponi F.\*<sup>[1]</sup>, Cantisani V.<sup>[1]</sup>, Barr R.G.<sup>[2]</sup><sup>[1]</sup>Department Of Radiological Sciences, Oncology And Pathology, Policlinico Umberto I, Sapienza University Of Rome. ~ Rome ~ Italy, <sup>[2]</sup>Department Of Radiology, Northeastern Ohio Medical University. ~ Rootstown ~ United States Of America**THREE-DIMENSIONAL CONTRAST-ENHANCED TRANSRECTAL ULTRASOUND FOR THE DETECTION OF CLINICALLY SIGNIFICANT PROSTATE CANCER**Zhu Y.\*<sup>[1]</sup>, Chen Y.<sup>[1]</sup>, Guan W.<sup>[1]</sup><sup>[1]</sup>Xinhua Hospital Affiliated To Shanghai Jiaotong University School Of Medicine ~ Shanghai ~ China**CLINICAL OPTIMISATION OF RENAL VASCULATURE ASSESSMENT USING SUPER-RESOLUTION ULTRASOUND IMAGING**Panduro N.S.\*<sup>[2]</sup>, Mcdermott A.<sup>[1]</sup>, S  gaard S.B.<sup>[1]</sup>, Kjer H.M.<sup>[3]</sup>, Taghavi I.<sup>[4]</sup>, Nielsen M.B.<sup>[2]</sup>, Jensen J.A.<sup>[4]</sup>, S  rensen C.M.<sup>[1]</sup><sup>[1]</sup>Department Of Biomedical Sciences, University Of Copenhagen ~ Copenhagen ~ Denmark, <sup>[2]</sup>Department Of Diagnostic Radiology, Rigshospitalet ~ Copenhagen ~ Denmark, <sup>[3]</sup>Department Of Applied Mathematics And Computer Science, Technical University Of Denmark ~ Lyngby ~ Denmark, <sup>[4]</sup>Center For Fast Ultrasound Imaging, Department Of Health Technology, Technical University Of Denmark ~ Lyngby ~ Denmark



## AGAVE ROOM

### 8.30 SCIENTIFIC SESSION: UPPER ABDOMEN - INTERVENTIONAL

Moderators: P. D'Andrea (Italy), H. Stefanescu (Romania)

#### LECTURE

CEUS and multiparametric US in patients with high BMI and fatty liver  
I. Sporea (Romania)

### VERY HIGH RESISTIVE INDICES (RI) ON BASELINE POSTOPERATIVE (POD 0) DECEASED DONOR LIVER TRANSPLANT (DDLT) ULTRASOUND: A COMMON AND INCONSEQUENTIAL OBSERVATION

Elcic L.<sup>[1]</sup>, Sugi M.<sup>[1]</sup>, Patel M.\*<sup>[1]</sup>

<sup>[1]</sup>Mayo Clinic Arizona ~ Phoenix ~ United States Of America

### USING SUBHARMONIC AIDED PRESSURE ESTIMATION (SHAPE) AND SHEAR WAVE ELASTOGRAPHY (SWE) TO EVALUATE TREATMENT RESPONSE IN PANCREATIC ADENOCARCINOMA PATIENTS UNDERGOING CHEMOTHERAPY WITH SONOPORATION

Machado P.\*<sup>[1]</sup>, Mayer H.<sup>[1]</sup>, Vu T.<sup>[1]</sup>, Eisenbrey J.<sup>[1]</sup>, Bashir B.<sup>[1]</sup>, Posey Iii J.<sup>[1]</sup>, Kotopoulos S.<sup>[2]</sup>, Lin D.<sup>[1]</sup>, Mille P.<sup>[1]</sup>, Basu-mallick A.<sup>[1]</sup>, Nordaas I.<sup>[2]</sup>, Trelsgard A.<sup>[2]</sup>, Dimcevski G.<sup>[2]</sup>, Helge Gilja O.<sup>[2]</sup>, Wallace K.<sup>[3]</sup>, Forsberg F.<sup>[1]</sup>

<sup>[1]</sup>Thomas Jefferson University ~ Philadelphia ~ United States Of America, <sup>[2]</sup>Haukeland University Hospital ~ Bergen ~ Norway, <sup>[3]</sup>Ge Healthcare ~ Niskayuna ~ United States Of America

### CLINICAL IMPACT OF CEUS ON INDETERMINATE LIVER NODULES ON CT/MRI: SUB-ANALYSIS FROM A PROSPECTIVE MULTICENTER TRIAL

Kono Y.\*<sup>[1]</sup>, Piscaglia F.<sup>[2]</sup>, Wilson S.R.<sup>[3]</sup>, Medellin A.<sup>[3]</sup>, Rodgers S.K.<sup>[4]</sup>, Sidhu P.S.<sup>[5]</sup>, Kamaya A.<sup>[6]</sup>, Fetzer D.<sup>[7]</sup>, Planz V.<sup>[8]</sup>, Berzigotti A.<sup>[9]</sup>, Xiao T.S.<sup>[10]</sup>, Kuon Yeng Escalante C.<sup>[10]</sup>, Wessner C.E.<sup>[10]</sup>, Bradigan K.<sup>[10]</sup>, Eisenbrey J.R.<sup>[10]</sup>, Forsberg F.<sup>[10]</sup>, Lyschik A.<sup>[10]</sup>

<sup>[1]</sup>University Of California, San Diego ~ San Diego ~ United States Of America, <sup>[2]</sup>University Of Bologna ~ Bologna ~ Italy, <sup>[3]</sup>University Of Calgary ~ Calgary ~ Canada, <sup>[4]</sup>Einstein Medical Center ~ Philadelphia ~ United States Of America, <sup>[5]</sup>King'S College Hospital ~ London ~ United Kingdom, <sup>[6]</sup>Stanford University ~ Stanford ~ United States Of America, <sup>[7]</sup>Ut Southwestern Medical Center ~ Dallas ~ United States Of America, <sup>[8]</sup>Vanderbilt University ~ Nashville ~ United States Of America, <sup>[9]</sup>University Of Bern ~ Bern ~ Switzerland, <sup>[10]</sup>Thomas Jefferson University Hospital ~ Philadelphia ~ United States Of America

### INTERIM RESULTS FROM A PHASE II CLINICAL TRIAL INVESTIGATING SONOPORATION OF PANCREATIC ADENOCARCINOMA

Machado P.<sup>[1]</sup>, Vu T.<sup>[1]</sup>, Eisenbrey J.R.<sup>[1]</sup>, Bashir B.<sup>[2]</sup>, Kotopoulos S.<sup>[3]</sup>, Lin D.<sup>[2]</sup>, Posey Iii J.<sup>[2]</sup>, Mille P.<sup>[2]</sup>, Basu-mallick A.<sup>[2]</sup>, Trelsgård A.M.<sup>[4]</sup>, Nordaas I.K.<sup>[4]</sup>, Singla R.<sup>[2]</sup>, Handley N.<sup>[2]</sup>, Dimcevski G.<sup>[4]</sup>, Gilja O.H.<sup>[4]</sup>, Forsberg F.\*<sup>[5]</sup>

<sup>[1]</sup>Department Of Radiology, Thomas Jefferson University ~ Philadelphia ~ United States Of America, <sup>[2]</sup>Department Of Medical Oncology, Thomas Jefferson University ~ Philadelphia ~ United States Of America, <sup>[3]</sup>Department Of Clinical Medicine, University Of Bergen ~ Bergen ~ Norway, <sup>[4]</sup>National Centre For Ultrasound In Gastroenterology, Haukeland University Hospital ~ Bergen ~ Norway, <sup>[5]</sup>Philadelphia ~ United States Minor Outlying Islands



### **CONTRAST-ENHANCED ULTRASOUND GUIDED HIGH INTENSITY FOCUSED ULTRASOUND TREATMENT OF LIVER LACERATIONS: TREATMENT AND 24-HOUR SURVIVAL IN A SWINE MODEL**

Eisenbrey J.\*<sup>[1]</sup>, Fall F.<sup>[2]</sup>, Tam A.<sup>[3]</sup>, Contreras K.<sup>[4]</sup>, Maxwell A.<sup>[4]</sup>, Vlaisavljevich E.<sup>[5]</sup>, Liu J.<sup>[1]</sup>, Kuon Yeng Escalante C.<sup>[1]</sup>, Siu Xiao T.<sup>[1]</sup>, Mohammed A.<sup>[1]</sup>, Forsberg F.<sup>[1]</sup>, Goldberg A.<sup>[6]</sup>, Koenig G.<sup>[2]</sup>

<sup>[1]</sup>Department Of Radiology, Thomas Jefferson University ~ Philadelphia ~ United States Of America, <sup>[2]</sup>Department Of Surgery, Thomas Jefferson University ~ Philadelphia ~ United States Of America, <sup>[3]</sup>Sidney Kimmel Medical College, Thomas Jefferson University ~ Philadelphia ~ United States Of America, <sup>[4]</sup>Applied Physics Laboratory, University Of Washington ~ Seattle ~ United States Of America, <sup>[5]</sup>Department Of Biomedical Engineering And Mechanics, Virginia Tech University ~ Blacksburg ~ United States Of America, <sup>[6]</sup>Department Of Pathology And Genomic Medicine, Thomas Jefferson University ~ Philadelphia ~ United States Of America

### **DIAGNOSTIC ACCURACY OF TWO-DIMENSIONAL SHEAR-WAVE ELASTOGRAPHY (2D-SWE) ULTRASOUND FOR LIVER FIBROSIS ASSESSMENT IN METABOLIC DYSFUNCTION-ASSOCIATED STEATOTIC LIVER DISEASE (MASLD): A MULTI-LEVEL RANDOM EFFECTS MODEL META-ANALYSIS**

Ravaioli F.\*<sup>[1]</sup>, Taru M.G.<sup>[2]</sup>, Lupsor-platon M.<sup>[3]</sup>, Turco L.<sup>[2]</sup>, Leucuta D.C.<sup>[3]</sup>, Ferri S.<sup>[4]</sup>, Hashim A.<sup>[1]</sup>, Orasan O.H.<sup>[3]</sup>, Procopet B.<sup>[3]</sup>, Stefanescu H.<sup>[5]</sup>, Morelli M.C.<sup>[2]</sup>, Piscaglia F.<sup>[1]</sup>

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### **RADIOMICS NOMOGRAM BASED ON CEUS MIGHT OPTIMIZE TREATMENTS FOR ADVANCED HEPATOCELLULAR CARCINOMA PATIENTS**

Huang J.\*<sup>[1]</sup>, Chen M.<sup>[1]</sup>

<sup>[1]</sup>Sun Yat-Sen University Cancer Center ~ Guangzhou ~ China

### **ULTRASOUND-TRIGGERED NANOGEL BOOST CHEMOTHERAPY AND IMMUNOMODULATION IN COLORECTAL CANCER**

Cui R.\*<sup>[1]</sup>, Zhou J.<sup>[1]</sup>, Liu G.<sup>[1]</sup>

<sup>[1]</sup>The Sixth Affiliated Hospital, Sun Yat-Sen University ~ Guangzhou ~ China

### **ACCURACY OF TRANSABDOMINAL ULTRASOUND 2D SHEAR WAVE ELASTOGRAPHY COMPARED TO ENDOSCOPIC ULTRASOUND IN THE DIAGNOSIS OF CHRONIC PANCREATITIS.**

Jung C.F.M.\*<sup>[1]</sup>, Binda C.<sup>[1]</sup>, Liverani E.<sup>[1]</sup>, Dajti E.<sup>[2]</sup>, Abbatiello C.<sup>[3]</sup>, Cristofaro L.<sup>[2]</sup>, Alemanni L.V.<sup>[1]</sup>, Sartini A.<sup>[1]</sup>, Coluccio C.<sup>[1]</sup>, Gibiino G.<sup>[1]</sup>, Fabbri S.<sup>[1]</sup>, Serra C.<sup>[4]</sup>, Fabbri C.<sup>[1]</sup>

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## IMPLEMENTING DIAGNOSTIC AND MONITORING TOOLKITS TO CEUS LIRADS TRA V2024 AS USEFUL ADD-ONS FOR PREDICTING THERAPEUTIC RESPONSE AND DISEASE RECURRENCE

Puiu T.\*<sup>[1]</sup>, Ioanitescu E.S.<sup>[1]</sup>, Grasu M.<sup>[2]</sup>, Iliescu E.L.<sup>[1]</sup>

<sup>[1]</sup>Carol Davila University Of Medicine And Pharmacy; Internal Medicine Department, Fundeni Clinical Institute ~ Bucharest ~ Romania, <sup>[2]</sup>Carol Davila University Of Medicine And Pharmacy; Fundeni Clinical Institute ~ Bucharest ~ Romania

### 10.40 Coffee Break

### 11.00 EFSUMB CASE REPORT CHALLENGE

**Moderators: J. Kuenzel (Germany), Z. Sparchez (Romania)**

Successful nerve repair in a pediatric patient with complex hand nerve injury: a case report  
*M. Nersisyan (Armenia)*

Plantar fibromatosis - a case report of ledderhose disease  
*M. C. Martins (Brazil)*

Differential diagnosis of an atypical cervical cyst: a case report  
*I. Golu (Romania)*

Pediatrician point-of-care ultrasound for the detection of foreign body in esophagus: a case report  
*M. Kryger (Poland)*

Cervical teratoma: a case report  
*N. Martins (Brazil)*

An atypical case of schwannoma  
*A. Pellino (Italy)*

B-mode and contrast-enhanced ultrasound versus magnetic resonance imaging in hepatic angiomyolipoma: a case report  
*A. Balbinot (Italy)*

Ultrasound and contrast-enhanced ultrasound in diagnosis and follow-up for post Allogeneic hematopoietic stem cell transplantation complications: a clinical case report  
*E. S. Ioanitescu (Romania)*

Ceus in a case of hidden von meyenburg  
*G. Cacace (Italy)*

Casual detection of an aortic aneurysm thanks to a trainee-made ultrasound with Subsequent "domino" diagnoses: case report and insights on the role of ultrasound courses in the screening of abdominal aortic aneurysm incidentalomas  
*V. Oteri (Italy)*

### 12.20 Final remarks

### 12.45 Lunch Symposium

**ULISSE ROOM****8.30 REFRESHER COURSE****Multiparametric Emergency Ultrasound****pt.1: Beyond B-Mode****Moderators: C. P. Nolsøe (Denmark), M. Valentino (Italy)**

8.30 PoCUS in emergency medicine: the unforgettable  
*M. Valentino (Italy)*

8.50 Multiparametric emergency ultrasound: what is its role?  
*M. Di Serafino (Italy)*

**9.10 Q&A****9.20 MULTIPARAMETRIC EMERGENCY ULTRASOUND****pt.2: Riding Waves in Emergency Setting****Moderators: T.V. Bartolotta (Italy), C. F. Dietrich (Switzerland)**

9.20 Doppler ultrasound in peripheral vascular emergencies: Follow Me  
*F. Fernandes (Portugal)*

9.40 Doppler ultrasound in abdominal emergencies: Believe Me  
*B. Brkljačić (Croatia)*

**10.00 Q&A****10.10 Coffee Break****10.30 REFRESHER COURSE****Penile imaging****Moderators: F. M. Drudi (Italy), M. Secil (Turkey)**

10.30 Erectile dysfunction  
*B. Corcioni (Italy)*

10.50 Penile trauma and priapism  
*M. Bertolotto (Italy)*

11.10 Penile lumps  
*D. Huang (United Kingdom)*

**11.30 Q&A**



**11.45 REFRESHER COURSE****Role of US in Dermatology and Aesthetics Surgery****Moderators: C. Caiazzo (Italy), V. Dini (Italy)**

11.45 Laughing in the face of wrinkles:  
unveiling extraordinary ultrasound discoveries in Dermatology Cosmetology and Podology  
*J. Gagarina (Latvia)*

12.00 Microvascular imaging of dermatological inflammatory diseases  
*O. Catalano (Italy)*

12.15 Role of elastography in the assessment of cutaneous melanoma: is there a role?  
*R. Badea (Romania)*

**12.30 Q&A****12.40 End of Sessions****13.00 Lunch Symposium****14.15 FOCUS ON PREGNANCY****What every US physician should know when examining a pregnancy at risk****Moderators: C. Kollmann (Austria), M. Pérez-Peña (Spain)**

14.15 Safety of CEUS in Pregnancy  
*D.A. Clevert (Germany)*

14.30 General Imaging in Pregnancy 3D-4D  
*P. Antsaklis (Greece)*

15.00 Emergencies in Pregnancy  
*P. Mirk (Italy)*

**15.15 Q&A****15.25 Coffee Break**

**15.45 REFRESHER COURSE****Transplanted kidney****Moderators: R. Badea (Romania), B. Corcioni (Italy)**

- 15.45 Color and pulsed Doppler US of the transplanted kidney: current applications  
*A. Granata (Italy)*
- 16.00 CEUS assessment in renal transplant  
*C. Chammas (Brazil)*
- 16.15 Evaluation of renal transplant reflux  
*F.M. Drudi (Italy)*
- 16.30 Elastasonography: the Holy Grail of the transplanted kidney  
*R. Barr (United States)*
- 16.50 **Round Table**  
The draft does not recover its function: which diagnostics? MPUS? Liquid and solid biopsy?  
*R. Barr (United States), N. Chaubal (India), A. Granata (Italy), F.M. Drudi (Italy)*

**17.40 SCIENTIFIC SESSION: PEDIATRICS****Moderators: Z. Harkanyi (Hungary), F. Raimondi (Italy)****NEW FRONTIERS IN MEDICAL EDUCATION: A PILOT STUDY EVALUATING THE QUALITY OF PEDIATRIC ULTRASOUND SOCIAL MEDIA CONTENT**

Di Ludovico A.\*<sup>[1]</sup>, La Bella S.<sup>[1]</sup>, Di Donato G.<sup>[1]</sup>, Colamarino S.<sup>[1]</sup>, Orlandi G.<sup>[1]</sup>, Quarta M.T.<sup>[1]</sup>, Rinaldi M.<sup>[2]</sup>, Mainieri F.<sup>[1]</sup>, Lauriola F.<sup>[1]</sup>, Silvestrini L.<sup>[1]</sup>, Ciarelli F.<sup>[1]</sup>, Osmelli J.<sup>[1]</sup>, Girlando V.<sup>[1]</sup>, Persico A.<sup>[3]</sup>, Chiarelli F.<sup>[1]</sup>, Breda L.<sup>[1]</sup>, Iannetti G.<sup>[4]</sup>, Di Renzo D.<sup>[3]</sup>, Attanasi M.<sup>[1]</sup>

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**CONTRAST-ENHANCED ULTRASOUND (CEUS) FOR PEDIATRIC RENAL TRAUMA: WHERE ARE WE NOW?**

Gentile C.\*<sup>[3]</sup>, Persico A.<sup>[1]</sup>, Lauriti G.<sup>[2]</sup>, Chiarelli F.<sup>[3]</sup>, Lisi G.<sup>[2]</sup>, Di Renzo D.<sup>[1]</sup>

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**CONTRAST-ENHANCED ULTRASOUND (CEUS) FOR THE EVALUATION OF VASCULAR ANOMALIES IN PEDIATRIC PATIENTS**

Masucci A.\*<sup>[1]</sup>, Ferrara D.<sup>[3]</sup>, Lama B.<sup>[1]</sup>, Lonardo V.<sup>[1]</sup>, Sammarco E.<sup>[4]</sup>, Barbato F.<sup>[4]</sup>, Iuppariello L.<sup>[6]</sup>, De Chiara F.<sup>[2]</sup>, Esposito F.<sup>[5]</sup>

<sup>[1]</sup>University Federico II Of Naples ~ Naples ~ Italy, <sup>[2]</sup>University Of Molise ~ Campobasso ~ Italy, <sup>[3]</sup>Radiology Department Of Santobono-Pausilipon Children Hospital ~ Napoli ~ Italy, <sup>[4]</sup>Dermatology Department Of Santobono-Pausilipon Children Hospital ~ Napoli ~ Italy, <sup>[5]</sup>Emergency Radiology Department Of Santobono-Pausilipon Children Hospital ~ Napoli ~ Italy, <sup>[6]</sup>A.o.r.n. Santobono-Pausilipon Children Hospital ~ Napoli ~ Italy

**THE ROLE OF CEUS IN SUPPORTING PEDIATRIC PERITONEAL DIALYSIS MANAGEMENT**

De Chiara F.A.\*<sup>[1]</sup>, Tamasi S.<sup>[2]</sup>, D'Arcangelo R.<sup>[3]</sup>, Malgieri G.<sup>[3]</sup>, Zeccolini M.<sup>[2]</sup>, Minale B.<sup>[3]</sup>, Vallone G.<sup>[1]</sup>

<sup>[1]</sup>University Of The Study Of Molise ~ Campobasso ~ Italy, <sup>[2]</sup>Radiology Department, Santobono-Pausilipon Hospital Children ~ Naples ~ Italy, <sup>[3]</sup>Nephrologic And Dialysis Department, Aorn Santobono Pausilipon ~ Naples ~ Italy



SOCIETÀ ITALIANA DI ULTRASONOLOGIA  
IN MEDICINA E BIOLOGIA



35<sup>th</sup> CONGRESS OF THE EUROPEAN FEDERATION OF SOCIETIES  
FOR ULTRASOUND IN MEDICINE AND BIOLOGY

# EUROSON 2024

**NAPLES ITALY NOVEMBER 10**

# EUROSON CONGRESS

## SUNDAY NOVEMBER 10





## PLENARY GALATEA

### 11.05 ESNCH-EFSUMB JOINT SESSION

**From the basics to the latest news in Neurosonology**

**Moderators: E. Bartels (Germany), N. Dahiya (United States)**

- 11.05 The axial imaging plane: the main domain of transcranial color-coded duplex ultrasonography?  
*E. Bartels (Germany)*
- 11.20 Transcranial brain sonography: established indications in neurology  
*U. Walter (Germany)*
- 11.35 Imaging of plaque perfusion using Contrast-Enhanced US: clinical significance  
*E. Vicenzini (Italy)*
- 11.50 Transbulbar Ultrasound: a useful tool in multiple sclerosis  
*F. Perren (Switzerland)*

### 12.05 Q&A

### 12.15 Miscellaneous Multiparametric US: Newer Application, Ocular US

**Moderators: E. Bartels (Germany), N. Dahiya (United States)**

- 12.15 Lung Ultrasound: shifting from Qualitative to Quantitative Analysis  
*H. Prosch (Austria)*
- 12.30 Ocular ultrasound: what multiparametric US adds  
*S. Ozhan Oktar (Turkey)*

### 12.45 Q&A

### 12.50 Lunch Break



**17.10 MPUS in Gynecology and Breast**

**Moderators: B. Brkljačić (Croatia), A. Kamaya (United States)**

17.10 Ultrasound diagnosis of pelvic floor disorders in woman: multiparametric approach  
*A. Youssef (Italy)*

17.30 Dense breast : a challenge  
*D. Bernardi (Italy)*

17.50 Point-of-Care Breast Ultrasound: an opportunity?  
*B. Brkljačić (Croatia)*

18.10 Breast Elastography  
*R. Barr (United States)*

18.25 Technological advances in breast US  
*M. Moschetta (Italy)*

**18.45 Q&A**



## PERSEIDE ROOM

### 8.30 MPUS OF SUPERFICIAL ORGANS: MUSCULOSKELETAL SYSTEM

**Ultrahigh resolution ultrasound - where we are**

**Moderators: M. Zappia (Italy), C. Martinoli (Italy)**

8.30 Precision Imaging: the break-through of last-generation transducers in musculoskeletal ultrasound  
*C. Martinoli (Italy)*

8.50 Ultrasound vs. MR imaging in the Musculoskeletal System: allied or competitors?  
*L. M. Sconfienza (Italy)*

9.10 Ultrasound Imaging of the Adult Spine: an overview  
*F. Zaottini (Italy)*

9.30 Ultrasound-guided Interventional Procedures in the Musculoskeletal System  
*J. L. Del Cura (Spain)*

9.50 Nerve Fascicular Imaging  
*C. Martinoli (Italy)*

### 10.10 Q&A

### 10.25 Coffee Break

**Moderators: I. Ivanac (Croatia), A. Lim (United Kingdom)**

### 10.45 WFUMB HONORARY LECTURE

**WFUMB Liver Elastography guidelines 2024**

*G. Ferraioli (Italy)*

### 11.15 LECTURE

Incidental hepatic lesions: the right cost-benefit approach  
*R. Sirli (Romania)*

### 11.40 SCIENTIFIC SESSION: MUSCULOSKELETAL SYSTEM – BREAST

**Moderators: G. Ivanac (Croatia), A. Lim (United Kingdom)**



SUNDAY NOVEMBER 10 PERSEIDE ROOM

**STUDY ON THE CORRELATION BETWEEN SOUND PALPATION TISSUE IMAGING OF SALIVARY GLAND AND AUTOANTIBODY AND LABIAL GLAND BIOPSY RESULTS IN PATIENTS WITH SJO-GREN'S SYNDROME**Yan Y.<sup>[1]</sup>, Cheng L.\*<sup>[2]</sup>*<sup>[1]</sup>Affiliated Hospital Of Yangzhou University ~ Yangzhou, Jiangsu Province ~ China, <sup>[2]</sup>Affiliated Hospital Of Yangzhou University, yangzhou University***DEEP LEARNING RADIOPATHOMICS BASED ON MULTIMODAL US AND BIOPSY WHOLE SLIDE IMAGES CAN PREDICT AXILLARY STATUS AFTER NEOADJUVANT CHEMOTHERAPY IN PATIENTS WITH NODE-POSITIVE BREAST CANCER**Jia-xin H.\*<sup>[1]</sup>, Lu Y.<sup>[2]</sup>, Pei X.<sup>[1]</sup>*<sup>[1]</sup>Sun Yat-Sen University Cancer Center ~ Guangzhou ~ China, <sup>[2]</sup>Sun Yat-Sen University ~ Guangzhou ~ China***SHEAR WAVE ELASTOGRAPHY AS AN AID IN DIAGNOSING AXILLARY STATUS IN BREAST CANCER PATIENTS WITH US N0-1 STAGES FOLLOWING NEOADJUVANT CHEMOTHERAPY**Huang J.\*<sup>[1]</sup>, Pei X.<sup>[1]</sup>*<sup>[1]</sup>Sun Yat-Sen University Cancer Center ~ Guangzhou ~ China***NEW STRATEGIES FOR BREAST LESIONS CHARACTERIZATION: INTEGRATION OF ULTRASOUND BI-RADS AND SEMI-AUTOMATIC SOFTWARE "SMART BREAST", STRAIN ELASTOGRAPHY AND SHEAR WAVE ELASTOGRAPHY FOR MULTIPARAMETRIC EVALUATION**Renda M.\*<sup>[1]</sup>, Dolcetti V.<sup>[1]</sup>, Solito C.<sup>[1]</sup>, Di Bella C.<sup>[1]</sup>, Del Gaudio G.<sup>[1]</sup>, Raponi F.<sup>[1]</sup>, Pacini P.<sup>[1]</sup>, Loconte G.<sup>[1]</sup>, Catalano C.<sup>[1]</sup>, Cantisani V.<sup>[1]</sup>*<sup>[1]</sup>Università La Sapienza di Roma ~ Roma ~ Italy***CLASSIFICATION OF PARAVERTEBRAL MUSCLE TROPHISM AND ITS CORRELATION WITH THORACO-LUMBAR FASCIA THICKENING IN PATIENTS WITH CHRONIC LOW BACK PAIN**Vita F.<sup>[1]</sup>, Galletti S.<sup>[2]</sup>, Pederiva D.<sup>[1]</sup>, Stella S.M.<sup>[3]</sup>, Tedeschi R.<sup>[1]</sup>, Miceli M.<sup>[1]</sup>, Faldini C.<sup>[1]</sup>, Donati D.\*<sup>[4]</sup>*<sup>[1]</sup>Istituto Ortopedico Rizzoli ~ Bologna ~ Italy, <sup>[2]</sup>Scuola Siumb Msk ~ Bologna ~ Italy, <sup>[3]</sup>Scuola Siumb Msk ~ Pisa ~ Italy, <sup>[4]</sup>Policlinico Universitario ~ Modena ~ Italy***FIBRO-ADHESIVE BURSTITIS: A NEW ULTRASOUND SIGN IN PATIENTS WITH ADHESIVE CAPSULITIS**Vita F.\*<sup>[1]</sup>, Gualtierotti R.<sup>[2]</sup>, Miceli M.<sup>[1]</sup>, Faldini C.<sup>[1]</sup>, Origlio F.<sup>[1]</sup>, Galletti S.<sup>[3]</sup>, Stella S.M.<sup>[4]</sup>, Cavallo M.<sup>[1]</sup>, Tedeschi R.<sup>[1]</sup>, Donati D.<sup>[5]</sup>*<sup>[1]</sup>Istituto Ortopedico Rizzoli ~ Bologna ~ Italy, <sup>[2]</sup>Policlinico di Milano ~ Milano ~ Italy, <sup>[3]</sup>Scuola Siumb Msk ~ Bologna ~ Italy, <sup>[4]</sup>Scuola Siumb Msk ~ Pisa ~ Italy, <sup>[5]</sup>Policlinico Universitario ~ Modena ~ Italy***12.40 End of sessions****13.00 Lunch Symposium**





## SUNDAY NOVEMBER 10 PERSEIDE ROOM

**14.10 MPUS IN INTERVENTIONAL PROCEDURES****Moderators: E. Gotsiridze (Georgia), D. Nürnberg (Germany)**

- 14.10 How do I get there? Impossible and unlikely accesses in US-guided biopsy  
*J.L. del Cura (Spain)*
- 14.25 Focal Liver Lesions: which to puncture?  
*M.F. Meloni (Italy)*
- 14.40 Diffuse Liver disease: is biopsy still necessary in times of elastography?  
*M. Pompili (Italy)*
- 14.55 Up-Front vs. Delayed Thermal Ablation for Colorectal Liver Oligometastases: a multicenter retrospective study using Propensity Score Matching  
*L. Ping (China)*

**15.10 Q&A**

- 15.25 Renal cancer: biopsy or primary resection?  
*R. Lanocita (Italy)*
- 15.40 Cyst therapy by ethanol or what else?  
*Z. Sparchez (Romania)*
- 15.55 Unresectable liver tumours: multiple ablative options  
*G. Francica (Italy)*
- 16.10 Enhancing Precision Medicine: Fusion imaging Guided Interventions  
*C. Ewertsen (Denmark)*

**16.25 Q&A****16.40 Coffee Break**

**17.00 SCIENTIFIC SESSION: Head & Neck – Lung – Emergency -PoCUS**Moderators: **L. Appelbaum (Israel), G. Vidili (Italy)****CEUS IN THE DIFFERENTIAL DIAGNOSIS OF MALIGNANT AND BENIGN SUBPLEURAL LUNG LESIONS: SYSTEMATIC REVIEW AND META-ANALYSIS**Boccatonda A.\*<sup>[1]</sup>, D'Ardes D.<sup>[2]</sup>, Schiavone C.<sup>[2]</sup>, Piscaglia F.<sup>[1]</sup>, Serra C.<sup>[1]</sup><sup>[1]</sup>Alma Mater Studiorum Università di Bologna ~ Bologna ~ Italy, <sup>[2]</sup>G. D'Annunzio University ~ Chieti ~ Italy**VALUE OF CONTRAST-ENHANCED ULTRASOUND IN MUMMIFIED THYROID NODULES**Chengcheng N.\*<sup>[1]</sup><sup>[1]</sup>The Second Xiangya Hospital Of Central South University ~ Changsha ~ China**IMPLICATIONS OF A ULTRASOMICS SIGNATURE FOR PREDICTING MALIGNANCY IN THYROID NODULES WITH HASHIMOTO'S THYROIDITIS**Tingyue Q.\*<sup>[1]</sup><sup>[1]</sup>Affiliated Hospital Of Yangzhou University ~ Yangzhou City ~ China**COMPLICATIONS OF PERCUTANEOUS ETHANOL INJECTION FOR CYSTIC THYROID NODULES: INSTITUTIONAL EXPERIENCE WITH SYSTEMATIC REVIEW OF LITERATURE AND META-ANALYSIS**Scappaticcio L.\*<sup>[1]</sup>, Ferrazzano P.<sup>[1]</sup>, Di Martino N.<sup>[1]</sup>, Negro R.<sup>[2]</sup>, Deandrea M.<sup>[3]</sup>, Maiorino M.I.<sup>[1]</sup>, Caruso P.<sup>[1]</sup>, Di Nuzzo M.<sup>[1]</sup>, Longo M.<sup>[1]</sup>, Iorio S.<sup>[4]</sup>, Docimo G.<sup>[1]</sup>, Papi G.<sup>[5]</sup>, Trimboli P.<sup>[6]</sup>, Esposito K.<sup>[1]</sup>, Bellastella G.<sup>[1]</sup><sup>[1]</sup>University Of Campania L. Vanvitelli ~ Naples ~ Italy, <sup>[2]</sup>Ospedale Vito Fazzi ~ Lecce ~ Italy, <sup>[3]</sup>Ordine Mauriziano Hospital ~ Torino ~ Italy, <sup>[4]</sup>Endocrinology Service ~ Naples ~ Italy, <sup>[5]</sup>Azienda Usl Modena ~ Modena ~ Italy, <sup>[6]</sup>Ente Ospedaliero Cantonale ~ Lugano ~ Switzerland**RISK FACTORS AND CAUSES OF RECURRENT LARYNGEAL NERVE INJURY FROM THERMAL ABLATION OF HYPERPARATHYROIDISM**Qiu Y.<sup>[1]</sup>, Zhang D.<sup>[2]</sup>, Wu S.\*<sup>[1]</sup><sup>[1]</sup>Shengli Clinical Medical College Of Fujian Medical University, Department Of Ultrasonography, Fujian Provincial Hospital ~ Fuzhou ~ China, <sup>[2]</sup>Fujian Medical University Union Hospital ~ Fuzhou ~ China**DETECTION OF HUMAN PAPILLOMA-POSITIVE UNKNOWN PRIMARY CANCERS WITH TRANSORAL ULTRASOUND DURING PANENDOSCOPY**Garset-zamani M.\*<sup>[1]</sup>, Lomholt A.<sup>[1]</sup>, Charabi B.<sup>[1]</sup>, Norling R.<sup>[2]</sup>, Dejanovic D.<sup>[3]</sup>, Hall J.<sup>[3]</sup>, Makouei F.<sup>[1]</sup>, Agander T.<sup>[4]</sup>, Ersbøll A.<sup>[5]</sup>, Von Buchwald C.<sup>[1]</sup>, Todsén T.<sup>[1]</sup><sup>[1]</sup>Department Of Otorhinolaryngology, Head And Neck Surgery And Audiology, Copenhagen University Hospital – Rigshospitalet ~ Copenhagen ~ Denmark, <sup>[2]</sup>Department Of Radiology, Copenhagen University Hospital – Rigshospitalet ~ Copenhagen ~ Denmark, <sup>[3]</sup>Department Of Nuclear Medicine And Physiology, Copenhagen University Hospital – Rigshospitalet ~ Copenhagen ~ Denmark, <sup>[4]</sup>Department Of Pathology, Copenhagen University Hospital – Rigshospitalet ~ Copenhagen ~ Denmark, <sup>[5]</sup>National Institute Of Public Health, University Of Southern Denmark ~ Copenhagen ~ Denmark



### **IMPROVEMENT OF GLOBAL LONGITUDINAL STRAIN AND MYOCARDIAL WORK IN TYPE 2 DIABETES PATIENTS ON SODIUM-GLUCOSE COTRANSPORTER 2 INHIBITORS THERAPY**

Caturano A.\*<sup>[1]</sup>, Malvezzi Caracciolo D'aquino M.<sup>[2]</sup>, Scognamiglio G.<sup>[2]</sup>, Pezzullo E.<sup>[2]</sup>, Fabiani D.<sup>[2]</sup>, Del Giudice C.<sup>[2]</sup>, Carbone A.<sup>[2]</sup>, Bottino R.<sup>[2]</sup>, Nigro G.<sup>[2]</sup>, Russo V.<sup>[2]</sup>

<sup>[1]</sup>Department Of Advanced Medical And Surgical Sciences, University Of Campania "luigi Vanvitelli," ~ Naples ~ Italy, <sup>[2]</sup>Cardiology Unit, Department Of Medical Translational Sciences, University Of Campania "luigi Vanvitelli"-Monaldi Hospital ~ Naples ~ Italy

### **TONGUE TUMOR MARGIN MEASUREMENTS BY A NOVEL 3D ULTRASOUND TECHNIQUE CORRELATED TO HISTOPATHOLOGY: FRESH VS. FORMALIN-FIXATED SPECIMENS**

Makouei F.\*<sup>[1]</sup>, Dahl Frehr T.<sup>[2]</sup>, Klitmøller Agander T.<sup>[3]</sup>, Lelkaitis G.<sup>[3]</sup>, Kaltoft M.<sup>[1]</sup>, Sebelik M.<sup>[4]</sup>, Orloff L.A.<sup>[5]</sup>, Todsén T.<sup>[1]</sup>

<sup>[1]</sup>Department Of Otorhinolaryngology, Head And Neck Surgery & Audiology, Rigshospitalet ~ Copenhagen ~ Denmark, <sup>[2]</sup>Department Of Applied Mathematics And Computer Science, Technical University Of Denmark ~ Kongens Lyngby ~ Denmark, <sup>[3]</sup>Department Of Pathology, Rigshospitalet ~ Copenhagen ~ Denmark, <sup>[4]</sup>Department Of Otorhinolaryngology-Head And Neck Surgery, Emory University ~ Atlanta ~ United States Of America, <sup>[5]</sup>Department Of Otorhinolaryngology-Head And Neck Surgery, Stanford University ~ California ~ United States Of America

## **18.30 SCIENTIFIC SESSION: GYNECOLOGY**

**Moderators: P. Antsaklis (Greece), C. Caiazzo (Italy)**

### **THE CORRELATION STUDY OF STIFFNESS AND VISCOELASTICITY OF MYOMETRIUM IN ADENOMYOSIS: A PROSPECTIVE STUDY**

Huang Y.\*<sup>[1]</sup>

<sup>[1]</sup>Shengjing Hospital ~ Shenyang ~ China

### **LARGE HEMORRHAGIC OVARIAN CYSTS (OVER 50 MM): EXPERIENCED RADIOLOGIST ASSESSMENT ADDS VALUE BY REDUCING UNNECESSARY FOLLOW-UP AND AVOIDING MISDIAGNOSIS**

Zhu A.<sup>[1]</sup>, Sugi M.<sup>[1]</sup>, Young S.<sup>[1]</sup>, Morgan T.<sup>[1]</sup>, Patel M.\*<sup>[1]</sup>

<sup>[1]</sup>Mayo Clinic Arizona ~ Phoenix ~ United States Of America

### **NOMOGRAM FOR PREDICTING THE EFFICACY OF HIGH-INTENSITY FOCUSED ULTRASOUND ABLATION FOR UTERINE FIBROIDS: A RETROSPECTIVE SINGLE-CENTER STUDY BASED ON OXYTOCIN EXPERIMENTATION AND ULTRASONOGRAPHIC FEATURES**

Sheng C.<sup>[1]</sup>, Zhang D.\*<sup>[2]</sup>, Wu S.<sup>[3]</sup>, Guisheng D.<sup>[3]</sup>

<sup>[1]</sup>Fujian Medical University Union Hospital, Fujian Provincial Hospital ~ China ~ China, <sup>[2]</sup>Fujian Medical University Union Hospital ~ Fuzhou ~ China, <sup>[3]</sup>Fujian Provincial Hospital ~ Fuzhou ~ China



SOCIETÀ ITALIANA DI ULTRASONOLOGIA  
IN MEDICINA E BIOLOGIA



35<sup>th</sup> CONGRESS OF THE EUROPEAN FEDERATION OF SOCIETIES  
FOR ULTRASOUND IN MEDICINE AND BIOLOGY

# EUROSON 2024

**NAPLES ITALY NOVEMBER 11**

# EUROSON CONGRESS

## MONDAY NOVEMBER 11





## PLENARY GALATEA

### 11.40 SAFETY IN MULTIPARAMETRIC ULTRASOUND

Moderators: **C. Moran (United Kingdom), S. Spiezia (Italy)**

11.40 Be safe not worry - the safe use of diagnostic ultrasound  
*C. Kollmann (Austria)*

11.55 Generating and tracking of shear waves - is this safe?  
*K. V. Jenderka (Germany)*

12.10 Snap, crackle and pop – the safe use of ultrasonic contrast agents  
*C. Moran (United Kingdom)*

### 12.25 Q&A

### 12.35 LECTURE

Ultrasounds Screening in Obstetrics and Gynecology  
*P. Antsaklis (Greece)*

### 13.00 Lunch Break

### 14.45 MPUS US IN PEDIATRICS

Moderators: **A. Deganello (United Kingdom), G. Vallone (Italy)**

14.45 Assessment of children's chronic liver disease by multiparametric ultrasound  
*A. Deganello (United Kingdom)*

15.00 Sonography applications in paediatric orthopaedics  
*T. Novotny (Czech Republic)*

15.15 Lung Ultrasound for the Neonatologist  
*F. Raimondi (Italy)*

### 15.30 Q&A

**15.40 SIUMB SELECTED ABSTRACTS****New Generation Awards****Moderators: G. Iannetti (Italy), R. Villani (Italy)****LECTURE**

State-of-the art of Lung Ultrasound

*T. Todsén (Denmark)***16.05 Assessment of sarcopenia with ultrasound-based measurements in patients with chronic liver disease**Gallo P.\*<sup>[1]</sup>, Flagiello V.<sup>[1]</sup>, De Vincentis A.<sup>[1]</sup>, Terracciani F.<sup>[1]</sup>, Galati G.<sup>[1]</sup>, Falcomatà A.<sup>[1]</sup>, Picardi A.<sup>[1]</sup>, Vespasiani- Gentilucci U.<sup>[1]</sup><sup>[1]</sup> *Fondazione Policlinico Campus Biomedico ~ Rome ~ Italy***16.15 Steatotic liver disease (SLD) in the adult population: quantitative ultrasound compared to magnetic resonance**Maglia G.\*<sup>[1]</sup>, Solito C.<sup>[1]</sup>, Di Bella C.<sup>[1]</sup>, Renda M.<sup>[1]</sup>, Pacini P.<sup>[1]</sup>, Catalano C.<sup>[1]</sup>, Cantisani V.<sup>[1]</sup><sup>[1]</sup> *Sapienza Università di Roma ~ Roma ~ Italy***16.25 Closing remarks**

**PERSEIDE ROOM****8.30 REFRESHER COURSE****Selected CEUS applications****Moderators: E.M. Jung (Germany), P.N. Burns (Canada)**

8.30 Mysteries of the Bubble

*P.N. Burns (Canada)*

8.55 Pyelonephritis and Surroundings: the role of CEUS

*H.P. Weskott (Germany)*

9.15 CEUS in scrotal emergencies: the last chance

*M. Bertolotto (Italy)*

9.35 CEUS for Trauma Abdominal Emergencies: How, Why, and When

*D.A. Clevert (Germany)*

9.55 CEUS in the management of pediatric trauma patients

*A. Deganello (United Kingdom)*

10.15 Intracavitary CEUS applications

*C.F. Dietrich (Switzerland)***10.35 Q&A****10.45 Coffee Break****11.05 MPUS US IN GASTROINTESTINAL DISEASES****Moderators: C. Serra (Italy), R. Sirli (Romania)**

11.05 Acute gastrointestinal disease: a multiparametric US approach

*D. Nuernberg (Germany)*

11.20 The incidental gastrointestinal findings: pictorial essay

*O. H. Gilja (Norway)*

11.35 The role of multiparametric US in IBD

*A. Rispo (Italy)***11.50 Q&A**



## MONDAY NOVEMBER 11 PERSEIDE ROOM

12.00 Beyond IBD: management benefits of multiparametric US  
*K. Nylund (Norway)*

12.15 Functional gastrointestinal disease  
*G. Maconi (Italy)*

12.30 Elastography in GI diseases: the real use in clinical practice  
*A. Popescu (Romania)*

**12.45 Q&A**

**12.55 Lunch Break**

**14.10 THE ROLE OF ULTRASOUND FOR GENERAL PRACTITIONERS**  
**Moderators: F. M. Drudi (Italy), C. Ewertzen (Denmark)**

14.10 What primary care physicians really need  
*L.C. Pursglove (United Kingdom)*

14.30 Point-of-Care Ultrasound curricula in Primary Healthcare  
*C. A. Andersen (Denmark)*

14.50 Reliable and valid assessment of Point-of-Care Ultrasonography  
*T. Todsen (Germany)*

**15.10 Q&A**

**15.15 JOINT SESSION ESR/EFSUMB**  
**Multiparametric ultrasound in small parts examinations: where are we standing?**  
**Moderators: V. Cantisani (Italy), C. Ewertzen (Denmark), M. Sérafin-Krol (Poland)**

15.15 MPUS in Breast  
*B. Brkljačić (Croatia)*

15.30 MPUS in Thyroid  
*V. Cantisani (Italy)*

15.45 MPUS in Testis  
*M. Bertolotto (Italy)*

16.00 Future perspectives of Multiparametric Ultrasound, including AI  
*M. Radzina (Latvia)*

**16.15 Q&A**

**16.30 Closing Ceremony of Euroson 2024**



**ELETTRA ROOM****8.30 VASCULAR DISEASE: MULTIPARAMETRIC US ROLE****Moderators: R. Catalini (Italy), L. Scoutt (United States)**

- 8.30 The added value of Super Resolution Micro Vascular Imaging and time of arrival (TOA) in unclear lesions  
*D.A. Clevert (Germany)*
- 8.50 Carotid Stenosis: what's new? Is there a place for 3D arterial analysis ultrasound?  
*A. Santoliquido (Italy)*
- 9.10 Velocity vector imaging in the carotid artery as new tool for stroke prediction  
*A. Saris (The Netherlands)*
- 9.30 Cracking the code of vulnerable plaque: what do we know so far and what's new?  
*R. Catalini (Italy)*
- 9.50 The multiparametric US in the evaluation of EVAR: where are we?  
*R. Basilio (Italy)*

**10.10 Q&A****10.25 Coffee Break****10.45 FOCUS: VESSEL DOPPLER US****Moderators: A. Santoliquido (Italy), M. Serafin-Krol (Poland)****10.45 EUROSON LECTURE**

Volumetric assessment of intracranial flow in patients with carotid artery stenosis - new indications for interventional procedures  
*M. Elwertowski (Poland)*

- 11.10 Blood flow in portal hypertension: unusual presentations and pathways  
*A. Drelich-Zbroja (Poland)*
- 11.30 Clinical challenges, clinical images  
*A. Drelich Zbroja (Poland), M. Elwertowski (Poland)*

**12.00 Q&A****12.10 SCIENTIFIC SESSION: MISCELLANEOUS & EDUCATION****Moderators: B. Brkljadic (Croatia), M. Pompili (Italy)**



### **IMPACT OF UNDERGRADUATE ULTRASOUND EDUCATION ON CROSS-SECTIONAL IMAGE UNDERSTANDING AND VISUAL-SPATIAL ABILITY - A PROSPECTIVE STUDY**

Weimer J.\*<sup>[1]</sup>, Ruppert J.<sup>[2]</sup>, Kloeckner R.<sup>[3]</sup>, Weinmann-menke J.<sup>[4]</sup>, Lorenz L.<sup>[5]</sup>, Künzel J.<sup>[6]</sup>, Weimer A.<sup>[7]</sup>  
<sup>[1]</sup>Universitätsmedizin Mainz ~ Mainz ~ Germany, <sup>[2]</sup>Department Of Medicine, Justus Liebig University Giessen ~ Giessen ~ Germany, <sup>[3]</sup>8 Institute Of Interventional Radiology, University Hospital Schleswig-Holstein - Campus Lübeck ~ Lübeck ~ Germany, <sup>[4]</sup>Department Of Medicine, University Medical Center Of The Johannes Gutenberg University Mainz ~ Mainz ~ Germany, <sup>[5]</sup>Department Of Radiation Oncology And Radiotherapy, University Medical Center Of The Johannes Gutenberg University Mainz ~ Mainz ~ Germany, <sup>[6]</sup>Department Of Otorhinolaryngology, Head And Neck Surgery, University Hospital Regensburg ~ Regensburg ~ Germany, <sup>[7]</sup>Center Of Orthopedics, Trauma Surgery, And Spinal Cord Injury, Heidelberg University Hospital Heidelberg ~ Heidelberg ~ Germany

### **NOVEL SPINAL DEVICE FOR ULTRASOUND-TRIGGERED PROPHYLAXIS AGAINST BACTERIA IN ANIMAL MODEL OF SPINAL SURGERY**

Delaney L.\*<sup>[1]</sup>, Machado P.<sup>[1]</sup>, Winslow A.<sup>[1]</sup>, Liu J.<sup>[1]</sup>, Narayanan R.<sup>[1]</sup>, Ezeonu T.<sup>[1]</sup>, Kepler C.<sup>[1]</sup>, Hickok N.<sup>[1]</sup>, Forsberg F.<sup>[1]</sup>  
<sup>[1]</sup>Thomas Jefferson University ~ Philadelphia ~ United States Of America

### **SHEAR WAVE ELASTOGRAPHY OF THE LIVER AND SPLEEN COMBINED WITH SUBHARMONIC-AIDED PRESSURE ESTIMATION FOR DIAGNOSING CLINICALLY SIGNIFICANT PORTAL HYPERTENSION**

Mayer H.\*<sup>[1]</sup>, Vu T.<sup>[1]</sup>, Machado P.<sup>[1]</sup>, Dajti E.<sup>[2]</sup>, Mohammed A.<sup>[1]</sup>, Berzigotti A.<sup>[2]</sup>, Bosch J.<sup>[2]</sup>, Soulen M.<sup>[3]</sup>, Schultz S.<sup>[3]</sup>, Forsberg F.<sup>[1]</sup>  
<sup>[1]</sup>Thomas Jefferson University ~ Philadelphia ~ United States Of America, <sup>[2]</sup>Department Of Visceral Surgery And Medicine, Bern University Hospital ~ Bern ~ Switzerland, <sup>[3]</sup>Department Of Radiology, Hospital Of The University Of Pennsylvania ~ Philadelphia ~ United States Of America

### **CHALLENGING ULTRASOUND PRECISION TRAINING: DEVELOPMENT AND INITIAL VALIDATION OF A TAILORED SIMULATOR FOR HEAD AND NECK PROCEDURES**

Bakken S.\*<sup>[1]</sup>, Emiliani N.<sup>[2]</sup>, Bortolani B.<sup>[2]</sup>, Cerenelli L.<sup>[2]</sup>, Massarenti G.<sup>[3]</sup>, Masi L.<sup>[3]</sup>, Agostinelli D.<sup>[3]</sup>, Venturoli N.<sup>[3]</sup>, Marcelli E.<sup>[2]</sup>, Serra C.<sup>[3]</sup>  
<sup>[1]</sup>Department Of Medical And Surgical Sciences-Dimec, University Of Bologna, Italy. Interventional, Diagnostic And Therapeutic Ultrasound Unit, Irccs Azienda Ospedaliero Universitaria di Bologna, Bologna, Italy. ~ Bologna ~ Italy, <sup>[2]</sup>Edimes Lab – Bioengineering Laboratory, Department Of Medical And Surgical Sciences-Dimec, University Of Bologna, Italy ~ Bologna ~ Italy, <sup>[3]</sup>Interventional, Diagnostic And Therapeutic Ultrasound Unit, Irccs Azienda Ospedaliero Universitaria di Bologna, Bologna, Italy ~ Bologna ~ Italy

### **DEFINITION OF THE ECONOMIC AND ORGANISATIONAL SUSTAINABILITY OF CEUS FOR THE DETECTION OF INCIDENTAL FOCAL LIVER LESIONS**

Boccatonda A.<sup>[1]</sup>, Brighenti A.<sup>[1]</sup>, Bakken S.<sup>[1]</sup>, Ferrario L.<sup>[2]</sup>, Schettini F.<sup>[2]</sup>, Foglia E.<sup>[2]</sup>, Domanico A.<sup>[3]</sup>, Accogli E.<sup>[3]</sup>, Serra C.\*<sup>[1]</sup>  
<sup>[1]</sup>Bologna University ~ Bologna ~ Italy, <sup>[2]</sup>Liuc-Università Carlo Cattaneo ~ Castellanza (Va) ~ Italy, <sup>[3]</sup>Ospedale Maggiore - Ausl Bologna ~ Bologna ~ Italy

**13.00 End of Sessions**

**13.20 Lunch Symposium**



## ULISSE ROOM

## 8.30 LATE BREAKING ABSTRACTS

Moderators: V. Cantisani (Italy), C. Jenssen (Germany)

**THE ROLE OF MULTIPARAMETRIC POCUS, WITH THE SUPPORT OF AI AND VISCERAL MORPHOMETRY FOR THE DIAGNOSIS OF METABOLIC DYSFUNCTION-ASSOCIATED STEATOTIC LIVER DISEASE (MASLD) IN THE FAMILY DOCTOR'S PRACTICE**Iacob M.\*<sup>[1]</sup>

<sup>[1]</sup>1. The European Association For The Development Of Clinical Ultrasonography In Ambulatory Health Care (Outpatient Health Care) Euvekus / Eadus, Vienna, Austria; 2. Center For Preventive Medicine, University Of Medicine And Pharmacy "victor Babeş", Timis

**THE APPLICATION OF SINGLE-MODE FUSION IMAGING IN PRECISE LIVER CANCER ABLATION THROUGHOUT THE ENTIRE PROCESS**Xie X.\*<sup>[1]</sup>, Huang G.<sup>[1]</sup>, Zhang X.<sup>[1]</sup>, Liu J.<sup>[1]</sup>, Lin M.<sup>[1]</sup>, Xu M.<sup>[1]</sup>

<sup>[1]</sup>Ultrasonics Department Of The First Affiliated Hospital Of Sun Yat Sen University In Guangzhou, China ~ Guangzhou ~ China

**VALUE OF CONTRAST-ENHANCED ULTRASOUND TO EVALUATE THE ANTI-ANGIOGENESIS EFFECT OF CISPLATIN COMBINED WITH CURCUMIN ON LARYNGOPHARYNGEAL CARCINOMA GRAFTS**Hu Q.\*<sup>[1]</sup>, Zhang J.<sup>[2]</sup>

<sup>[1]</sup>Department Of Ultrasound, People'S Hospital Of Guangxi Zhuang Autonomous Region ~ Nanning ~ China, <sup>[2]</sup>Guangxi University Of Traditional Chinese Medicine ~ Nanning ~ China

**FIRST-IN-HUMAN TRIAL OF NANOSECOND PULSED ELECTRIC FIELD IN PATIENTS WITH HEPATOCELLULAR CARCINOMA NOT AMENABLE TO THERMAL ABLATION: A PROSPECTIVE MULTI-CENTER STUDY**Xu M.\*<sup>[1]</sup>, Jiang T.<sup>[1]</sup>

<sup>[1]</sup>Department Of Ultrasound Medicine, The First Affiliated Hospital, Zhejiang University School Of Medicine ~ Hangzhou ~ China

**INCORPORATION OF ANTAGONIST-II AND A-FETOPROTEIN INTO THE ULTRASOUND-GUIDED ABLATION CRITERIA EXPANDS BENEFICIARIES FOR PATIENTS WITH HCC:A TEN-YEAR RETROSPECTIVE STUDY IN CHINA**Li X.\*<sup>[1]</sup>, Ta J.<sup>[1]</sup>

<sup>[1]</sup>Department Of Ultrasound, The First Affiliated Hospital, Zhejiang University School Of Medicine ~ Hangzhou ~ China

**THE IMPACT OF ELEXACAFOR-TEZACAFOR-IVACAFOR (ETI) TREATMENT ON GASTROINTESTINAL SYMPTOMS, INTESTINAL ULTRASOUND FINDINGS AND PANCREATIC STIFFNESS IN PATIENTS WITH CYSTIC FIBROSIS**Piagnani A.<sup>[1]</sup>, Corti F.<sup>[1]</sup>, Lanfranchi C.<sup>[1]</sup>, Colombo C.<sup>[1]</sup>, Fraquelli M.\*<sup>[1]</sup>

<sup>[1]</sup>Fondazione Irccs Ca' Granda Ospedale Maggiore Policlinico ~ Milano ~ Italy



### BIOMARKERS OF MICROVASCULATURE BY ULTRA MICRO-ANGIOGRAPHY (UMA) ASSIST TO IDENTIFY PAPILLARY THYROID CARCINOMA (PTC) IN BETHESDA III

Wang Q.\*<sup>[1]</sup>, Zhang S.<sup>[1]</sup>, Yu H.<sup>[1]</sup>, Zhang J.<sup>[2]</sup>

<sup>[1]</sup>Tianjin University School Of Medicine ~ Tianjin ~ China, <sup>[2]</sup>Tianjin Medical University General Hospital ~ Tianjin ~ China

### INVESTIGATION OF CELLULAR RNA EXPRESSION PROFILES IN ULTRASOUND-GUIDED RADIOFREQUENCY ABLATION-TREATED TRANSPLANTED TUMOUR MODELS OF HUMAN LIVER CANCER

Jiamin Chen.<sup>[1]</sup>, Dongyue Wen<sup>[1]</sup>, Peng Lin<sup>[1]</sup>, Jinshu Pang<sup>[1]</sup>, Hong Yang<sup>[1]</sup>

1 The First Affiliated Hospital of Guangxi Medical University

### NON-INVASIVE PREDICTION OF LYMPH NODE METASTASIS IN PANCREATIC CANCER USING AN ULTRASOUND-BASED CLINICORADIOMICS MACHINE LEARNING MODEL

Yang Y.\*<sup>[1]</sup>, Wen D.<sup>[1]</sup>, Chen J.<sup>[1]</sup>, Tang Z.<sup>[1]</sup>, Pang J.<sup>[1]</sup>, Qin Q.<sup>[1]</sup>, Zhang L.<sup>[1]</sup>, He Y.<sup>[1]</sup>, Yang H.<sup>[1]</sup>

<sup>[1]</sup>The First Affiliated Hospital Of Guangxi Medical University ~ Nanning ~ China

### DIAGNOSIS OF OVARIAN CANCER USING A MULTI-MODALITY DEEP LEARNING MODEL: A MULTICENTER RETROSPECTIVE ANALYSIS

Wu M.\*<sup>[1]</sup>, Yang H.<sup>[2]</sup>, Chen Y.<sup>[1]</sup>, Wang Y.<sup>[1]</sup>, Wang R.<sup>[2]</sup>, Hu J.<sup>[2]</sup>, Zhang X.<sup>[1]</sup>

<sup>[1]</sup>The Third Affiliated Hospital Of Sun Yat-Sen University ~ Guangzhou ~ China, <sup>[2]</sup>Sun Yat-Sen University ~ Guangzhou ~ China

#### 10.20 Coffee Break

#### 10.40 WEST MEETS EAST JOINT SESSION ON CONTRAST ENHANCED ULTRASOUND

10.40 Welcome and introduction  
V. Cantisani (Italy), L. Ping (China), F. Piscaglia (Italy)

10.50 **SCIENTIFIC COMMUNICATION**  
VALUE OF CONTRAST-ENHANCED ULTRASOUND TO EVALUATE THE ANTI-ANGIOGENESIS EFFECT OF CISPLATIN COMBINED WITH CURCUMIN ON LARYNGOPHARYNGEAL CARCINOMA GRAFTS  
Qiao Hu (China)

11.00 **ROUND TABLE**  
**Moderator:** F. Piscaglia (Italy)  
**Panelists:** C. Serra (Italy), I. Sporea (Romania), X. Xie (China), J. Ren (China), S. Li (China)

What role for CEUS in daily routine work-up for liver lesions in the following clinical scenarios:

- a) Incidental lesions
- b) oncologic patients
- c) cirrhotic patients

**11.25 SCIENTIFIC COMMUNICATION**

RADIOMICS NOMOGRAM BASED ON CEUS MIGHT OPTIMIZE TREATMENTS FOR ADVANCED HEPATOCELLULAR CARCINOMA PATIENTS

*Jia-Xin Huang (China)*

**11.35 ROUND TABLE**

**Moderator:** *V. Cantisani (Italy)*

**Panelists:** *R. Barr (United States), C. Chammas (Brazil), V. Cantisani (Italy), F. Li (China), W. W. Ling (China)*

**CEUS role for Renal Cyst classification:**

- a) where CEUS is superior to other imaging modalities and should be used
- b) where CEUS is not useful
- c) from actual current to future classifications: joining partnership

**Use of CEUS in the ablation of solid renal lesion****12.00 SCIENTIFIC COMMUNICATION**

APPLICATION VALUE OF CONTRAST-ENHANCED ULTRASOUND IN THE PRE-OPERATIVE PREDICTION OF INVASIVE RENAL CELL CARCINOMA

*Xiao Huang (China)*

**12.10 ROUND TABLE**

**Moderator:** *F. Piscaglia (Italy)*

**Panelists:** *C. Ewertsen (Denmark), D.A. Clevert (Germany), M.F. Meloni (Italy), H. Yang (China), Y. Huang (China), J. Luo (China), X. Leng (China)*

**Role of CEUS in the support to percutaneous ablation treatment of:**

- a) Liver metastasis
- b) Hepatocellular carcinoma
- c) Uterine and thyroid masses

**12.35 SCIENTIFIC COMMUNICATION**

EARLY EFFICACY PREDICTION USING CONTRAST-ENHANCED ULTRASOUND IN PATIENTS WITH ADVANCED UNRESECTABLE HEPATOCELLULAR CARCINOMA TREATED WITH TARGETED THERAPY, IMMUNOTHERAPY, AND HEPATIC ARTERIAL INFUSION CHEMOTHERAPY

*Wei Dai (China)*

**12.45 Conclusion and Greetings**

*V. Cantisani (Italy), F. Piscaglia (Italy)*



## E-POSTERS

**All abstracts accepted as Posters are listed in the Abstract Book, published both in MYSIUMB app and on the Euroson 2024 website.**

**They can also be visualized at the Poster session located in the Retro Galatea area of the Congress venue.**



SOCIETÀ ITALIANA DI ULTRASONOLOGIA  
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# EUROSON 2024

NAPLES ITALY NOVEMBER 9 | 11

## STUC CONGRESS

BASIC AND ADVANCED ULTRASOUND  
FOR MEDICAL STUDENTS





SATURDAY NOVEMBER 9 AGAVE ROOM

## SATURDAY NOVEMBER 9

### 14.00 WELCOME AT STUC 2024

*Dieter Nürnberg (Germany), Sophie-Luise Säger (Germany), Roxana Sirli (Romania)*

### 14.15 SONOBATTLE PART 1

**Moderators: B. Eichinger (Austria), T. Hofmann (Germany)**

### 15.45 Break

### PHYSICS OF ULTRASOUND, KNOBOLOGY & DOPPLER BASICS

**Moderators: K. Bay Rask (Denmark), C. Kollmann (Austria)**

16.00 Physics of US and knowbology  
*Christian Kollmann (Austria)*

16.15 How to adjust the ultrasound image and useful artefacts (live demo)  
*Dieter Nürnberg (Germany)*

16.30 Basics of vascular sonography - Principles of Doppler sonography  
*Christian Jenssen (Germany)*

### 17.00 Break

### 17.15 HANDS-ON IN SMALL GROUPS

18.15

### 18.30 OPENING CEREMONY OF EUROSON CONGRESS 2024





SUNDAY NOVEMBER 10 AGAVE ROOM

## SUNDAY NOVEMBER 10

### BILIARY SYSTEM & LIVER

**Moderators: G. Ferraioli (Italy), M. Raposo Pereira (Portugal)**

- 8.30 Examination of the liver - normal aspects  
*Giovanna Ferraioli (Italy)*
- 8.45 Examination of the gallbladder and bile ducts - normal aspects (live demo)  
*Alina Popescu (Romania)*
- 9.00 Liver pathologies (diffuse liver disease and focal lesions)  
*Roxana Sirli (Romania)*

### 9.30 HANDS-ON IN SMALL GROUPS

10.15

### 10.15 Break

- 10.30 **Keynote Lecture**  
Students Ultrasound Education - SUSE  
*Cristoph F. Dietrich (Switzerland)*

### KIDNEY AND BLADDER

**Moderators: M. C. Brunese (Italy), L. Derchi (Italy)**

- 10.50 Anatomy of renal district (including urinary tract)  
*Francesco M. Drudi (Italy)*
- 11.05 Renal cystic lesions  
*Beniamino Corcioni (Italy)*
- 11.20 Renal solid lesions  
*Lorenzo Derchi (Italy)*

### 11.30 Break



SUNDAY NOVEMBER 10 AGAVE ROOM

**HEAD AND NECK – THE NECK IN 7 SWEEPS**

**Moderators: K. Bay Rask (Denmark), T. Todsén (Denmark)**

- 11.45 Head and Neck US walk through (7 sweeps)  
*Tobias Todsén (Denmark)*
- 12.00 Thyroid - examination and most frequent pathologies  
*Elene Gotsiridze (Georgia)*

**12.15 FLIPPERING HANDS-ON**

**13.00 Lunch Break**

**14.10 HANDS-ON IN SMALL GROUPS**

**15.10**

**15.15 SONOBATTLE PART 2**

**Moderators: B. Eichinger (Austria), T. Hofmann (Germany)**

**LUNG ULTRASOUND**

**Moderators: M. Zbroja (Poland), G. Rea (Italy)**

- 16.45 Lung US: most frequent pathologies and consolidation of the lung Differential diagnosis  
*Christian Jenssen (Germany)*
- 17.15 Thorax examination and basics of Lung US  
*Gaetano Rea (Italy)*

**17.30 DEMO SESSION**

**18.15**

**MUSCULOSKELETAL ULTRASOUND**

**Moderators: T. Hofmann (Germany), M. Zappia (Italy)**

- 18.15 Basics of anatomy  
*Marcello Zappia (Italy)*
- 18.30 MSK US examination and frequent pathologies  
*Marcello Zappia (Italy)*

**19.00 End of Sessions**



MONDAY NOVEMBER 11 **AGAVE ROOM**

## MONDAY NOVEMBER 11

### ULTRASOUND GUIDED PUNCTION/INTERVENTION AND FREE TRAINING

Moderators: M.F. Meloni (Italy), C. Remus (Germany)

9.00 Basics in INVUS- Interventional US and US guided vascular puncture  
*Zeno Sparchez (Romania)*

9.15 Therapeutic Interventions, an overview  
*Maria Franca Meloni (Italy)*

### 9.30 HANDS-ON IN SMALL GROUPS

10.30

10.30 **Break**

### 11.00 SONOBATTLE PART 3

Moderators: B. Eichinger (Austria), T. Hofmann (Germany)

### 11.40 SONO-QUIZZES

Moderators: D. Nürnberg (Germany), S. Kunkel (Germany)

### 12.10 EVALUATION AND CERTIFICATES

Moderators: R. Sirli (Romania), S. L. Säger (Germany)

12.30 **End of Stuc Sessions**

# ADVANCED COURSES





SOCIETÀ ITALIANA DI ULTRASONOLOGIA  
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**EUROSON 2024**

**NAPLES ITALY NOVEMBER 9|10**



# EUROSON SCHOOL

CONTRAST ENHANCED ULTRASOUND (CEUS):  
FROM BASIC TO ADVANCED APPLICATIONS

**Course Directors: V. Cantisani (Italy), F. Piscaglia (Italy), C. Serra (Italy)**



SATURDAY NOVEMBER 9 ELETTRA ROOM

## SATURDAY NOVEMBER 9

### Session 1. THE BASICS

**Moderators:** C. Serra (Italy), G. Vidili (Italy)

- 8.30 Microbubbles physical principles and tips and tricks to perform CEUS exams  
*Christoph F. Dietrich (Switzerland)*
- 9.10 Safety considerations  
*Christian Kollmann (Austria)*

### Session 2. STARTING WITH THE LIVER

**Moderators:** F. Calliada (Italy), L. Ping (China)

- 09.30 Benign focal liver lesions: the real help of CEUS  
*Vito Cantisani (Italy)*
- 10.05 Diagnostics approach to malignant lesions with CEUS  
*Fabio Piscaglia (Italy)*
- 10.45 Q&A**
- 10.55 Break**
- 11.15 Vascular Liver Disease: use of CEUS  
*Adrian Lim (United Kingdom)*
- 11.40 CEUS in gallbladder and bile duct diseases  
*Christian Palsson Nolsøe (Denmark)*
- 12.05 Assessment of response to locoregional and systemic treatments of liver tumors  
*Andrej Lyshchik (United States)*
- 12.25 Interactive cases: learning from clinical practice  
*Adrian Lim (United Kingdom), Andrej Lyshchik (United States),  
Christian Palsson Nolsøe (Denmark)*

### 13.00 Lunch Break



SATURDAY NOVEMBER 9 ELETTRA ROOM

**Session 3. CEUS OF THE KIDNEY AND PANCREAS**

**Moderators: O. Catalano (Italy), C.Jenssen (Germany)**

- 14.30 Kidney: CEUS, true or false utility?  
*Liat Appelbaum (Israel)*
- 15.00 Pancreatic diseases: CEUS patterns and indications  
*Mirko D'Onofrio (Italy)*
- 15.30 Interactive cases: learning from clinical practice  
*Orlando Catalano (Italy), Mirko D'Onofrio (Italy), Christian Jenssen (Germany)*

**Session 4. CEUS OF SUPERFICIAL ORGANS, MUSCULOSKELETAL AND UROGENITAL SYSTEMS**

**Moderators: P. Huang (China), C. Martinoli (Italy)**

- 16.15 Superficial organs: when could we or should we use CEUS?  
*Majia Radzina (Latvia)*
- 16.45 Any indication for CEUS in Musculoskeletal diseases?  
*Roberto Stramare (Italy)*
- 17.15 Interactive cases: learning from clinical practice  
*Pintong Huang (China), Majia Radzina (Latvia), Roberto Stramare (Italy)*

**18.00 Q&A**



SUNDAY NOVEMBER 10 ELETTRA ROOM

**SUNDAY NOVEMBER 10****Session 5. CEUS FOR LOWER ABDOMEN****Moderators: P. Antsaklis (Greece), F. M. Drudi (Italy)**

- 9.00 Scrotum and Prostatic diseases: must CEUS be an available tool in our lab?  
*Michele Bertolotto (Italy)*
- 9.30 Contrast enhanced ultrasound imaging in pregnancy and female reproductive organs: diagnostic value and safety  
*Massimo Mischi (The Netherlands)*
- 10.00 Interactive cases: learning from clinical practice  
*Michele Bertolotto (Italy), Paul Sidhu (United Kingdom)*

**Session 6. CEUS AND GASTROINTESTINAL TRACT****Moderators: O.H. Gilja (Norway), D.Nuernberg (Germany)**

- 10.30 Chronic Intestinal disease: multiple applications of CEUS and imaging patterns and related management benefits  
*Giovanni Maconi (Italy)*
- 11.00 Acute intestinal disease: when it's worth using CEUS  
*Carla Serra (Italy)*
- 11.30 Interactive cases: learning from clinical practice  
*Odd Helge Gilja (Norway), Giovanni Maconi (Italy), Carla Serra (Italy)*

**Session 7. CEUS AND INTERVENTIONAL ULTRASOUND****Moderators: F. Calliada (Italy), M. D'Onofrio (Italy)**

- 12.00 Percutaneous liver lesions ablation: never without CEUS!  
CEUS in US-guided liver intervention  
*Luigi A. Solbiati (Italy)*
- 12.30 Interventional beyond the liver: CEUS contribution  
*Maria Franca Meloni (Italy)*
- 13.00 Interactive cases: learning from clinical practice  
*José Luis del Cura (Spain), Maria Franca Meloni (Italy)*

**13.20 Lunch Symposium**





SUNDAY NOVEMBER 10 ELETTRA ROOM

**Session 8. OTHER CEUS APPLICATION**

**Moderators: E. Bartels (Germany), F. Piscaglia (Italy)**

- 14.45 CEUS in blunt abdominal trauma  
*Marco Di Serafino (Italy)*
- 15.10 Pediatric CEUS applications  
*Annamaria Deganello (United Kingdom)*
- 15.45 CEUS endoscopic applications  
*Christian Jenssen (Germany)*
- 16.10 From aorta to carotid artery: which role for CEUS?  
*Dirk André Clevert (Germany)*
- 1635 CEUS application in Neurosonology  
*Eva Bartels (Germany)*
- 17.00 Future perspectives in contrast ultrasound  
*Flemming Forsberg (United States)*
- 17.15 Closing remarks**  
*Vito Cantisani (Italy), Fabio Piscaglia (Italy), Carlo Serra (Italy)*



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# EUROSON 2024

NAPLES ITALY NOVEMBER 9|10

## ADVANCED COURSE ON VASCULAR ULTRASOUND



SATURDAY NOVEMBER 9 DIONE ROOM

## SATURDAY NOVEMBER 9

8.30 Introduction  
*Angelo Santoliquido (Italy)*

### TECHNICAL AND METHODOLOGICAL APPROACH Moderators: **D.A. Clevert (Germany), A. Santoliquido (Italy)**

8.40 Optimization of Doppler and eco-color Doppler signal: machine setting, speed, PFR, aliasing and artifacts *[including video]*  
*Leslie Scoutt (United States)*

### THE HEAD AND NECK DISTRICT

9.10 Normal anatomy of the carotid and vertebral district *[including video]*  
*Boris Brkljačić (Croatia)*

9.30 Classification and evaluation of carotid stenosis  
*Roberto Catalini (Italy)*

9.50 Evaluation of the unstable carotid plaque: not only CEUS  
*Dirk André Clevert (Germany)*

10.05 Vertebro-basilar diseases  
*Uwe Walter (Germany)*

10.25 Doppler of the eye  
*Suna Ozham Oktar (Turkey)*

**10.40 Q&A**

**10.50 Break**

**Moderators: E. Bartels (Germany), P. Caliandro (Italy)**

11.10 Indications for carotid revascularization and follow up after Endarterectomy (TEA) and stenting  
*Giovanni Tinelli (Italy)*

11.30 Non-atherosclerotic disease of the carotid arteries: dissection, arteritis and....  
*Vincenzo Zaccone (Italy)*

11.50 Transcranial Color Doppler (TTCD)  
*Pietro Caliandro (Italy)*

**12.10 Q&A**

**12.20 Challenging cases**  
*Eva Bartels (Germany), Pietro Caliandro (Italy), Uwe Walter (Germany)*

**12.50 Lunch Symposium**



SATURDAY NOVEMBER 9 **DIONE ROOM**

**PERIPHERAL VESSELS**

**Moderators: R. Catalini (Italy), N. Dahiya (United States)**

- 14.45 Arteries and veins of the lower limbs *[including video]*  
*Alessia D'Alessandro (Italy)*
- 15.05 Arteries and veins of the upper limb *[including video]*  
*Leslie Scoutt (United States)*
- 15.25 Ultrasound-guided vascular access  
*Igor Giarretta (Italy)*
- 15.45 Venous incompetence in lower limbs  
*Nirvikar Dahiya (United States)*
- 16.05 Superficial and deep vein thrombosis  
*Angelo Santoliquido (Italy)*
- 16.25 Thoracic outlet syndrome  
*Alessandro Cina (Italy)*
- 16.45 Q&A**
- 16.55 Challenging cases**  
*Alessandro Cina (Italy), Igor Giarretta (Italy), Leslie Scoutt (United States)*
- 17.30 End of Sessions**



SUNDAY NOVEMBER 10 **DIONE ROOM**

## SUNDAY NOVEMBER 10

### THE ABDOMINAL AORTA

Moderators: **G. Di Candio (Italy), K. Nylund (Norway)**

8.30 Normal anatomy of aorta and main splanchnic branches *[including video]*  
*Carla Serra (Italy)*

8.55 Diseases of the aorta and celiac-mesenteric arteries  
*Giulio Di Candio (Italy)*

9.15 Assessment of endovascular aortic and splanchnic vessels treatment  
*Giovanni Tinelli (Italy)*

#### 9.35 Q&A

### THE SPLANCHNIC DISTRICT

9.45 Portal vein thrombosis  
*Ioan Sporea (Romania)*

10.05 Intra-hepatic shunts and tips  
*Horia Stefanescu (Romania)*

#### 10.25 Break

10.45 Liver transplant  
*Arturas Samuilis (Lithuania)*

#### 11.05 Q&A

### THE NEPHRO-UROLOGICAL DISTRICT

Moderators: **R. Basilico (Italy), N. Chaubal (India)**

11.15 Kidney and renal vessels *[including video]*  
*Nitin Chaubal (India)*

11.40 Renal Hypertension  
*Mustafa Secil (Turkey)*

12.00 Medical nephropathies  
*Antonio Granata (Italy)*

#### 12.20 Q&A

#### 12.30 Challenging cases

*Raffaella Basilico (Italy), Andrea Bocatonda (Italy), Arturas Samuilis (Lithuania)*

#### 13.00 Closing remarks

#### 13.10 Lunch Symposium



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# EUROSON 2024

NAPLES ITALY NOVEMBER 10|11

## ADVANCED COURSE ON MUSCULOSKELETAL ULTRASOUND



SUNDAY NOVEMBER 10 **DIONE ROOM**

## SUNDAY NOVEMBER 10

### ULTRASOUND IMAGING OF SPORTS-SPECIFIC INJURIES

**Moderators: F. Jiménez-Díaz (Spain), C. Martinoli (Italy)**

- 14.45 Introduction  
*C. Martinoli (Italy)*
- 14.50 Running Injuries  
*Luca Maria Sconfienza (Italy)*
- 15.20 Football (soccer) Injuries  
*Marcello Zappia (Italy)*
- 16.05 Handball (volleyball, basketball) Injuries  
*Francesco Di Pietto (Italy)*
- 16.35 Mountain Sports (incl. rock climbing, skiing, and snowboarding) Injuries  
*C. Martinoli (Italy)*

### 17.05 Break

**Moderators: E. Drakonaki (Greece), L.M. Sconfienza (Italy)**

- 17.25 Golf and Racquet (tennis) Injuries  
*Fernando Jiménez-Díaz (Spain)*
- 18.05 Cycling and Rowing (incl. canoeing and kayaking) Injuries  
*Federico Zaottini (Italy)*

### 18.25 Q&A - Panel Discussion



MONDAY NOVEMBER 11 **DIONE ROOM**

## MONDAY NOVEMBER 11

### ULTRASOUND OF SYNOVIAL JOINTS (PT. I)

**Moderators: R. Stramare (Italy), F. Zaottini (Italy)**

- 8.30 From Gross Anatomy to Ultrasound Dissection  
*Ingrid Möller Parera (Spain)*
- 9.00 Ultrasound Scanning Techniques, Dynamic Ultrasound and Microvascular Flow Systems:  
Tips and Tricks  
*Elena Drakonaki (Greece)*
- 9.30 Recesses, Cysts and Bursae in the Musculoskeletal System  
*Malgorzata Serafin-Krol (Poland)*

#### 10.15 Break

- 10.35 Chronic Inflammatory Joint Disorders (I)  
*Daniela Fodor (Romania)*
- 11.20 Chronic Inflammatory Joint Disorders (II)  
*Iwona Sudol-Szopinska (Poland)*
- 12.05 Degenerative Osteoarthritis  
*Chiara Giraudo (Italy)*

#### 12.45 Q&A - Panel Discussion

#### 13.00 Lunch Symposium

### ULTRASOUND OF SYNOVIAL JOINTS (PT. II)

**Moderators: C. Martinoli (Italy), G. Ivanac (Romania)**

- 14.30 Infectious Disease and Hemarthrosis  
*Chiara Giraudo (Italy)*
- 15.00 Articular Cartilage and Fibrocartilage Disorders  
*Elena Drakonaki (Greece)*
- 15.30 Intraarticular Extrasynovial Disorders  
*Ingrid Möller Parera (Spain)*
- 15.50 Articular and Paraarticular Tumors and Tumor-Mimickers  
*Gordana Ivanac (Croatia)*

#### 16.15 Q&A - Panel Discussion

#### 16.30 Closing remarks





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# EUROSON 2024

NAPLES ITALY NOVEMBER 9|10

## INTERMEDIATE COURSE ON ULTRASONOLOGY SIUMB GYMNASIUM

**Scientific Directors: O. Catalano (Italy), G. Iannetti (Italy)**

Gymnasium Course is an upgrade course that is placed in an intermediate position between the Basic and Advanced Ultrasound Courses of SIUMB training plan. Its format is composed not only of face-to-face lessons, but also of video-lessons, to allow the Attendees learn technical and methodological aspects of Ultrasound technique. Furthermore, the most recent literature will be commented by the experts.



SATURDAY NOVEMBER 9 CALYPSO ROOM

## SATURDAY NOVEMBER 9

9.00 Introduction  
*Orlando Catalano (Italy), Giovanni Iannetti (Italy)*

### FACING THE ACUTE ABDOMEN. PART 1

**Moderators: O. Catalano (Italy), G. Iannetti (Italy)**

9.10 A surgeon approach to acute abdominal pain  
*Giulio Di Candio (Italy)*

9.30 Right upper and lower abdominal pain  
*Ioan Sporea (Romania)*

9.50 Left upper and lower abdominal pain  
*Giovanni Maconi (Italy)*

10.10 Acute flank pain  
*Orlando Catalano (Italy)*

10.30 Diffuse abdominal pain  
*Stefania Tamburrini (Italy)*

**10.50 Q&A**

**11.00 Break**

### FACING THE ACUTE ABDOMEN. PART 2

**Moderators: R. Basilico (Italy), I. Sporea (Romania)**

11.20 Acute pelvic pain in female  
*Wendaline Van Buren (United States)*

11.40 Non-ultrasound imaging of acute abdominal pain  
*Francesca Iacobellis (Italy)*

12.00 Ultrasound-guided intervention in the setting of acute abdomen  
*Giampiero Francica (Italy)*

**12.20 Q&A**

**12.30 Clinical cases**  
*Marco Di Serafino (Italy), Giampiero Francica (Italy), Ioan Sporea (Romania)*

**13.00 Lunch Symposium**



SATURDAY NOVEMBER 9 CALYPSO ROOM

### HEPATIC SCENARIOS

**Moderators: F. Piscaglia (Italy), L. Tarantino (Italy)**

14.30 Evaluating a patient with liver steatosis  
*Alina Popescu (Romania)*

14.50 Rule out an hepatocellular carcinoma  
*Zeno Sparchez (Romania)*

15.10 Rule out liver metastasis  
*Adrian Lim (United Kingdom)*

### 15.30 Q&A

### 15.40 Clinical cases

*Maria Chiara Brunese (Italy), Alina Popescu (Romania), Zeno Sparchez (Romania)*

### 16.10 Break

### BILIARY, PANCREATIC, AND SPLENIC SCENARIOS

**Moderators: T.V. Bartolotta (Italy), G. Di Candio (Italy)**

16.30 Evaluating a patient with jaundice  
*Andrea Boccatonda (Italy)*

16.50 Evaluating a patient with hyperamylasemia  
*Mirko D'Onofrio (Italy)*

17.10 *Evaluating a patient with splenomegaly*  
*Tommaso Vincenzo Bartolotta (Italy)*

### 17.30 Q&A

### 17.40 Clinical cases

*Enza Di Lembo (Italy), Sophie Sanger (Germany), Giampaolo Vidili (Italy)*

### 18.10 End of Sessions



SUNDAY NOVEMBER 10 CALYPSO ROOM

## SUNDAY NOVEMBER 10

### HOW I DO IT. METHODOLOGY, TIPS, AND TRICKS. PART 1

Moderators: **M. Becciolini (Italy)**, **C. Bortolotto (Italy)**

8.30 Performing a shoulder ultrasound exam  
*Salvatore Gitto (Italy)*

8.50 Performing a hip ultrasound exam  
*Jeannette Kraft (United Kingdom)*

9.10 Performing an ankle ultrasound exam  
*Francesco Di Pietto (Italy)*

9.30 Performing a wrist ultrasound exam  
*Luca Maria Sconfienza (Italy)*

9.50 Performing a knee ultrasound exam  
*Roberto Stramare (Italy)*

#### 10.10 Q&A

#### 10.20 Clinical cases

*Marco Becciolini (Italy), Jeannette Kraft (United Kingdom), Roberto Stramare (Italy)*

#### 10.50 Break

### HOW I DO IT. METHODOLOGY, TIPS, AND TRICKS. PART 2

Moderators: **G. Tinelli (Italy)**, **C. Yucel (Turkey)**

11.10 Evaluating a patient with elevated parathyroid hormone levels  
*Majja Radzina (Latvia)*

11.30 Performing an intra-operative neck ultrasound  
*Stefano Spiezia (Italy)*

11.50 Performing a skin ultrasound exam  
*Valentina Dini (Italy)*

#### 12.10 Q&A

#### 12.20 Clinical cases

*Leonardo Brizzi (Italy), Julian Kuenzel (Germany), Angelo Santoliquido (Italy)*

#### 13.00 Lunch Break



SUNDAY NOVEMBER 10 CALYPSO ROOM

**HOW I DO IT. METHODOLOGY, TIPS, AND TRICKS. PART 3**

**Moderators: O. Catalano (Italy), M. Valentino (Italy)**

14.40 Assessing a patient with varicocele  
*Paul Sidhu (United Kingdom)*

15.00 Evaluating a patient with erectile dysfunction  
*Beniamino Corcioni (Italy)*

15.20 Evaluating patients with scrotal and penile traumas  
*Michele Bertolotto (Italy)*

15.40 Rule out renal artery stenosis  
*Fabrizio Calliada (Italy)*

**16.00 Q&A**

**16.10 Clinical cases**

*Beniamino Corcioni (Italy), Maria Franca Meloni (Italy)*

**16.40 Closing remarks**

*Orlando Catalano (Italy)*



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# EUROSON 2024

**NAPLES ITALY NOVEMBER 11**

## ADVANCED COURSE ON ULTRASONOLOGY: CHALLENGING CASES WITH THE EXPERTS

# SIUMB LYCEUM

**Scientific Directors: M. Bertolotto (Italy), G. Maconi (Italy)**

Lyceum Course aims to a higher educational level whose presentation will be scheduled on an interactive basis of clinical cases of predetermined areas.



MONDAY NOVEMBER 11 CALYPSO ROOM

## MONDAY NOVEMBER 11

8.30 Introduction  
*Michele Bertolotto (Italy), Giovanni Maconi (Italy)*

### UPDATE IN HEPATOLOGY

**Moderators: C. Serra (Italy), I. Sporea (Romania)**

8.45 Non-invasive diagnosis of a focal liver lesion: a diagnostic conundrum.  
LI-RADS in current practice  
*Aya Kamaya (United States), Fabio Piscaglia (Italy)*

9.15 From NAFLD to NASH and back From NAFLD to cirrhosis  
*Giovanna Ferraioli (Italy), Alina Popescu (Romania)*

9.45 Sonographic management of acute complicated cholecystitis.  
When simpler is better. Acute and threatening gallbladder conditions  
*Carla Serra (Italy), Luciano Tarantino (Italy)*

**10.15 Q&A**

**10.25 Break**

### UPDATE IN KIDNEY

**Moderators: M. Bertolotto (Italy), M. Radzina (Latvia)**

10.45 Cystic and solid focal renal lesions – potential and limitation of multiparametric US  
*Jean Michel Correas (France), Christoph F. Dietrich (Switzerland)*

11.25 Acute renal failure: beyond hydronephrosis  
*Antonio Granata (Italy), Ilaria Petrucci (Italy)*

11.45 Hematuria: what the US medical doctor has to seek  
*Irene Campo (Italy), Lorenzo Derchi (Italy)*

**12.15 Q&A**

**12.30 Lunch Break**



MONDAY NOVEMBER 11 CALYPSO ROOM

**UPDATE ON GASTROINTESTINAL TRACT AND PANCREAS**

**Moderators: A. Popescu (Romania), G. L. Rapaccini (Italy)**

14.00 An acute complication in quiescent IBD. When monitoring is an option  
Sonographic monitoring of acute and chronic gastrointestinal diseases  
*Giovanni Maconi (Italy), Kym Nylund (Norway)*

14.30 Multiforme appearance of pancreatitis complications  
The role of ultrasound acute pancreatitis complications  
*Mirko D'Onofrio (Italy), Christian Jenssen (Germany)*

**15.00 Q&A**

**UPDATE - SCROTUM AND OTHER**

**Moderators: L. Derchi (Italy), P. Pavlica (Italy)**

15.10 Acute scrotal pain: assessing testis vascularity at colour Doppler US is not enough  
*P. S. Sidhu (United Kingdom), Dirk André Clevert (Germany)*

15.40 Transplanted kidney: how MPUS can help in diagnosis  
*Francesco Maria Drudi (Italy), José Angel Jiménez Lasanta (Spain)*

**16.10 Q&A**

**16.20 Closing remarks**

*Giovanni Maconi (Italy)*





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# EUROSON 2024

NAPLES ITALY NOVEMBER 9

## ADVANCED COURSE ON PEDIATRIC ULTRASOUND



SATURDAY NOVEMBER 9 URANIA 1 ROOM

## SATURDAY NOVEMBER 9

### NEONATAL ULTRASOUND

Moderators: **A. Deganello (United Kingdom), G. Vallone (Italy)**

- 9.00 Lung ultrasound in Neonatal – an update  
*Francesco Raimondi (Italy)*
- 9.20 Head ultrasound  
*Alessandro Parodi (Italy)*
- 9.40 POCUS in emergencies  
*Francesco Raimondi (Italy)*
- 10.00 The advantages of point-of-care ultrasound (POCUS) in the outpatient setting of the family pediatrician  
*Danilo Buonsenso (Italy)*

#### 10.20 Q&A

#### 10.40 Break

### ABDOMEN ULTRASOUND IN PEDIATRICS

Moderators: **Z. Harkanyi (Hungary), A. Salim (Italy)**

- 11.00 Bowel ultrasound  
*Fortunata Civitelli (Italy)*
- 11.20 Role of the ultrasound in the pediatric fatty liver disease: where we were and where we are  
*Annamaria Deganello (United Kingdom)*
- 11.40 The cholestatic newborn between clinic and ultrasound  
*Fabiola Di Dato (Italy)*
- 12.00 Contrast-enhanced ultrasound of benign and malignant liver lesions in children  
*Zoltan Harkanyi (Hungary)*
- 12.20 Abdominal pediatric mass. The role of ultrasound  
*Sonia Tamasi (Italy)*

#### 12.40 Q&A

#### 12.50 Lunch Break



SATURDAY NOVEMBER 9 URANIA 1 ROOM

**PAEDIATRIC GENITO-URINARY ULTRASOUND**

**Moderators: A. Cina (Italy), M. Di Serafino (Italy)**

- 14.30 Ultrasound of acute pyelonephritis: an update  
*Beatrice Damasio (Italy)*
- 14.50 Contrast-enhanced ultrasound of the kidneys and adrenals in children  
*Annamaria Deganello (United Kingdom)*
- 15.10 Cystosonography in the diagnosis of vesicoureteral reflux,  
as well as proximal and mid-urethra pathologies  
*Giorgio Piaggio (Italy)*
- 15.30 Multiparametric Ultrasound for diagnosing testicular lesions:  
everything you need to know in daily clinical practice  
*Massimo Valentino (Italy)*

**15.50 Q&A**

**16.00 Break**

**ULTRASOUND OF MUSCULOSKELETAL SYSTEM AND SOFT TISSUES IN PAEDIATRIC PATIENTS**

**Moderators: C. Malattia (Italy), G. Vallone (Italy)**

- 16.20 Fundamental concepts of paediatric musculoskeletal ultrasound  
*Vito Chianca (Italy)*
- 16.50 Diagnostic errors in infant hip ultrasound  
*Elene Gotsiridze (Georgia)*
- 17.10 Role of the ultrasound in the pediatric spine  
*Iacopo Valente (Italy)*
- 17.30 Pediatric US in Rheumatology  
*Clara Malattia (Italy)*

**17.50 Q&A**

**18.00 Closing remarks**

*Gianfranco Vallone (Italy)*



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# EUROSON 2024

**NAPLES ITALY NOVEMBER 10**

## ADVANCED COURSE ON ENDOCRINOLOGY ULTRASOUND



SUNDAY NOVEMBER 10 **ULISSE ROOM**

## SUNDAY NOVEMBER 10

### THYROID

**Moderators: M. Secil (Turkey), S. Spiezia (Italy)**

- 8.30 Introduction  
*Vito Cantisani (Italy), Stefano Spiezia (Italy)*
- 8.45 Ultrasound of diffuse thyroid diseases with clinical introduction  
*Dana Stoian (Romania)*
- 9.05 Ultrasound of the thyroid nodule with clinical introduction  
*Christina Chammas (Brazil)*
- 9.25 Multiparametric US of thyroid nodule  
*Vito Cantisani (Italy)*
- 9.45 Cytological classification and genetical mutations of the thyroid nodule  
*Pasquale Pisapia (Italy)*
- 10.05 Follow up of the neoplastic patient: ultrasound and integrated imaging  
*Stefania Tamburrini (Italy)*
- 10.25 State of the art and future perspectives of thyroid ablation  
*Stefano Spiezia (Italy)*

**10.45 Q&A**

**11.00 Break**

### PARATHYROIDS

**Moderators: M. Bertolotto (Italy), G. Vidili (Italy)**

- 11.25 Clinical-metabolic introduction of primary and secondary hyperparathyroidism  
*Elisabetta Scarano (Italy)*
- 11.45 Research and identification of the parathyroids: ultrasound and integrated imaging  
*Sara Garberoglio (Italy)*

**12.10 Q&A**

**12.25 Lunch break**



SUNDAY NOVEMBER 10 **ULISSE ROOM**

### **PANCREAS & ADRENAL DISEASE**

**Moderators: G. Iannetti (Italy), R. Sirli (Romania)**

14.00 Endocrine tumors of the pancreas and MEN: clinical overview  
*Anton Giulio Faggiano (Italy)*

14.20 Endocrine tumors of the pancreas and MEN: ultrasound and integrated imaging  
*Mirko D'Onofrio (Italy)*

#### **14.45 Q&A**

15.00 Clinical-endocrinological framework of adrenal pathology  
*Dana Stoian (Romania)*

15.20 Multiparametric Ultrasound of adrenal pathology  
*Christoph F. Dietrich (Switzerland)*

#### **15.40 Q&A**

#### **15.50 Break**

### **OVARIES & TESTICLES**

**Moderators: M. Bertolotto (Italy), P. Sidhu (United Kingdom)**

16.10 Ovarian disease: from clinical to ultrasound evaluation  
*Wendaline Van Buren (United States)*

16.30 Endometriosis: from clinical to ultrasound evaluation  
*Wendaline Van Buren (United States)*

#### **16.50 Q&A**

17.00 Infertile patients: from clinical to ultrasound evaluation  
*Michele Bertolotto (Italy)*

17.20 Testicle masses: from clinical to ultrasound evaluation  
*Tim Yusuf (United Kingdom)*

#### **17.40 Q&A**

#### **17.50 Closing remarks**

*Vito Cantisani (Italy), Stefano Spiezia (Italy)*



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# EUROSON 2024

**NAPLES ITALY NOVEMBER 10**

## ADVANCED COURSE ON NEPHROLOGY ULTRASOUND



SUNDAY NOVEMBER 10 URANIA 1 ROOM

## SUNDAY NOVEMBER 10

### I SESSION

**Moderators:** F. Calliada (Italy), A. Kabaalioğlu (Turkey)

- 9.00 Introduction  
*Fabrizio Calliada (Italy), Adnan Kabaalioğlu (Turkey)*
- 9.15 Ultrasound investigation of the normal kidney: renal anatomy and technical optimization  
*Lorenzo Derchi (Italy)*
- 9.45 Color Doppler ultrasound and new Doppler technologies in the study of the renal vessels and their abnormalities  
*Fabrizio Calliada (Italy)*
- 10.15 Ultrasound in chronic renal disease  
*Adnan Kabaalioğlu (Turkey)*
- 10.45 Nephrolithiasis and obstructive nephropathy  
*José Angel Jiménez Lasanta (Spain)*

### 11.15 Break

### II SESSION

**Moderators:** J.M. Correas (France), O. Catalano (Italy)

- 11.35 Renal solid masses  
*Vito Cantisani (Italy)*
- 12.05 Renal cystic masses  
*Botz Balint (Hungary)*
- 12.35 The role of CEUS in renal disease: when and how  
*Jean Michel Correas (France)*
- 13.05 Elastography in renal disease  
*Richard Barr (United States)*

### 13.35 Lunch Break





SUNDAY NOVEMBER 10 URANIA 1 ROOM

### III SESSION

**Moderators: P. Pavlica (Italy), A. Granata (Italy)**

- 15.00 Indication and methodology of US-guided kidney biopsy  
*Antonio Granata (Italy)*
- 15.30 Ultrasound evaluation in dialysis patient  
*Ilaria Petrucci (Italy)*
- 16.00 How to study Arteriovenous fistula (AVF) for hemodialysis  
*Fulvio Fiorini (Italy)*
- 16.15 Ultrasound-guided positioning of central venous catheters (CVC) for hemodialysis  
*Rodolfo Lanocita (Italy)*
- 16.45 Secondary hyperparathyroidism and eco-color Doppler evaluation of the parathyroids  
*Ilaria Petrucci (Italy)*
- 17.15 PoCUS in Nephrology: a new tool for improving clinical skills  
*Michele Prencipe (Italy)*
- 17.45 Closing remarks**  
*Michele Bertolotto (Italy)*

# BASIC COURSES





SOCIETÀ ITALIANA DI ULTRASONOLOGIA  
IN MEDICINA E BIOLOGIA



35<sup>th</sup> CONGRESS OF THE EUROPEAN FEDERATION OF SOCIETIES  
FOR ULTRASOUND IN MEDICINE AND BIOLOGY

# EUROSON 2024

**NAPLES ITALY NOVEMBER 9|12**

## CORSO TEORICO DI FORMAZIONE IN ULTRASONOLOGIA

**Coordinatori: M.F. Meloni (Scuola di Milano), M. Pompili (Scuola di Roma)**



## SABATO 9 NOVEMBRE

- 8.30 Introduzione  
*G. Vallone (Scuola di Campobasso), M.F. Meloni (Scuola di Milano), M. Pompili (Scuola di Roma)*

### PRINCIPI INTRODUTTIVI DI ECOGRAFIA

**Moderatori: M.F. Meloni (Scuola di Milano), M. Pompili (Scuola di Roma)**

- 8.45 Fisica degli ultrasuoni: cenni di protezionistica ed apparecchiature  
*R. Stramare (Scuola di Padova)*
- 9.10 Ambiente, preparazione del paziente, metodologia di esame  
*D. Scanu (Scuola di Cagliari)*
- 9.35 Parametri di studio e loro regolazione *[inclusa parte video]*  
*N. Farella (Scuola di Napoli)*
- 10.00 Interpretazione delle immagini. Semeiotica ecografica  
*G. Vidili (Sassari)*

### 10.25 Intervallo

**10.50 Esercitazioni pratiche a piccoli gruppi**

**11.50**

### 13.00 Lunch Break

**Moderatori: E. Di Lembo (Scuola di Pescara), G. Vallone (Scuola di Campobasso)**

- 14.10 Artefatti ecografici  
*G. D'Anneo (Scuola di Catania)*
- 14.35 Introduzione alle tecniche Doppler  
Principali parametri di studio *[inclusa parte video]*  
*A.P. Assanti (Scuola di Napoli)*
- 15.05 **PILLOLA ECOGRAFICA**  
Nozioni di Ecocontrastografia ed Elastosonografia  
*G. Ferraioli (Scuola di Pavia)*

**15.30 Esercitazioni pratiche a piccoli gruppi**

**16.30**



DOMENICA 10 NOVEMBRE PLENARY GALATEA

## DOMENICA 10 NOVEMBRE

### ECOGRAFIA CLINICA DELL'ADDOME - pt.1

Moderatori: E. Accogli (Scuola di Bologna), C. Schiavone (Scuola di Chieti)

- 8.30 Tecnica di esame e anatomia: fegato, colecisti e vie biliari *[inclusa parte video]*  
A. Solinas (Scuola di Perugia)
- 9.00 Epatopatie diffuse ed ipertensione portale  
I. de Sio (Scuola di Napoli)
- 9.25 Lesioni focali benigne del fegato (incluse patologie infettive)  
M. Pompili (Scuola di Roma)
- 9.55 Patologie focali maligne del fegato  
T.V. Bartolotta (Scuola di Palermo)
- 10.25 **PILLOLA ECOGRAFICA**  
Ecografia Mammaria  
C. Caiazza (Scuola di Napoli)

### 10.40 Intervallo

### 11.10 Esercitazioni pratiche a piccoli gruppi

12.10

### 13.10 Lunch Break

Moderatori: P. D'Andrea (Pescara), G.L. Rapaccini (Scuola di Roma)

- 14.30 Principali quadri patologici della colecisti e delle vie biliari  
C. Schiavone (Scuola di Chieti)
- 15.05 Tecnica di esame e anatomia ecografica: milza e pancreas *[inclusa parte video]*  
M. Garcovich (Scuola di Roma)
- 15.30 Tecnica di esame, anatomia e cenni di patologia del tratto gastrointestinale e peritoneo *[inclusa parte video]*  
G. Maconi (Scuola di Milano)
- 16.00 Principali quadri patologici della milza  
M. Romano (Scuola di Catania)
- 16.25 Principali quadri patologici del pancreas  
M. D'Onofrio (Scuola di Verona)

### 16.50 Intervallo

### 17.15 Esercitazioni pratiche a piccoli gruppi

18.15



LUNEDI 11 NOVEMBRE PLENARY GALATEA

## LUNEDI 11 NOVEMBRE

### ECOGRAFIA CLINICA DELL'APPARATO URO-GENITALE

Moderatori: **B. Corcioni (Bologna)**, **M. Romano (Scuola di Catania)**

- 8.30 Tecnica di esame e anatomia: surrene, rene e via escrettrice superiore *[inclusa parte video]*  
*F. De Chiara (Scuola di Napoli)*
- 8.55 Patologie mediche del rene  
*A. Granata (Scuola di Catania)*
- 9.20 Patologie chirurgiche del rene e delle vie urinarie superiori  
*F. Fiorini (Scuola di Rovigo)*
- 9.45 Tecnica di esame per via sovrapubica, anatomia e cenni di patologia:  
vescica e prostata *[inclusa parte video]*  
*R. Lanocita (Milano)*
- 10.15 Tecnica di esame per via sovrapubica, anatomia e cenni di patologia:  
pelvi femminile *[inclusa parte video]*  
*F. Ianniello (Scuola di Napoli)*
- 10.45 Tecnica di esame e anatomia: scroto *[inclusa parte video]*  
*R. Lobianco (Scuola di Napoli)*

### 11.10 Intervallo

**11.40 Esercitazioni pratiche a piccoli gruppi**  
**12.40**

### 13.30 Lunch Break

**14.45 Esercitazioni pratiche a piccoli gruppi**  
**15.45**

### ECOGRAFIA CLINICA DEL COLLO

Moderatori: **C. Caiazzo (Scuola di Campobasso)**, **O. Catalano (Scuola di Napoli)**

- 16.45 Tecnica di esame e anatomia: tiroide, paratiroidi e ghiandole salivari  
*D. Pace (Scuola di Roma)*
- 17.10 Principali quadri patologici di tiroide, paratiroidi, ghiandole salivari  
*G. Antonelli (Scuola di Napoli)*
- 17.40 Linfonodi superficiali e profondi: aspetto normale e principali quadri patologici  
*O. Catalano (Scuola di Napoli)*
- 18.05 **PILLOLA ECOGRAFICA SPECIALISTICA**  
Approccio ai tessuti superficiali: muscoli, tendini, articolazioni, cute  
*G. Cocco (Lanciano, CH)*



MARTEDI 12 NOVEMBRE PLENARY GALATEA

## MARTEDI 12 NOVEMBRE

### ECOGRAFIA CLINICA DEL SISTEMA VASCOLARE SUPERFICIALE

Moderatori: A.P. Assanti (Scuola di Napoli), G. Iannetti (Scuola di Pescara)

- 8.30 Tecnica di esame, anatomia e cenni di patologia dei vasi sovraaortici *[inclusa parte video]*  
*R. Catalini (Scuola di Macerata)*
- 9.00 Tecnica di esame, anatomia e cenni di patologia dei vasi inferiori *[inclusa parte video]*  
*A. Santoliquido (Scuola di Roma)*
- 9.30 Tecnica di esame, anatomia e cenni di patologia: aorta e vena cava inferiore  
*[inclusa parte video]*  
*A. Fabbri (Scuola di Pisa)*
- 10.00 **PILLOLA ECOGRAFICA SPECIALISTICA**  
Approccio al paziente pediatrico  
*G. Vallone (Scuola di Napoli)*

### 10.15 Intervallo

### PRINCIPI DI ECOGRAFIA SPECIALISTICA

Moderatori: L. Tarantino (Scuola di Salerno), G. Vallone (Scuola di Campobasso)

- 10.40 Ecografia del cuore "eye-ball": tecnica d'esame e cenni di patologia  
*F. Soardo (Scuola di Torino)*
- 11.05 Approccio al torace: tecnica d'esame, anatomia e cenni di patologia *[inclusa parte video]*  
*M. Sperandeo (Scuola di S. Giovanni Rotondo, FG)*
- 11.35 Ecografia nelle urgenze traumatiche  
*M. Di Serafino (Scuola di Napoli)*
- 12.00 Ecografia nelle urgenze non traumatiche  
*S. Tamburrini (Scuola di Napoli)*
- 12.25 **PILLOLA ECOGRAFICA SPECIALISTICA**  
Introduzione all'ecografia interventistica  
*G. Francica (Scuola di Castelvoturno, CE)*

### 12.40 Lunch Break



MARTEDI 12 NOVEMBRE PLENARY GALATEA

**Moderatori: M.F. Meloni (Scuola di Milano), M. Pompili (Scuola di Roma)**

- 13.45 Refertazione  
*N. De Matthaeis (Scuola di Roma)*
- 14.10 Aspetti medico-legali ed assicurativi.  
L' Atto Medico Ecografico  
*G. Iannetti (Scuola di Pescara)*
- 14.35 Casistica ragionata: refertiamo insieme  
*M.F. Meloni (Scuola di Milano)*
- 15.00 Considerazioni finali  
*M.F. Meloni (Scuola di Milano), M. Pompili (Scuola di Roma)*

### 15.15 Termine del Corso

*Durante le prime tre giornate, sarà possibile, ed anzi vivamente raccomandato, frequentare le sessioni congressuali Euroson previste in Sala Galatea agli orari schedulati nel programma*

## DOCENTI ALLE ESERCITAZIONI

**Coordinatori: E. Accogli (Scuola di Bologna), N. De Matthaeis e P. Pacini (Scuola di Roma)**

- G. Antonelli (Scuola di Napoli)*  
*G. Bandini (Scuola di Firenze)*  
*L. Basile (Scuola di Napoli)*  
*G. Bernardi (Scuola di Roma)*  
*A. Boccatonda (Scuola di Bologna)*  
*A. Bray (Scuola di Lecce)*  
*M.C. Brunese (Scuola di Campobasso)*  
*M. Catalano (Scuola di Napoli)*  
*A. Della Vecchia (Scuola di Napoli)*  
*I. Giarretta (Scuola di Varese)*  
*G. Inglese (Scuola di Bari)*  
*A. Marra (Scuola di Foggia)*  
*R. Minelli (Scuola di Napoli)*  
*M. Niosi (Scuola di Napoli)*  
*F. Pizzolante (Scuola di Roma)*  
*U. Scognamiglio (Scuola di Napoli)*  
*L. Tartaglia (Scuola di Foggia)*  
*F. Trenta (Scuola di Roma)*  
*F. Verrengia (Scuola di Campobasso)*  
*L.M. Vitale (Scuola di Napoli)*





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FOR ULTRASOUND IN MEDICINE AND BIOLOGY

# EUROSON 2024

NAPLES ITALY NOVEMBER 9|11

## CORSO TEORICO DI FORMAZIONE IN ULTRASONOLOGIA VETERINARIA

Coordinatori: G. Bertolini (Scuola di Padova), A. Fruganti (Scuola di Camerino),  
M. Russo (Scuola di Napoli)

EDUCAZIONE CONTINUA IN MEDICINA

- Evento valorizzato per la formazione dei medici veterinari nel sistema SPC



SABATO 9 NOVEMBRE URANIA 2 ROOM

## SABATO 9 NOVEMBRE

### 1 SESSIONE

- 9.00 Presentazione del Corso  
*G. Bertolini (Scuola di Padova), A. Fruganti (Scuola di Camerino, MC),  
M. Russo (Scuola di Napoli), C. Serra (Scuola di Bologna)*
- 9.30 Principi fisici dell'ecografia e formazione dell'immagine ecografica. Semantica e semeiotica.  
Sonde ecografiche e settaggio dell'apparecchiatura  
*I. Mele (Scuola di Bari)*

### 10.30 Intervallo

- 11.00 Nozioni di ecografia Doppler color e spettrale e loro settaggio  
*A. Volta (Scuola di Parma)*
- 11.40 Artefatti in ultrasonologia  
*P. Paradies (Scuola di Bari)*
- 12.30 Tecnica di indagine ed anatomia ecografica dell'addome (cavità peritoneale,  
retroperitoneale e vasi principali)  
*L. Angeloni (Scuola di Padova)*

### 13.15 Sospensione della Sessione

- 14.15 Esame ecografico dell'apparato gastroenterico  
*P. Bargellini (Scuola di Terni)*
- 15.00 Esame ecografico del fegato, pancreas e vie biliari (reperti normali e principali alterazioni)  
*S. Fanfoni (Scuola di Arezzo)*

### 16.30 Intervallo

- 17.00 Esame ecografico della milza e linfocentri addominali  
*J. Bertaccini (Scuola di Padova)*
- 17.45 Esame ecografico dei reni e vie urinarie  
*G. Rubini (Scuola di Bologna)*

### 18.30 Termine delle Sessioni



DOMENICA 10 NOVEMBRE URANIA 2 ROOM

## DOMENICA 10 NOVEMBRE

### II SESSIONE

- 9.00 Esame ecografico delle ghiandole surrenali  
*M. Garatti (Salò, BS)*
- 9.45 Esame ecografico dell'apparato genitale femminile  
*M. Russo (Scuola di Napoli)*

### 10.30 Intervallo

- 11.00 Esame ecografico dell'apparato genitale maschile  
*M. Russo (Scuola di Napoli)*
- 11.45 Cenni di ecocardiografia  
*A. Fruganti (Scuola di Camerino, MC)*

### 12.45 Sospensione delle Sessioni

- 14.00 FAST, T-FAST e cenni di ecografia interventistica  
*P. Fonti (Scuola di Roma), M. Garatti (Salò, BS)*
- 15.00 La refertazione ecografica  
*P. Fonti (Scuola di Roma)*

### 16.00 Intervallo

### 16.20 Question Time e casistica ragionata

### 17.00 Termine delle Sessioni



LUNEDI 11 NOVEMBRE URANIA 2 ROOM

## LUNEDI 11 NOVEMBRE

### SESSIONE DI APPROFONDIMENTO CONTRAST-ENHANCED ULTRASOUND (CEUS) IN MEDICINA VETERINARIA

9.00 Panorama attuale dell' Ecocontrastografia in Medicina Veterinaria:  
16 anni di esperienze diagnostiche  
*P. Fonti (Roma)*

9.45 Il mezzo di contrasto nelle lesioni focali epatiche  
*P. Bargellini (Terni)*

#### 10.30 Intervallo

11.00 Trattamento ablativo neoplasie epatiche: quale metodica utilizzare e valutazione della risposta al trattamento in medicina veterinaria  
*G. Rubini (Bologna)*

11.45 La CEUS e l'apparato riproduttore maschile e femminile in medicina veterinaria  
*L. P. Nogueira Aires (Brazil), M. Russo (Napoli)*

#### 12.30 Question Time

#### 13.00 Termine del Corso



**ABSIDE BEVERELLO HALL SONOCAVE AREA**

TIME	ID N.	TITLE	FACULTY
<b>SATURDAY NOVEMBER 9</b>			
10.00-11.00	SONOCAVE 1	STUDY OF ABDOMINAL VESSELS	Leslie Scoult, Giulia Bandini
12.00-13.00	SONOCAVE 2	THE MAGIC OF VESSELS: ECD ASSESSMENT	Roberto Catalini, Dirk Clevert
14.30-15.30	SONOCAVE 3	DISCOVERING THE NECK: the fundamentals in normal and abnormal conditions	Maija Radzina, Mustafa Secil, Stefano Spiezia
17.00-18.00	SONOCAVE 4	LIVER SEGMENTATION	Alina Popescu, Carla Serra, Horia Stefanescu
<b>SUNDAY NOVEMBER 10</b>			
9.00-10.00	SONOCAVE 5	THYROID ULTRASOUND ASSESSMENT: first routine experience with a novel onboard 3D thyroid imaging and reporting solution	Julian Kuenzel, Renè Fischer
10.30-11.30	SONOCAVE 6	DISCOVERING THE KIDNEY: Normal and abnormal features of the kidney using B Mode and color modes	Jean Michel Correas, Salvatore Lanocita
12.00-13.00	SONOCAVE 7	STANDARD SCANS OF SHOULDER AND HEEP	Luca Sconfienza, Roberto Stramare
14.30-15.30	SONOCAVE 8	GASTRO-INTESTINAL TRACT EVALUATION	Giovanni Maconi, Kim Nylund, Esterita Accogli
17.30-18.30	SONOCAVE 9	DISTAL UPPER EXTREMITIES (ELBOW, WRIST AND HAND)	Carlo Martinoli, Marco Di Serafino
<b>MONDAY NOVEMBER 11</b>			
10.00-11.00	SONOCAVE 10	DISTAL LOWER EXTREMITIES (KNEE, ANKLE AND FOOT)	Daniela Fodor, Ingrid Moller Parera,
11.30-12.30	SONOCAVE 11	ULTRASOUND ASSESSMENT OF THE LUNG	Marco Sperandeo, Andrea Boccattonda

THANKS TO THE SUPPORT OF:





## PROGRAMME OF LUNCH SATELLITE SYMPOSIA

PERSEIDE ROOM main floor	AGAVE ROOM main floor	CALYPSO ROOM main floor	DIONE ROOM main floor	ELETTRA ROOM main floor	ULISSE ROOM 2nd Floor
<b>SATURDAY NOVEMBER 9</b>					
<p><b>SAMSUNG</b> 13.00-14.00</p> <p>CUTTING EDGE ULTRASOUND APPLICATIONS: LIVER ASSESSMENT and AI IN BREAST CANCER</p> <p><b>Chair:</b> C. Dietrich (Berne, SWI)</p> <p><b>Speakers:</b> P. Sidhu, A. Lim (London, UK)</p>	<p><b>CANON</b> 12.45-13.45</p> <p>HIGH-RESOLUTION ULTRASOUND OF THE ANKLE AND MIDFOOT LIGAMENTS</p> <p><b>Speaker:</b> Carlo Martinoli (Genova, IT)</p>	<p><b>VINNO TECHNOLOGY</b> 13.15-14.15</p> <p>HIGH PERFORMANCE ULSTECHNIQUES IN THE DETECTION AND CHARACTERIZATION OF FOCAL LIVER LESIONS</p> <p><b>Speakers:</b> L. Tarantino, S. Sellitto (Salerno, IT)</p>	<p><b>PHILIPS</b> 13.15-14.15</p> <p>LATEST INNOVATIONS AND ADVANCED CAPABILITIES IN US: FROM ROUTINE IMAGING TO COMPLEX PROCEDURES</p> <p><b>Speakers:</b> M. Fraquelli (Milan), R. Lanocita (Milan), C. Martinoli (Genoa)</p>		<p><b>SIEMENS</b> 13.00-14.00</p> <p>UDFF: INNOVATIVE TOOL FOR LIVER FAT QUANTIFICATION ADULTS &amp; PEDIATRICS</p> <p><b>Speakers:</b> A. Deganello (London, UK) R. De Robertis (Verona, IT)</p>
<b>SUNDAY NOVEMBER 10</b>					
<p><b>ESAOTE</b> 13.00-14.00</p> <p>SHAPING THE PHYSICIAN OF TOMORROW THROUGH AI AND MULTIPARAMETRIC US IMAGING</p> <p><b>Chair:</b> F. Piscaglia (Bologna, IT)</p> <p><b>Speakers:</b> G. Ferraioli (Pavia, IT), F. Sardanelli &amp; I. Castiglioni (Monza Brianza, IT)</p>	<p><b>MINDRAY</b> 13.15-14.15</p> <p>A20 REVEALS THE FUTURE OF ULTRASOUND</p> <p><b>Chair:</b> V. Cantisani (IT)</p> <p><b>Speakers:</b> A. Goddi (Varese, IT) A. Popescu (Timisoara, RO) D. A. Clevert (Munich, DE)</p>		<p><b>BRACCO-SAMSUNG</b> 13.30-14.30</p> <p>MODERN CEUS ASSESSMENT WITH ADVANCED US TECHNOLOGIES</p> <p><b>Chair:</b> C. Serra (Bologna, IT)</p> <p><b>Speakers:</b> T.V. Bartolotta (Palermo, IT) M. D'Onofrio (Verona, IT)</p>		
<b>MONDAY NOVEMBER 11</b>					
	<p><b>GE HEALTHCARE</b> 13.15-14.15</p> <p>LATEST US SOLUTIONS ADDRESSING CLINICAL CHALLENGES IN LIVER, MUSCULOSKELETAL AND BREAST CARE</p> <p><b>Chair:</b> T.V. Bartolotta (Palermo, IT)</p> <p><b>Speakers:</b> A. Popescu (Timisoara, RO) M. Erkin Aribal (Istanbul, TR) A. Bazzocchi (Bologna, IT)</p>		<p><b>ESAOTE</b> 13.20-14.20</p> <p>THE INCREASING IMPORTANCE OF HIGH FREQUENCY PROBES IN MSK DIAGNOSIS AND FOLLOW UP</p> <p><b>Chair:</b> V. Cantisani (Rome, IT)</p> <p><b>Speakers:</b> L.M. Sconfienza (Milan, IT), N. Clais (Nice, FR)</p>	<p><b>SONOSCAPE</b> 13.20-14.20</p> <p>CONTRAST ENHANCED ULTRASOUND IN LIVER LESIONS</p> <p><b>Chair:</b> Majia Radzina (LV) <b>Speaker:</b> D. A. Clevert (Munich, DE)</p> <p>MULTI-PARAMETRIC APPROACH IN THYROID NODULE ASSESSMENT</p> <p><b>Speaker:</b> P. Huang (Hangzhou, CN)</p> <p>DIAGNOSTIC VALUE OF ULTRASOUND IMAGES</p> <p><b>Speaker:</b> Christoph F. Dietrich (Berne, SWI)</p>	



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**EUROSON 2024**

**NAPLES ITALY NOVEMBER 9|11**

# GENERAL INFORMATION



### ABOUT THE VENUE

EUROSON 2024 will be held in the Congress Centre of Maritime Station, one of Naples' most key-convention places.

The monumental building of Stazione Marittima was built in 1936. Recently its interior spaces were renovated and reorganized, while respecting the charm of its original architectural lines of 1930s and offering all the necessary services for congress attendees at the same time. The entire location can accommodate up to 1500 people simultaneously.

The centre lies on the side facing onto Piazza Municipio where the sea sinuously laps against its city. In the middle of the Bay, in the heart of Naples. Close to: city hotels, restaurants, shopping streets, museums, theatres...

- **100 m from Molo Beverello - the terminal for ferryboats and hydrofoils to the islands of Capri and Ischia**
- **100 m from subway to downtown and surroundings**
- **3 km from the railway station**
- **4 km from the motorways**
- **7 km from the airport**

Stazione Marittima has also a wide internal PARKING with more than 200 car places, and a taxi station just outside. Bike and scooter rental will be available as well.

### EACCME CREDITS

Each Euroson attendee will obtain EACCME credits for the event he has regularly enrolled. Hereafter, please note the number of credits assigned to each event:

CONGRESS	<b>18</b>
PEDIATRICS	<b>6,5</b>
NEPHROLOGY	<b>6,5</b>
ENDOCRINO	<b>6,5</b>
CEUS	<b>4</b>
MSK	<b>9</b>
VASCULAR	<b>10</b>
GYMNASIUM	<b>12</b>
LYCEUM	<b>5,5</b>
BASIC COURSE	<b>6</b>

After the end of the Congress, those who have asked for credits at registering will receive an official UEMS certificate by the Organizing Secretariat. Afterwards, one will have to ask directly credits at the following link: <https://www.myebr.org/>





### SCIENTIFIC INFORMATION

#### EACCME CREDITS

Each Euroson attendee will obtain EACCME credits for each event she/he has regularly registered to. Please, take note of the number of credits assigned for each event:

CONGRESS	18
PEDIATRICS	6,5
NEPHROLOGY	6,5
ENDOCRINOLOGY	6,5
EUROSON SCHOOL CEUS	4
MUSCULOSKELETAL	9
VASCULAR	10
GYMNASIUM	12
LYCEUM	5,5
BASIC COURSE	6

After the end of the Congress, those who have asked for credits at registering will receive an official UEMS certificate by the Organizing Secretariat. Afterwards, one will have to ask directly credits at the following link: <https://www.myebr.org/>

#### E-POSTERS

All abstracts accepted as Posters are listed in the Abstract Book, published both in MYSIUMB app and on the Euroson 2024 website.

They can be also visualized at the Poster Session located in the Retro Galatea area of the Congress venue.

#### SONOCAVES

SonoCaves provide a unique opportunity to attend various Hands-on sessions with high-standard ultrasound devices guided by the best Experts in Ultrasound.

#### LUNCH SYMPOSIA

Lunch time has never been so exciting: the best Key Opinion Leaders and the Industry will join to deal with the last novelties in Ultrasound. Take a look at the Lunch Symposia programme: if you have not registered in advance, **you can try to queue outside the room 10 minutes before the Symposium starts** in order to get a seat remained vacant to find an available seat. A tasty lunch box is also included.



### USEFUL INFORMATION

#### About Naples

Naples is the capital of Campania region and is located in the bay of the same name, next to Vesuvius volcano, offering spectacular views as far as the islands of Capri, Ischia and Procida.

Naples is an overwhelming city with a unique magic.

The historic center has been recognized by UNESCO as a World Heritage Site for its monuments, which bear witness to the succession of Mediterranean and European cultures.

From cooking to a thousand amusements and stimuli of all kinds, it will be impossible to get bored.

**What to do in Naples** <https://www.visitnaples.eu/en>

**VIAGGI LA PAMPA** is the Official Partner of Euroson 2024 concerning all travel needs, transfer services and guided tours. Upon presentation of the congress badge, attendees will benefit of a special discount of special discounts for your favourite guided tours in Naples and its wonderful surroundings. For any further information, please refer to: **+39 0823 1872261 - info@viaggilapampa.it.**

#### GALA DINNER

Date: **10.11.2024**

Time: **20:30**

Location: **Royal Continental Hotel**

Address: **38 Partenope Street, Naples**

Dress code: **Smart elegant**

**For those who have registered to the Gala Dinner:** Royal Continental Hotel is one of the most beautiful locations overlooking the Gulf of Naples. The Royal Continental lays on the seafront in Naples. It will be easy to get lost between the sea and the symbols of the city: in front of the Hotel, the legendary Castel dell'Ovo and the Borgo Marinari, a few minutes' walk away Piazza del Plebiscito and the Maschio Angioino. Welcome to join us!



### CONTACTS

For any necessity please visit <https://eventi.siumb.it/euroson2024/>

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@siumbonline

### Congress Secretariat (for Attendees' support)

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+39 06 32110740

### Congress Secretariat (for Speakers' and Sponsors' support)

euroson2024@siumb.it

+39 06 3218257

### Banking information

**FONDAZIONE SIUMB** Via Arbia 15, 00199, Rome, Italy

**BANCA SELLA Ag. 13** Via dei Gracchi 142/144, Rome, Italy

**SWIFT code:** SELBIT2BXXX

**Bank account:** IT33P0326803213052521672960

**Method of Payment:** BANK TRANSFER



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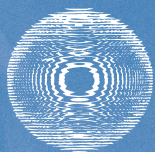


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