



SOCIETÀ ITALIANA DI ULTRASONOLOGIA
IN MEDICINA E BIOLOGIA



35th CONGRESS OF THE EUROPEAN FEDERATION OF SOCIETIES
FOR ULTRASOUND IN MEDICINE AND BIOLOGY

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. García (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.*^[1], Dimuzio P.^[1], Farber J.^[1], Wessner C.^[1], Machado P.^[1], O'Kane P.^[1], Lyshchik A.^[1], Forsberg F.^[1]^[1]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.*^[1], Pan W.^[1], Liu P.^[1], Lin S.^[1], Li X.^[1], Ouyang Y.^[1]^[1]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.*^[1], Sun J.^[1], Guo K.^[1]^[1]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.*^[1], Audenet F.^[2], Verkarre V.^[2], Corr  as J.^[1], H  l  non O.^[1], Bodard S.^[1]^[1]Necker Hospital ~ Paris ~ France, ^[2]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.^[1], Raponi F.*^[1], Cantisani V.^[1], Barr R.G.^[2]^[1]Department Of Radiological Sciences, Oncology And Pathology, Policlinico Umberto I, Sapienza University Of Rome. ~ Rome ~ Italy, ^[2]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.*^[1], Chen Y.^[1], Guan W.^[1]^[1]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.*^[2], Mcdermott A.^[1], S  gaard S.B.^[1], Kjer H.M.^[3], Taghavi I.^[4], Nielsen M.B.^[2], Jensen J.A.^[4], S  rensen C.M.^[1]^[1]Department Of Biomedical Sciences, University Of Copenhagen ~ Copenhagen ~ Denmark, ^[2]Department Of Diagnostic Radiology, Rigshospitalet ~ Copenhagen ~ Denmark, ^[3]Department Of Applied Mathematics And Computer Science, Technical University Of Denmark ~ Lyngby ~ Denmark, ^[4]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.^[1], Sugi M.^[1], Patel M.*^[1]

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

^[1]Thomas Jefferson University ~ Philadelphia ~ United States Of America, ^[2]Haukeland University Hospital ~ Bergen ~ Norway, ^[3]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.*^[1], Piscaglia F.^[2], Wilson S.R.^[3], Medellin A.^[3], Rodgers S.K.^[4], Sidhu P.S.^[5], Kamaya A.^[6], Fetzer D.^[7], Planz V.^[8], Berzigotti A.^[9], Xiao T.S.^[10], Kuon Yeng Escalante C.^[10], Wessner C.E.^[10], Bradigan K.^[10], Eisenbrey J.R.^[10], Forsberg F.^[10], Lyschik A.^[10]

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

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

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

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

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

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

Huang J.*^[1], Chen M.^[1]

^[1]Sun Yat-Sen University Cancer Center ~ Guangzhou ~ China

ULTRASOUND-TRIGGERED NANOGEL BOOST CHEMOTHERAPY AND IMMUNOMODULATION IN COLORECTAL CANCER

Cui R.*^[1], Zhou J.^[1], Liu G.^[1]

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

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

^[1]Gastroenterology And Digestive Endoscopy ~ Forli - Cesena Hospitals, Ausl Romagna ~ Italy, ^[2]Alma Mater Studiorum Università di Bologna, Italy ~ Bologna ~ Italy, ^[3]Digestive Endoscopy Unit San Giovanni di Dio e Ruggi D'aragona University Hospital, Gaetano Fucito Location ~ Mercato San Severino (Salerno) ~ Italy, ^[4]Interventional, Diagnostic And Therapeutic Ultrasound Unit, Irccs, Azienda Ospedaliero-Universitaria di Bologna ~ Bologna ~ Italy



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

Puiu T.*^[1], Ioanitu E.S.^[1], Grasu M.^[2], Iliescu E.L.^[1]

^[1]Carol Davila University Of Medicine And Pharmacy; Internal Medicine Department, Fundeni Clinical Institute ~ Bucharest ~ Romania, ^[2]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. Ioanitu (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

SATURDAY NOVEMBER 9 **ULISSE ROOM****11.45 REFRESHER COURSE****Role of US in Dermatology and Aesthetics Surgery****Moderators: C. Caiazza (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.*^[1], La Bella S.^[1], Di Donato G.^[1], Colamarino S.^[1], Orlandi G.^[1], Quarta M.T.^[1], Rinaldi M.^[2], Mainieri F.^[1], Lauriola F.^[1], Silvestrini L.^[1], Ciarelli F.^[1], Osmelli J.^[1], Girlando V.^[1], Persico A.^[3], Chiarelli F.^[1], Breda L.^[1], Iannetti G.^[4], Di Renzo D.^[3], Attanasi M.^[1]

^[1]Paediatric Department, University Of Chieti "g. D'annunzio" ~ Chieti ~ Italy, ^[2]Paediatric Department, Buckinghamshire Healthcare Nhs Trust, Aylesbury-Thames Valley Deanery ~ Oxford ~ United Kingdom, ^[3]Pediatric Surgery Unit, "spirito Santo" Hospital Of Pescara ~ Pescara ~ Italy, ^[4]Uosd Internistic Ultrasound, "spirito Santo" Hospital Of Pescara ~ Pescara ~ Italy

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

Gentile C.*^[3], Persico A.^[1], Lauriti G.^[2], Chiarelli F.^[3], Lisi G.^[2], Di Renzo D.^[1]

^[1]Pediatric Ultrasound Service Of Pediatric Surgery ~ Pescara ~ Italy, ^[2]Pediatric Surgery - "g. D'Annunzio" University ~ Chieti-Pescara ~ Italy, ^[3]Department Of Pediatrics - "g. D'Annunzio" University ~ Chieti-Pescara ~ Italy

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

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

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

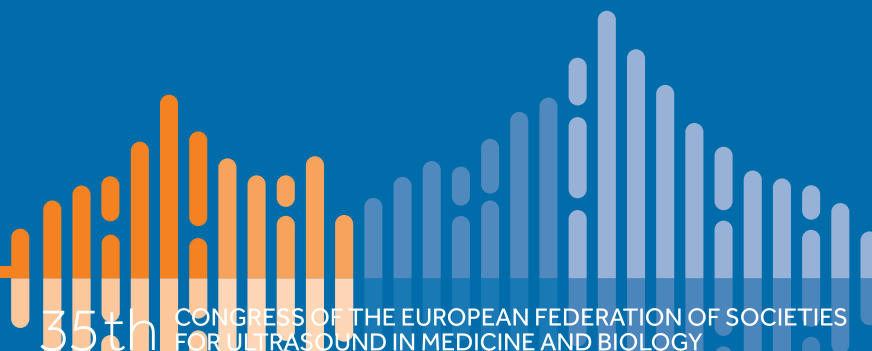
THE ROLE OF CEUS IN SUPPORTING PEDIATRIC PERITONEAL DIALYSIS MANAGEMENT

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

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



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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. Sirlì (Romania)

11.40 SCIENTIFIC SESSION: MUSCULOSKELETAL SYSTEM – BREAST

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

**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.^[1], Cheng L.*^[2]^[1]Affiliated Hospital Of Yangzhou University ~ Yangzhou, Jiangsu Province ~ China, ^[2]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.*^[1], Lu Y.^[2], Pei X.^[1]^[1]Sun Yat-Sen University Cancer Center ~ Guangzhou ~ China, ^[2]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.*^[1], Pei X.^[1]^[1]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.*^[1], Dolcetti V.^[1], Solito C.^[1], Di Bella C.^[1], Del Gaudio G.^[1], Raponi F.^[1], Pacini P.^[1], Loconte G.^[1], Catalano C.^[1], Cantisani V.^[1]^[1]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.^[1], Galletti S.^[2], Pederiva D.^[1], Stella S.M.^[3], Tedeschi R.^[1], Miceli M.^[1], Faldini C.^[1], Donati D.*^[4]^[1]Istituto Ortopedico Rizzoli ~ Bologna ~ Italy, ^[2]Scuola Siumb Msk ~ Bologna ~ Italy, ^[3]Scuola Siumb Msk ~ Pisa ~ Italy, ^[4]Policlinico Universitario ~ Modena ~ Italy**FIBRO-ADHESIVE BURSTITIS: A NEW ULTRASOUND SIGN IN PATIENTS WITH ADHESIVE CAPSULITIS**Vita F.*^[1], Gualtierotti R.^[2], Miceli M.^[1], Faldini C.^[1], Origlio F.^[1], Galletti S.^[3], Stella S.M.^[4], Cavallo M.^[1], Tedeschi R.^[1], Donati D.^[5]^[1]Istituto Ortopedico Rizzoli ~ Bologna ~ Italy, ^[2]Policlinico di Milano ~ Milano ~ Italy, ^[3]Scuola Siumb Msk ~ Bologna ~ Italy, ^[4]Scuola Siumb Msk ~ Pisa ~ Italy, ^[5]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**



SUNDAY NOVEMBER 10 PERSEIDE ROOM

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-ANALYSISBoccatonda A.*^[1], D'Ardes D.^[2], Schiavone C.^[2], Piscaglia F.^[1], Serra C.^[1]^[1]Alma Mater Studiorum Università di Bologna ~ Bologna ~ Italy, ^[2]G. D'Annunzio University ~ Chieti ~ Italy**VALUE OF CONTRAST-ENHANCED ULTRASOUND IN MUMMIFIED THYROID NODULES**Chengcheng N.*^[1]^[1]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.*^[1]^[1]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.*^[1], Ferrazzano P.^[1], Di Martino N.^[1], Negro R.^[2], Deandrea M.^[3], Maiorino M.I.^[1], Caruso P.^[1], Di Nuzzo M.^[1], Longo M.^[1], Iorio S.^[4], Docimo G.^[1], Papi G.^[5], Trimboli P.^[6], Esposito K.^[1], Bellastella G.^[1]^[1]University Of Campania L. Vanvitelli ~ Naples ~ Italy, ^[2]Ospedale Vito Fazzi ~ Lecce ~ Italy, ^[3]Ordine Mauriziano Hospital ~ Torino ~ Italy, ^[4]Endocrinology Service ~ Naples ~ Italy, ^[5]Azienda Usl Modena ~ Modena ~ Italy, ^[6]Ente Ospedaliero Cantonale ~ Lugano ~ Switzerland**RISK FACTORS AND CAUSES OF RECURRENT LARYNGEAL NERVE INJURY FROM THERMAL ABLATION OF HYPERPARATHYROIDISM**Qiu Y.^[1], Zhang D.^[2], Wu S.*^[1]^[1]Shengli Clinical Medical College Of Fujian Medical University, Department Of Ultrasonography, Fujian Provincial Hospital ~ Fuzhou ~ China, ^[2]Fujian Medical University Union Hospital ~ Fuzhou ~ China**DETECTION OF HUMAN PAPILLOMA-POSITIVE UNKNOWN PRIMARY CANCERS WITH TRANSORAL ULTRASOUND DURING PANENDOSCOPY**Garset-zamani M.*^[1], Lomholt A.^[1], Charabi B.^[1], Norling R.^[2], Dejanovic D.^[3], Hall J.^[3], Makouei F.^[1], Agander T.^[4], Ersbøll A.^[5], Von Buchwald C.^[1], Todsén T.^[1]^[1]Department Of Otorhinolaryngology, Head And Neck Surgery And Audiology, Copenhagen University Hospital – Rigshospitalet ~ Copenhagen ~ Denmark, ^[2]Department Of Radiology, Copenhagen University Hospital – Rigshospitalet ~ Copenhagen ~ Denmark, ^[3]Department Of Nuclear Medicine And Physiology, Copenhagen University Hospital – Rigshospitalet ~ Copenhagen ~ Denmark, ^[4]Department Of Pathology, Copenhagen University Hospital – Rigshospitalet ~ Copenhagen ~ Denmark, ^[5]National Institute Of Public Health, University Of Southern Denmark ~ Copenhagen ~ Denmark



SUNDAY NOVEMBER 10 PERSEIDE ROOM

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

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

^[1]Department Of Advanced Medical And Surgical Sciences, University Of Campania "luigi Vanvitelli," ~ Naples ~ Italy, ^[2]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.*^[1], Dahl Frehr T.^[2], Klitmøller Agander T.^[3], Lelkaitis G.^[3], Kaltoft M.^[1], Sebelik M.^[4], Orloff L.A.^[5], Todsén T.^[1]

^[1]Department Of Otorhinolaryngology, Head And Neck Surgery & Audiology, Rigshospitalet ~ Copenhagen ~ Denmark, ^[2]Department Of Applied Mathematics And Computer Science, Technical University Of Denmark ~ Kongens Lyngby ~ Denmark, ^[3]Department Of Pathology, Rigshospitalet ~ Copenhagen ~ Denmark, ^[4]Department Of Otorhinolaryngology-Head And Neck Surgery, Emory University ~ Atlanta ~ United States Of America, ^[5]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 ADE-NOMYOSIS: A PROSPECTIVE STUDY

Huang Y.*^[1]

^[1]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.^[1], Sugi M.^[1], Young S.^[1], Morgan T.^[1], Patel M.*^[1]

^[1]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.^[1], Zhang D.*^[2], Wu S.^[3], Guisheng D.^[3]

^[1]Fujian Medical University Union Hospital, Fujian Provincial Hospital ~ China ~ China, ^[2]Fujian Medical University Union Hospital ~ Fuzhou ~ China, ^[3]Fujian Provincial Hospital ~ Fuzhou ~ China



SOCIETÀ ITALIANA DI ULTRASONOLOGIA
IN MEDICINA E BIOLOGIA



35th 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.*^[1], Flagiello V.^[1], De Vincentis A.^[1], Terracciani F.^[1], Galati G.^[1], Falcomatà A.^[1], Picardi A.^[1], Vespasiani- Gentilucci U.^[1]

^[1] *Fondazione Policlinico Campus Biomedico ~ Rome ~ Italy*

16.15 Steatotic liver disease (SLD) in the adult population: quantitative ultrasound compared to magnetic resonance

Maglia G.*^[1], Solito C.^[1], Di Bella C.^[1], Renda M.^[1], Pacini P.^[1], Catalano C.^[1], Cantisani V.^[1]

^[1] *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. Brkljacic (Croatia), M. Pompili (Italy)



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

Weimer J.*^[1], Ruppert J.^[2], Kloeckner R.^[3], Weinmann-menke J.^[4], Lorenz L.^[5], Künzel J.^[6], Weimer A.^[7]
^[1]Universitätsmedizin Mainz ~ Mainz ~ Germany, ^[2]Department Of Medicine, Justus Liebig University Giessen ~ Giessen ~ Germany, ^[3]8 Institute Of Interventional Radiology, University Hospital Schleswig-Holstein - Campus Lübeck ~ Lübeck ~ Germany, ^[4]Department Of Medicine, University Medical Center Of The Johannes Gutenberg University Mainz ~ Mainz ~ Germany, ^[5]Department Of Radiation Oncology And Radiotherapy, University Medical Center Of The Johannes Gutenberg University Mainz ~ Mainz ~ Germany, ^[6]Department Of Otorhinolaryngology, Head And Neck Surgery, University Hospital Regensburg ~ Regensburg ~ Germany, ^[7]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.*^[1], Machado P.^[1], Winslow A.^[1], Liu J.^[1], Narayanan R.^[1], Ezeonu T.^[1], Kepler C.^[1], Hickok N.^[1], Forsberg F.^[1]
^[1]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.*^[1], Vu T.^[1], Machado P.^[1], Dajti E.^[2], Mohammed A.^[1], Berzigotti A.^[2], Bosch J.^[2], Soulen M.^[3], Schultz S.^[3], Forsberg F.^[1]
^[1]Thomas Jefferson University ~ Philadelphia ~ United States Of America, ^[2]Department Of Visceral Surgery And Medicine, Bern University Hospital ~ Bern ~ Switzerland, ^[3]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.*^[1], Emiliani N.^[2], Bortolani B.^[2], Cerenelli L.^[2], Massarenti G.^[3], Masi L.^[3], Agostinelli D.^[3], Venturoli N.^[3], Marcelli E.^[2], Serra C.^[3]
^[1]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, ^[2]Edimes Lab – Bioengineering Laboratory, Department Of Medical And Surgical Sciences-Dimec, University Of Bologna, Italy ~ Bologna ~ Italy, ^[3]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.^[1], Brighenti A.^[1], Bakken S.^[1], Ferrario L.^[2], Schettini F.^[2], Foglia E.^[2], Domanico A.^[3], Accogli E.^[3], Serra C.*^[1]
^[1]Bologna University ~ Bologna ~ Italy, ^[2]Liuc-Università Carlo Cattaneo ~ Castellanza (Va) ~ Italy, ^[3]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 PRACTICEIacob M.*^[1]

^[1]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 PROCESSXie X.*^[1], Huang G.^[1], Zhang X.^[1], Liu J.^[1], Lin M.^[1], Xu M.^[1]

^[1]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 GRAFTSHu Q.*^[1], Zhang J.^[2]

^[1]Department Of Ultrasound, People'S Hospital Of Guangxi Zhuang Autonomous Region ~ Nanning ~ China, ^[2]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 STUDYXu M.*^[1], Jiang T.^[1]

^[1]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 CHINALi X.*^[1], Ta J.^[1]

^[1]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 FIBROSISPiagnani A.^[1], Corti F.^[1], Lanfranchi C.^[1], Colombo C.^[1], Fraquelli M.*^[1]

^[1]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.*^[1], Zhang S.^[1], Yu H.^[1], Zhang J.^[2]

^[1]Tianjin University School Of Medicine ~ Tianjin ~ China, ^[2]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.^[1], Dongyue Wen^[1], Peng Lin^[1], Jinshu Pang^[1], Hong Yang^[1]

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.*^[1], Wen D.^[1], Chen J.^[1], Tang Z.^[1], Pang J.^[1], Qin Q.^[1], Zhang L.^[1], He Y.^[1], Yang H.^[1]

^[1]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.*^[1], Yang H.^[2], Chen Y.^[1], Wang Y.^[1], Wang R.^[2], Hu J.^[2], Zhang X.^[1]

^[1]The Third Affiliated Hospital Of Sun Yat-Sen University ~ Guangzhou ~ China, ^[2]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 lesion12.00 **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.