

AVUS 2014

IX ADRIATIC VASCULAR ULTRASOUND SOCIETY ULTRASONOGRAPHY AND IMAGING

Endorsed by:

Croatian Society of Ultrasound in Medicine and
Biology of Croatian Medical Association (HDUMB HLZ)
Italian Society of Ultrasound in Medicine and Biology (SIUMB)
Slovenian Society of Ultrasound in Medicine (SZRUM)

AVUS 2004-2014:

**TEN YEARS PROMOTING VASCULAR ULTRASOUND
IN CENTRAL AND SOUTH EUROPE**



**Opatija - Croatia - Hotel Ambassador
11-13 April 2014**



PRVI HRVATSKI PROIZVOĐAČ PACS/RIS SOFTVERA

Tvrtka **VamsTec** prisutna je na tržištu od 1990. godine. Zahvaljujući dugogodišnjem iskustvu, kao i kreativnom i inovativnom dizajnu, **VamsTec** sustavi uspješno se primjenjuju u svim slikovno intenzivnim granama medicine, poput: radiologije, ultrazvuka, gastroenterologije, nuklearne medicine, patologije i citologije.

Glavni proizvod tvrtke, **informacijski sustav Issa**, predstavlja jedan od prvih PACS sustava koji ima sve potrebne karakteristike bolničkog enterprise PACS rješenja, gdje svi slikovni odjeli koriste istu aplikaciju i drže slike i nalaze na jednom mjestu. Kvalitete Issa sustava prepoznate su u preko 50 ustanova u Hrvatskoj, od malih privatnih ordinacija do Kliničkih bolničkih centara sa desecima korisnika i uređaja, te se izvozi u desetak zemalja svijeta.

vams^{tec}

vizualni analizacijski i mjerni sustavi

Đorđićeva 16, Zagreb, Hrvatska
t +385 1 4816183 | f +385 1 4816174
www.vams.com | vams@vams.com

Dear friends and colleagues,

It is with great honour and pleasure that we invite you to join us at the VIII Adriatic Vascular Ultrasound Society meeting dedicated to vascular sonography, with some lectures that also cover topics of angiology, vascular surgery and vascular medicine in general.

The meeting is the result of international collaboration of distinguished speakers, a team of clinicians and expert investigators in the field of vascular medicine. Distinguished faculty members from Italy, Slovenia, Croatia, but also from UK, USA, Switzerland, Israel, Hungary guarantee high quality lectures that will cover all fields of vascular ultrasound.

The attendants will benefit from the state-of-art lectures, hands-on sessions, clinical case-analysis and personal communication with the speakers. The aim of the meeting is to share knowledge and experience and to promote education in the field of vascular ultrasound in central European countries and beyond.

We are looking forward to meeting you in beautiful city of Opatija for the fourth time, for another memorable course.

Meeting directors:

Boris Brkljačić

Sergio Castellani

Saša Rainer

Marko Ajduk, Zagreb, HR
Michele Bertolotto, Trieste, IT
Aleš Blinc, Ljubljana, SL
Branko Breyer, Zagreb, HR alternativa Gjino Varga
Boris Brkljačić, Zagreb, HR
Mirjana Brvar, Maribor, SL
Sergio Castellani, Firenze, IT
Igor Čikara, Zagreb, HR
Colin Deane, London, UK
Ivan Drinković, Zagreb, HR
Francesco M. Drudi, Roma, IT
Diana Gaitini, Haifa, IL
Ivica Grgurević, Zagreb, HR
Zoltan Harkanyi, Budapest, HU
Gordana Ivanac, Zagreb, HR
Barry Kelly, Belfast, UK
Tonći Mišević, Osijek, HR
Vinizio Napoli, Pisa, IT
Pietro Pavlica, Bologna, IT
Pavel Poredoš, Ljubljana, SL
Saša Rainer, Slovenj Gradec, SL
Ivica Sjekavica, Zagreb, HR
Andrej Šikovec, Novo Mesto, SL
Hrvoje Vavro, Zagreb, HR
Vinko Vidjak, Zagreb, HR

How to perform vascular US examination

14.00-14.05	B.Brkljačić, S.Castellani, S.Rainer: Introduction and opening
14.05-14.20	B.Breyer: What do the physicists do when they do not speak about basic physics?
14.20-14.40	S.Rainer: Knobology
14.40-15.00	C.Deane: Hemodynamics and Basic Interpretation of Doppler spectra
15.00-15.30	S.Castellani: How to examine carotid and vertebral arteries, Transcranial Doppler
15.30-15.45	D.Gaitini: How to examine peripheral arteries – alternative Colin Deane
15.45-16.05	Coffee break
16.05-16.20	S.Rainer: How to examine peripheral veins
16.20-16.35	V.Napoli: How to examine aorta and visceral arteries
16.35-16.50	I.Grgurević: How to examine liver vessels
16.50-17.05	B.Brkljačić: How to examine renal arteries and kidneys
17.05-17.30	M.Brvar: Physical principles and clinical use of contrast-enhanced ultrasound
17.30-17.50	B.Kelly: CT angiography and MR angiography
17.50-19.50	Hands-on scanning
20.15	Dinner

EXTRACRANIAL AND INTRACRANIAL ARTERIES

- 8.30-8.45 **P.Poredoš:** Intima-media thickness
- 8.45-9.00 **B.Brkljačić:** How to grade ICA stenosis
- 9.00-9.20 **S.Castellani:** Clinical applications of transcranial Doppler
- 9.20-9.40 **M.Ajduk:** Carotid surgery vs. carotid stenting
- 9.40-10.00 **H.Vavro:** Interventional radiology of carotid and vertebral arteries
- 10.00-10.20 Coffee break

AORTA AND VISCERAL ARTERIES

- 10.30-10.45 **V.Napoli:** Clinical applications of ultrasound in imaging of aorta and mesenteric vessels
- 10.45-11.05 **B.Kelly:** CTA and MRA of abdominal vessels
- 11.05-11.25 **I.Grgurević:** Liver Doppler in portal hypertension and tumors
- 11.25-11.45 **M.Brvar:** Comparison of contrast-enhanced ultrasound and Doppler in liver lesions
- 11.45-12.05 **I.Sjekavica:** Liver transplants
- 12.05-12.20 **S.Rainer:** Inflammatory bowel disease and Doppler
- 12.20-14.00 Hands-on-scanning
- 14.00-15.30 **Z.Harkanyi, B.Brkljačić:** Lunch symposium quiz cases

UROGENITAL APPLICATIONS OF DOPPLER

- 15.30-15.50 **F.Drudi:** Renal transplants

- 15.50-16.05 **B.Brkljačić:** Renovascular hypertension
- 16.05-16.25 **M.Bertolotto:** Ultrasound of the scrotum and penis
- 16.25-16.45 **P.Pavlica:** Erectile dysfunction
- 16.45-17.05 Coffee break

PERIPHERAL ARTERIES:

- 17.05-17.25 **D.Gaitini:** Doppler of peripheral arteries
- 17.25-17.50 **V.Vidjak:** Role of ultrasound in interventional radiology
- 17.50-18.05 **A.Blinc:** Endothelial dysfunction
- 18.05-18.25 **C.Deane:** Evaluation of arteries of arms and hemodialysis shunts
- 18.25-19.50 Hands-on-scanning
- 20.15 Course dinner

VEINS AND VASCULAR MALFORMATIONS

- 9.00-9.20 **S.Rainer:** Deep venous thrombosis and alternative diagnoses
- 9.20-9.35 **V.Vidjak:** Interventional radiology of deep venous thrombosis
- 9.35-9.55 **D.Gaitini:** Chronic venous insufficiency
- 9.55-10.20 **A.Šikovec:** Minimally invasive treatment of venous disease under US guidance
- 10.20-10.45 **H.Vavro:** Is there a role of venous Doppler in patients with multiple sclerosis
- 10.45-11.10 **Z.Harkanyi:** Doppler of vascular malformations
- 11.10-11-30 Coffee break

MISCELLANEOUS

- 11.30-11.45 **Z.Harkanyi:** Specific applications of Doppler in pediatric population
- 11.45-12.00 **G.Ivanac:** Doppler of thyroid diseases
- 12.00-12.15 **I.Drinković:** Doppler of the breast
- 12.15-12.35 **G.Ivanac:** Musculoskeletal Doppler
- 12.35-13.00 **Z.Harkanyi:** A potential role of CEUS in the monitoring of tumor therapy
- 13.00-13.05 Closing remarks

Samo za zdravstvene djelatnike

Diagnostic Imaging



Uvijek korak ispred

Gadovist® 1.0

Ultravist®

Magnevist®



Bayer HealthCare
Bayer Schering Pharma

LHR 05-2010.0016

Bayer d.o.o., Bayer Schering Pharma

Radnička cesta 80, 10 000 Zagreb, tel.: 01/ 23 62 150, fax: 01/ 24 41 341

GE Healthcare

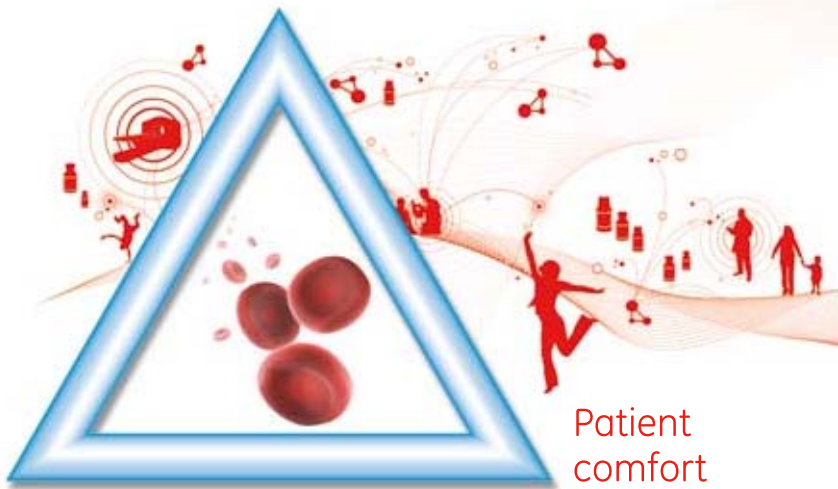
Isosmolar Visipaque: Strong evidence¹⁻¹²

Visipaque, at all iodine concentrations, is the only contrast medium available for intravascular use with osmolality equal to blood.

Find out more at www.visipaque.com

Renal tolerability

Cardiac
safety



Patient
comfort

Cjelokupni odobreni sažetak svojstava lijeka i cjelokupna odobrena uputa sukladni su članku 15. Pravilnika o načinu oglašavanja o lijekovima i homeopatskim proizvodima (Narodne Novine broj 118/2009). Samo za zdravstvene djelatnike.

Za sve dodatne obavijesti obratite se na GE Healthcare d.o.o., Josipa Marohnića 1/VI, Zagreb, tel:+385 (0)1 6170 280 www.gehealthcare.com

© 2010 General Electric Company – Sva prava zadržana.
GE i GE Monogram su zaštitni znaci General Electric Company.
GE Healthcare, divizija tvrtke General Electric.

Visipaque je registrirani zaštitni znak GE Healthcare.

Reference: 1. Aspelin P *et al.* N Engl J Med 2003; 348: 491-9. 2. Jo S-H *et al.* J Am Coll Cardiol 2006; 48: 924-30. 3. Hernandez F *et al.* Eur Heart J 2007; 28(Suppl.): Abs 454. 4. Nie B *et al.* Poster presented at SCAI-ACC12 2008. Chicago, USA. 5. Davidson CJ *et al.* Circulation 2000; 101: 2172-7. 6. Harrison JK *et al.* Circulation 2003; 108 (Suppl.IV); Abstract 1660. 7. Verow P *et al.* Brit J Radiol 1995; 68: 973-8. 8. Tveit K *et al.* Acta Radiologica 1994; 35: 614-8. 9. Palmers Y *et al.* Eur J Radiol 1993; 17: 203-9. 10. Justesen P *et al.* Cardiovasc Intervent Radiol 1997; 20: 251-6. 11. Manke C *et al.* Acta Radiologica 2003; 44: 590-6. 12. Klaw NE *et al.* Acta Radiologica 1993; 34: 72-7.

05-2010 MB003327/OS CROATIAN



GE imagination at work

ISOSMOLAR
VISIPAQUE™
(IODIXANOL)

CREDITS

Croatian medical chamber will award this meeting:

20 CME credits - INVITED SPEAKERS

10 CME credits - PARTICIPANTS.

FEES

	Before March 1, 2014	After March 1, 2014
Doctors	EUR 280,00	EUR 350,00
Residents	EUR 200,00	EUR 250,00
Accompanying person	EUR 100,00	EUR 100,00

The Registration Fee includes : Admission to the Basic Training Course and all lectures, hands on scanning, Coffee break as in the programme, Certificate, Welcome reception and Gala dinner. Accompanying person fee includes: Admission to exhibition area, Welcome reception and Gala dinner.

PAYMENT

The registration fees must be free of every charges or banking commission.

Specify participant's name and " VIII AVUS - Opatija " as reason for payment.

Inside Croatia :

*Raiffeisenbank Austria d.d., Petrinjska 59, 10000 Zagreb
(IBAN), HR8024840081101215562,
in favor of " Novacon d.o.o.", Bartolići 17, 10000 Zagreb*

Outside Croatia:

*Raiffeisen Banka d.d., Zagrebška cesta 76, 2000 Maribor
IBAN : SI 56 2420 0900 4562 503
SWIFT: KREKS122
in favor of " Novacon d.o.o.", Horvaćanska 10, 10000 Zagreb*

Please send the receipt of the copy of the payment to the organizing secretariat, otherwise the entrance to the workshop will not be allowed.

SECRETARIAT

Novacon d.o.o.

Bartolići 17 - 10000 Zagreb - Croatia

Phone/Fax +385.1. 383.06.38

Cell +385.91.507.51.34

E-mail: javor.vucic@zg.htnet.hr, lidija.vucic@zg.t-com.hr

URL: <http://www.novacon.hr/avus2014>

ACCOMODATION - MEETING CENTRE

"Hotel Ambassador"

Feliksa Perišića 5
51410 Opatija
Croatia

Reservation must be done directly to the hotel:

Reservation office :

Phone +385 51 710 444

Fax+ +385 51 710 399

E-mail: reservations@liburnia.hr

All participants have to pay a costs of accommodation directly at reception desk by cash or by credit cards.

Cost of registration fee and gala dinner participants can pay only by prepay-ment to the account of organizer or by cash at registration desk.

AMBASADOR (***)**

Double bed room: 89,00 €

Double bed room single use: 67,00 €

Price are per person, per day (tourist tax and VAT included) on H/P (bed, breakfast and dinner included).

SOCIAL PROGRAMME

Welcome reception

Friday - 11.04. 2014 -19.30 h

Gala dinner

Saturday- 12.04.2014-20.00 h

Excursions and tours

Sunday - 13.04. 2014 - Optional excursion to Istria



PRELIMINARY REGISTRATION FORM - AVUS 2014

Last Name

First Name

Institution

Address

City and Zip code

Country

Phone

Fax

E-mail

Date
.....

Signature
.....

To be returned to Congressional service

Fax: + 385 1 383 0638

Unveil The Latest Prosound Powerful, Friendly and Compact Ultrasound System

ProSound a7 is a diagnostic ultrasound system realizing efficient examination through high-definition images, ease of use and efficient flexible data management.



Powerful Premium

Technologies, performance and functions which were cultivated and advanced by the development of the flagship ProSound a10, have come into fruition in Prosound a7.

Friendly Premium

Designed with patients and users in mind. User friendly, patient friendly and environment friendly ultrasound system.

Compact Premium

Light in weight, compact design makes the system truly mobile - anywhere, anytime, universal premium.



SIEMENS

Your patients see a piece of machinery.
You see people living healthier lives.

www.siemens.com/ultrasound

As a healthcare professional, you know that a large part of beating disease is finding it. The sooner you uncover a problem, the sooner you can start treating it—and the greater chance your patients have of making a full recovery.

At Siemens, we continually make breakthroughs in technology so that you can obtain the accurate, in-depth information you need to help your patients make the best decisions about their health.

Siemens pioneers ultrasound to make the impossible possible. Our ultrasound systems provide you with high-quality images you can count on in the greatest moment of need. Because an ultrasound system looks a lot like any other machine—until it helps to save a life.

Siemens. The ultrasound pioneers.

Answers for life.