

HUNGARIAN SOCIETY OF CARDIOLOGY

Joint scientific meeting of the *Hungarian Association of Cardiovascular Imaging* and the *Central European Conference on Non-Invasive Cardiovascular Imaging*



Endorsed by



EACVI
European Association of
Cardiovascular Imaging



Danubius Hotel Margitsziget

10-13.10.2018., Budapest, Hungary

www.convention.hu

Dear congress participants, dear colleagues,

It is my pleasure to welcome you to the joint meeting of the Hungarian Association of Cardiovascular Imaging and Central European Congress on Non-Invasive Cardiovascular imaging! This bilingual international meeting reflects the values of collaboration and networking between international and Hungarian experts in cardiovascular imaging. To organize this special venue, cardiologists and radiologists were working together to bring you the latest evidence and developments in the field of non-invasive imaging of the heart and lung. I would like to draw your attention to our hands on cardiac-CT and echocardiography workshops, which provide unique opportunity to gain practical knowledge in advanced cardiac imaging. We provide level I certification in cardiac CT if you participate in the cardiac-CT training, which includes 50 cases, and follow the cardiac CT lectures of our conference. Please, register to these workshops on the venue's homepage **www.cecnicvi.com**.

The special venue deserves a special location; therefore, we have decided to take our congress to the Margaret Island in Budapest. We hope that you will enjoy the relaxing atmosphere of the island and it will provide an inspiring milieu for scientific discussions.

Yours sincerely,

Pál Maurovich-Horvat MD, PhD, MPH

President of the Hungarian Association of Cardiovascular Imaging

Scientific Information

Pál Maurovich-Horvat MD, PhD, MPH
egyetemi docens

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General Information

Congress Venue

Danubius Hotel Margitsziget

Margitsziget, H-1007 Budapest, Hungary

Congress Presidents

Pál Maurovich-Horvat

Robert Steiner

Scientific Committee of the Hungarian Association of Cardiovascular Imaging

Réka Faludi
(president)

Péter Andrásy
Astrid Apor

Gergely Ágoston
Andrea Péter

Hajnalka Vágó
Albert Varga

Scientific Committee of the Central-European Conference of Non-Invasive Cardiovascular Imaging

István Battyani
(president)

Alessia Gimelli
Udo Hoffmann

Hildo Lamb
Joseph Schoepf

Mark Westwood
Charles White

Invited Speakers

T Benedek (Tirgu Mures, Romania)

C Buciarelli-Ducci (Bristol, UK)

R Budde (Rotterdam, The Netherlands)

M Cameli (Siena, Italy)

F Chan (Stanford, USA)

M Čikeš (Zagreb, Croatia)

M Dewey (Berlin, Germany)

T Edvardsen (Oslo, Norway)

T Franquet (Barcelona, Spain)

A Gimelli (Pisa, Italy)

U Hoffmann (Boston, USA)

H Lamb (Leiden, The Netherlands)

T Leiner (Utrecht, The Netherlands)

W Li (London, UK)

D Litmanovitch (Boston, USA)

B Ruzsics (Liverpool, UK)

M Schmitt (Manchester, UK)

J Schoepf (Charleston, USA)

R Steiner (Philadelphia, USA)

A Varga-Szemes (Charleston, USA)

M Westwood (London, UK)

C White (Baltimore, USA)

Preliminary Programme

10.10.2018, WEDNESDAY
CECNICVI - ENGLISH

09:00-09:15	Opening session Opening remarks by István Battyani, Pál Maurovich-Horvat and Robert Steiner
09:15-10:30	Pulmonary Imaging Current concepts Chairs: <i>I Battyani, R Steiner</i> Imaging of Community Acquired Pneumonia <i>T Franquet</i> Update on Pulmonary embolism imaging <i>I Battyani</i> Radiation dose in cardiothoracic imaging: how low can we go <i>D Litmanovitch</i> COPD: history and current concepts <i>R Steiner</i> Discussion
10:30-11:00	Coffee break
11:00-12:15	Imaging of interstitial and depositional lung disease Chairs: <i>V Müller, T Franquet</i> Clinical aspects of interstitial lung disease <i>V Müller</i> Update on the role of imaging in idiopathic pulmonary fibrosis <i>A Tárnoki</i> Interstitial lung disease related to cigarette smoking <i>R Steiner</i> Depositional Diseases of the Lung <i>T Franquet</i> Discussion
12:15-13:30	Lunch
13:15-14:30	Lung cancer Chairs: <i>D Litmanovitch, T Franquet</i> Lung Cancer Screening: current state <i>C White</i> Imaging algorithm for diagnosis and staging of lung cancer - Which modality is the best? <i>D Litmanovitch</i>

Imaging of the solitary pulmonary nodule: state of the art

C White

Response evaluation in biological and immunotherapy

G Gálffy

Discussion

14:30-15:00

Coffee break

15:00-16:15

Advanced cardiac and pulmonary imaging

Chairs: *I Battyani, R Steiner*

4D flow imaging of the heart

A Varga-Szemes

Challenges in emergency cardiovascular imaging

E Várady

The spectrum of pulmonary infections in the immunocompromised patient

R Steiner

Imaging of pulmonary embolism in pregnancy

G. Balázs

Discussion

16:15-16:45

Coffee break

16:45-18:00

Heart valves with CT, MR and PET: latest advances

Chairs: *M Westwood, A Varga-Szemes*

Molecular imaging of valves disease

M Dweck

CT imaging in transcatheter valve implantation

B Szilveszter

Valve imaging by CMR

M Westwood

Endocarditis of prosthetic valves

A Bartykowska

Discussion

11.10.2018 THURSDAY

JOINT DAY BETWEEN HACVI AND CECNICVI - ENGLISH

09:00-13:00

ECHO WORKSHOP

Echokardiográfia újdonságai, forrongó témák, izgalmas esetek - Magyar nyelvű/Hungarian

09:00-10:30

The latest on MR myocardium imaging

Chairs: *C Buciarelli-Ducci, H Lamb*

The Future of CMR is EZ

H Lamb

Update on use of MR in ARVC

H Vágó

MR in cardiac transplant disease

M Schmitt

MR in acute chest pain

C Bucciarelli-Ducci

Infiltrative myocardial disease with MR

B Ruzsics

Discussion

10:30-11:00

Coffee break

11:00-12:00

Imaging in cardiovascular diseases in neonates and children

Chairs: *W Li, C White*

Echo as the first line test in congenital heart disease

W Li

CT and MR in neonates with congenital heart disease

F Chan

CT and MR imaging of congenital abnormalities of the great vessels

C White

Non-contrast MRA for the follow-up of patients with congenital heart disease

A Tóth

12:00-13:00

Lunch

13:00-14:15

State-of-the-Science on CT imaging in chest pain

Chairs: *U Hoffmann, P Maurovich-Horvat*

Acute Chest Pain CT

U Hoffmann

Stable Chest Pain CT

M Dewey

Perfusion and FFR: friends or foes?

J Schoepf

What do the latest CT techniques bring to the table in imaging plaques?

T Benedek

Discussion

14:15-14:30	Coffee
14:30-15:45	<p>Cardiac masses, pericardial alterations, structural heart disease Chairs: <i>M Schmitt, R Budde</i></p> <p>Molecular imaging of valves disease <i>M Dweck</i></p> <p>How do I image cardiac masses with MR and CT: practical tips <i>M Schmitt</i></p> <p>Myocardial T1-ECV mapping <i>H Lamb</i></p> <p>Pericardial changes by MR and CT <i>R Budde</i></p> <p>Discussion</p>
15:45-16:15	Coffee
16:15-17:45	<p>Dawn of machine learning and artificial intelligence in CV imaging Chairs: <i>T Leiner, J Schoepf</i></p> <p>Basic concepts and terminology <i>A Varga-Szemes</i></p> <p>ML and AI in cardiac CT <i>T Leiner</i></p> <p>ML applications for Echo <i>M Čikeš</i></p> <p>Machine learning in CMR <i>M Westwood</i></p> <p>Radiomics: a new tool for cardiovascular image analysis <i>M Kolossvary</i></p> <p>Discussion</p>

12.10.2018 Friday
HACVI - HUNGARIAN/ENGLISH

11:00-18:00	<p>CARDIAC CT TRAINING Hands on cardiac CT - 50 cases for Level I certification</p>
09:00-09:15	<p>Ünnepélyes megnyitó: Multimodális Szív-képpalkotás <i>Faludi Réka, Vágó Hajnalka, Maurovich-Horvat Pál</i></p>

09:15-10:30

Keynote lectures

Year in cardiac imaging - Echo

T Edvardsen

Year in cardiac imaging - Nuclear Cardiology / CT

A Gimelli

Year in cardiac imaging - CMR

M Westwood

Lengyel Mária emlékelőadás

Hegedűs Ida

10:30-12:00

Strain a klinikai gyakorlatban

Üléselnökök: *Forster Tamás, Apor Astrid*

Strain és strain rate képalkotás - alapok és modalitások a mérések standardizációja

Kovács Attila

Strain differenciáldiagnosztikai szerepe bal kamra hypertophiában

Faludi Réka

Jobb kamrai strain jelentősége és előnye a hagyományos mérésekkel szemben

Péter Andrea

Globális longitudinális strain jelentősége a szívtranszplantált betegek utánkövetésében

Assabiny Alekszandra

Diskusszió

12:30-13:30

Lunch

13:00-14:30

Elektro-Képalkotás

Üléselnökök: *Pap Róbert, Simor Tamás*

Az asszinkronia vizsgálata reszinkronizációs terápia előtt

Borsányi Tünde

Echocardiographia CRT terápia mellett - hogyan segítsük az optimalizációt?

Jenei Csaba

A kamrai ritmuszavarok képalkotása - multimodális megközelítés

Vágó Hajnalka

Pitvarfibrilláció - képalkotás abláció előtt és után

Földi Eszter

Diskusszió

15:00-15:30

Coffee break

15:00-16:30

Képzőanyag szívelégtelenségben

Üléselelőkök: *Faludi Réka, Temesvári András*

The expanding role of echocardiography in heart failure
- Keynote lecture / English

Maja Čikeš

A szív MR szerepe szívelégtelenségben

Tóth Levente

Melyik a jobb prognosztikai tényező szívelégtelenségben?

Képzőanyag vs. biomarkerek?

Pozsonyi Zoltán

Molekuláris képzőanyag szívelégtelenségben

Pártos Oszkár

Terápiás döntéseink során, milyen mértékben támaszkodunk a képzőanyag módszerekre?

Habon Tamás

Diszkusszió

16:30-18:00

Esetbemutatás

Üléselelőkök: *Barta Elektra, Dinnyés József, Karlócai Kristóf*

20:00

Dinner

13.10.2018 Saturday

HACVI - HUNGARIAN

08:30-10:00

Iszkémiás szívetegység – a szűkületek összetett vizsgálata

Üléselelőkök: *Varga Albert, Andrásy Péter*

FFR használata, előnyök és hátrányok a szűkületek megítélésében

Thury Attila

Plakk morfológia és CT alapú funkcionális vizsgálat

Maurovich-Horvat Pál

Komplex stress echocardiográfiás vizsgálat
(falmozgászavar-CFR-strain)

Ágoston G

Szív MR az ischaemia, viabilitás megítélésében és a MINOCA differenciáldiagnózisában

Tóth Attila

Képzőanyag CTO előtt és után- Mire kíváncsi az operátor?

Andrásy Péter

	Diszkusszió
10:00-10:30	Coffee break
10:30-12:00	Hazai tudományos előadások Üléselnökök: <i>Nemes Attila, Maurovich-Horvat Pál</i>
12:00-13:30	Hab a tortán Üléselnökök: <i>Pál Mátyás, Asbót Richard</i> Képpalkotás MitraClip beültetés előtt és után <i>Nagy Anikó</i> Segíthet-e a kontarszt echocardiographia diagnosztikus nehézségek esetén? <i>Pálinkás Attila</i> TAVI: pre és postoperatív képpalkotás <i>Bartykowszki Andrea</i> Képpalkotás a strukturális intervenciók érájában <i>Apor Astrid</i> Diszkusszió
13:30-14:00	Zárszó és tesztírás / Closing ceremony

Registration

Registration fee	150 EUR
TRAINING - Echocardiatic practical training max. 4x20 persons	FREE
TRAINING - Cardiac CT practical training max 10 persons	200 EUR
Lunch (optional service) Wednesday, Thursday, Friday, Saturday	20 EUR
Dinner on Friday (optional service)	37 EUR

Registration fee includes: name badge, congress bag, access to all scientific programs of Congress, program and abstract book, coffee and soft drink ticket.

Accommodation

Danubius Health Spa Resort Margitsziget **** Superior

<https://www.danubiushotels.com/en/our-hotels-budapest/danubius-health-spa-resort-margitsziget>

Single room with breakfast	125 EUR /room /night
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Double room with breakfast	140 EUR /room /night
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The rate includes accommodation with buffet breakfast, applicable taxes (VAT, city tax), free WIFI, use of the bathrobe, fitness room, thermal and swimming pools, sauna and steam bath.

Payment, Cancellation, Refund

Condition of payments

By registering to the congress you are able to pay for the reserved services either by;

1.) BANK TRANSFER: a copy of the bank transfer has to be sent to Convention Budapest Ltd attached to the registration. Bank details:

Bank: K&H Bank

Address: H-1095 Budapest, Lechner Ödön fasor 9., Hungary

Swiftcode: OKHBHUHB.IBAN: HU26 1020 1006 6019 5559 0000 0000

2.) CREDIT CARD: You may authorize Convention Budapest Kft. to debit the credit card with fee of the services.

Credit card facilities are available for: EURO/MasterCard, VISA. Please indicate type of card, number, expiry date, cardholder's name on card and signature to confirm the amount being paid.

In case of using credit card we are kindly asking you to give us CVV code of the credit card as well.

Confirmation

Confirmation and the corresponding receipt will be sent upon receipt of the payment and hotel accommodation form.

Payments, cancellation, refunds

To guarantee any accommodation and registration the payment of your full stay and your registration fee are required. In case of any cancellation up to September 15, 2018, costs will be refunded less 50 EUR for administration costs. After this date payments cannot be refunded under any circumstances. In case of late cancellations (after September 15, 2018) rooms cancelled, cancelled nights, or in case of no show, we keep the right to charge the full stay, in case if the hotel room cannot be re-sold.

Congress Information

EXHIBITON, SPONSORATION

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More information, online registration:
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