

08:30 - 10:00

MOZART

Multimodality imaging of aortic diseases**Joint session with the European Society of Cardiac Radiology****Chairpersons: F.J. Pinto (Lisbon, PT); M. Oudkerk (Groningen, NL)**

- | | | |
|-------|---|-----|
| 08:30 | <i>Transthoracic and transoesophageal echo-strengths and limitations.</i> | 582 |
| | F. Alfonso Manterola (Madrid, ES) | |
| 08:48 | <i>Using intravascular ultrasound-can it improve outcomes?</i> | 583 |
| | T. Buck (Essen, DE) | |
| 09:06 | <i>Cardiovascular magnetic resonance-strengths and limitations.</i> | 584 |
| | J. Bremerich (Basel, CH) | |
| 09:24 | <i>Computed tomography-strengths and limitations.</i> | 585 |
| | M. Oudkerk (Groningen, NL) | |
| 09:42 | <i>Integration in joint diagnostic and clinical care pathways.</i> | 586 |
| | A. Evangelista Masip (Barcelona, ES) | |

08:30 - 10:00

DVORAK

Advances in understanding of the normal right heart**The right heart and pulmonary circulation I****Joint session with the European Association for Paediatric Cardiology (AEPC)****Chairpersons: A. Szatmari (Budapest, HU); J. Marek (London, GB)**

- | | | |
|-------|---|-----|
| 08:30 | <i>Embryology and anatomy of the right atrium and ventricle.</i> | 587 |
| | S. Di Filippo (Lyon, FR) | |
| 08:52 | <i>Physiology and proteomics-why is there a right ventricle?</i> | 588 |
| | J.M.J. Lamers (Rotterdam, NL) | |
| 09:15 | <i>Ventricular interaction-physiology and non-invasive diagnosis.</i> | 589 |
| | F. Bauer (Rouen, FR) | |
| 09:37 | <i>Echocardiographic diagnosis of normal structure and function.</i> | 590 |
| | S. Kovalova (Brno, CZ) | |

08:30 - 10:00

SMETANA

The heart in endocrine disease**Mini-theme, Heart in Endocrine Disease I****Chairpersons: D.V. Cokkinos (Athens, GR); A. Varga (Szeged, HU)**

- | | | |
|-------|---|-----|
| 08:30 | <i>Acromegaly and pituitary failure.</i> | 591 |
| | V. Di Bello (Pisa, IT) | |
| 08:52 | <i>Carcinoid syndrome.</i> | 592 |
| | M. Grogan (Rochester, MN, US) | |
| 09:15 | <i>Thyroid disease.</i> | 593 |
| | S. Mohr-Kahaly (Wiesbaden, DE) | |
| 09:37 | <i>Abuse of growth hormone and anabolic steroids.</i> | 594 |
| | E. Abergel (Paris, FR) | |



08:30 - 10:00

JANACEK

Viable and ischaemic myocardium: imaging techniques

DICE session

Polish Working Group on Echocardiography**Chairpersons: R. Sicari (Pisa, IT); J.D. Kasprzak (Lodz, PL)**

- | | | |
|-------|---|-----|
| 08:30 | Introduction.
J.D. Kasprzak (Lodz, PL) | 595 |
| 08:35 | Multimodality assessment of myocardial viability and ischaemia.
Z. Gasior (Katowice, PL) | 596 |
| 08:44 | Viability in an unstable patient.
T. Kukulski (Zabrze, PL) | 597 |
| 08:53 | Myocardial viability in dilated cardiomyopathy.
J. Drozd (Lodz, PL) | 598 |
| 09:02 | Ischaemic LV dysfunction, echo or alternatives?
A. Gackowski (Krakow, PL) | 599 |
| 09:11 | Viability in aortic stenosis with LV dysfunction.
E. Plonska-Gosciniak (Szczecin, PL) | 600 |
| 09:20 | DSE vs MCE in stunned myocardium, friends or opponents?
A. Klisiewicz (Warsaw, PL) | 601 |
| 09:29 | Approaches to myocardial viability in a patient after myocardial infarction.
M. Olszowska (Krakow, PL) | 602 |
| 09:38 | Viability in takotsubo syndrome.
M. Plewka (Lodz, PL) | 603 |
| 09:47 | Is his muscle alive? integrated backscatter monitoring in the course of eosinophilic endomyocarditis.
A. Koprowski (Gdansk, PL) | 604 |

08:30 - 10:00

MARTINU

Aortic Valve disease

Teaching Course

Chairpersons: P. Hoffman (Warsaw, PL); A. Zuppiroli (Florence, IT)

- | | | |
|-------|--|-----|
| 08:30 | Acquired pathologies of aortic valve: specimen and echo.
G. Thiene (Padua, IT) | 605 |
| 08:52 | Aortic stenosis: what and how to measure?
R. Rosenhek (Vienna, AT) | 606 |
| 09:15 | Aortic regurgitation: what and how to measure?
P.M. Vandervoort (Ghent, BE) | 607 |
| 09:37 | Prothetic valve.
J.B. Chambers (London, GB) | 608 |

08:30 - 10:00

NOVAK

Improved Quantification with Real-Time 3-Dimensional Echo

Oral Abstract session

Chairpersons: F.E. Rademakers (Leuven, BE); P. Nihoyannopoulos (London, GB)

- | | | |
|-------|---|-----|
| 08:30 | Head to head comparison of left ventricular mass measurements with real-time three-dimensional echocardiography and magnetic resonance imaging.
A. Pouleur, A.C. Pouleur, J.B. Le Polain De Waroux, A. Pasquet, B. Gerber, D. Vancraeynest, P. Allain, O. Gerard, J.L. Vanoverschelde (Brussels, BE, Paris, FR) | 609 |
|-------|---|-----|

08:30 - 10:00

NOVAK

- 08:45 **Newly developed transoesophageal real-time 3D-echocardiography system, accuracy of distance measurements.** 610
M. Handke, U. Moser, G. Heinrichs, F. Hirt, F. Margadant, F. Gattiker, A. Geibel (Freiburg, DE, Zurich, Winterthur, CH, Sidney, AU, Dubendorf, CH)
- 09:00 **Surface detection and colour-encoding applied to real-time three-dimensional echocardiographic images as a basis for automated assessment of left ventricular wall motion.** 611
G. Caiani, C. Corsi, F. Veronesi, L. Weinert, L. Sugeng, S. Malhotra, C. Lamberti, R.M. Lang (Milan, Bologna, IT, Chicago, US, New Delhi, IN)
- 09:15 **Real time 3 Dimensional Echo imaging (RT3DEI) during stress echo allows simultaneous assessment of left atrial (LA) and right ventricular (RV) function while detecting left ventricular (LV) ischaemia.** 612
H.S. Yang, P.A. Pellikka, F. Mookadam, B.K. Khandheria, K. Chandrasekaran (Bucheon, KR, Rochester, US)
- 09:30 **Three dimensional parametric viability assessment during dobutamine stress echocardiography at patients after myocardial infarction before revascularisation.** 613
P. Scislo, J. Kochanowski, R. Piatkowski, G. Opolski (Warsaw, PL)
- 09:45 **3D left atrial volume with real-time 3D echocardiography as a marker of left ventricular diastolic function; A comparison study with the left atrial measurements with 2D echocardiography.** 614
G.C. Kim, I.S. Ahn, J. Kwan, W.J. Choi, D.H. Kim, K.S. Park, W.H. Lee (Incheon, KR)

08:30 - 10:00

SUK

Coronary flow reserve in everyday clinical practice

Special Session

Chairpersons: P. Voci (Rome, IT); G. Athanassopoulos (Pireas, GR)

- 08:00 **Assessing microvascular function.** 615
P. Colonna (Bari, IT)
- 08:22 **In heart valve disease.** 616
T. Forster (Szeged, HU)
- 08:44 **In dilated cardiomyopathies.** 617
I.A. Paraskevaidis (Ag. Paraskevi (Athens), GR)
- 09:07 **In acute coronary syndromes.** 618
F. Rigo (Mestre-Venice, IT)

08:30 - 10:00

CARDIAC DEMO ROOM

Hands-on specimen demonstration: the pathology of genotyped hearts excised at transplantation**Chairpersons: E. Arbustini (Pavia, IT); M. Pasotti (Pavia, IT)**

Acute MI due to coronary dissection

Acute MI due to coronary thrombosis

Lungs with primary pulmonary hypertension

Hearts and lungs with Eisenmenger syndrome

Lungs with CTPH

Inherited cardiomyopathies with known causative genotypes (HCM, RCM, DCM, ARVC)



08:30 - 10:00

CARDIAC DEMO ROOM

Giant cell myocarditis
Sarcoidosis
Dissecting arterial diseases (Marfan Syndrome, TAA, LDS)
Isolated coronary trees

Attendance at this session will be limited to 20 participants, please register in advance if possible.

COFFEE BREAK

More information on Moderated Posters and Posters sessions page 102

11:00 - 12:30

MOZART

Imaging percutaneous interventions

Joint session with the American Society of Echocardiography

Chairpersons: P. Hoffman (Warsaw, PL); M. Vannan (Orange, US)

- | | | |
|-------|---|-----|
| 11:00 | ASD and PFO closure. | 755 |
| | L. Mertens (Leuven, BE) | |
| 11:18 | L.A appendage occlusion. | 756 |
| | R. Martin (Atlanta, US) | |
| 11:36 | Septal ablation in hypertrophic cardiomyopathy. | 757 |
| | A. Keren (Jerusalem, IL) | |
| 11:54 | Mitral valve repair and annuloplasty. | 758 |
| | N. Weissman (Washington D.C, US) | |
| 12:12 | Aortic valve replacement. | 759 |
| | M.H. Picard (Boston, US) | |

11:00 - 12:30

DVORAK

The right heart in left heart disease

The right heart and pulmonary circulation II

Joint session with the WG on pulmonary circulation and RV function

Chairpersons: J. Gibbs (London, GB); A. Torbicki (Warsaw, PL)

- | | | |
|-------|---|-----|
| 11:00 | Right ventricular ischaemia and infarction. | 760 |
| | A. Cohen-Solal (Paris, FR) | |
| 11:22 | Dilated cardiomyopathy. | 761 |
| | P. Caso (Naples, IT) | |
| 11:44 | Hypertrophic cardiomyopathy. | 762 |
| | D. Pellerin (London, GB) | |
| 12:06 | Before and after cardiac surgery. | 763 |
| | L. Hatle (Trondheim, NO) | |

11:00 - 12:30

SMETANA

Cardiovascular function in obesity**Mini-theme, Heart in Endocrine Disease II****Joint session with the European Association for cardiovascular prevention and rehabilitation (EACPR)****Chairpersons: D. Vinereanu (Bucharest, RO); P. Fioretti (Udine, IT)**

- | | | |
|-------|---|-----|
| 11:00 | Obesity and the metabolic syndrome, epidemiology and definitions.
V. Sansoy (Istanbul, TR) | 764 |
| 11:22 | What can we learn from animal models?
M. Scherrer-Crosbie (Boston, US) | 765 |
| 11:44 | Myocardial perfusion and metabolism.
J.M. Knuuti (Turku, FI) | 766 |
| 12:06 | Arterial and myocardial function and risk of heart failure.
C. Palombo (Pisa, IT) | 767 |

11:00 - 12:30

JANACEK

Cardiac masses and source of embolism

DICE session

Hungarian Working Group on Echocardiography**Chairpersons: R.G. Asbot (Budapest, HU); B. Cosyns (Brussels, BE)**

- | | | |
|-------|---|-----|
| 11:00 | Pacemaker related cerebral embolism.
G. Kerecsen (Budapest, HU) | 768 |
| 11:09 | A "Mobile" source of systemic embolism.
R. Faludi (Pecs, HU) | 769 |
| 11:18 | Thrombus? Myxoma?
T. Fulop (Debrecen, HU) | 770 |
| 11:27 | The role of the cardiologist in haematology.
E. Jabelovszky (Szeged, HU) | 771 |
| 11:36 | Prenatal diagnosis of giant intracardiac masses.
K. Kadar (Budapest, HU) | 772 |
| 11:45 | How can TDI help to identify intracardiac masses?
M. Lengyel (Budapest, HU) | 773 |
| 11:54 | Strange link between two organs.
V. Nagy (Szeged, HU) | 774 |
| 12:03 | Fossa ovalis thrombosis.
A. Palinkas (Hodmezovasarhely, HU) | 775 |
| 12:12 | Cause of cryptogenic stroke in young adult, beyond the PPFO.
A. Temesvari (Budapest, HU) | 776 |
| 12:21 | Wide QRS tachycardia. What is behind?
L. Toth (Pecs, HU) | 777 |

11:00 - 12:30

MARTINU

Mitral Valve disease

Teaching Course

Chairpersons: B. Diebold (Paris, FR); F. Flachskampf (Erlangen, DE)

- | | | |
|-------|---|-----|
| 11:00 | Anatomy of the mitral valve: echo/anatomy. Structure and function.
A.G. Fraser (Cardiff, GB) | 778 |
|-------|---|-----|



11:00 - 12:30

MARTINU

- 11:22 **Assesment of mitral regurgitation. Non-ischaeamic and ischaemid.** 779
P. Lancellotti (Liege, BE)
- 11:45 **Rheumatic MV disease.** 780
D.B. Northridge (Edinburgh, GB)
- 12:06 **Follow-up after mitral valve surgery.** 781
A. Berrebi (Paris, FR)

11:00 - 12:30

NOVAK

Role of Stress Echocardiography in Assessing**Oral Abstract session****LV Diastolic Function****Chairpersons: M.S. Feinberg (Tel Hashomer, IL); E. Abergel (Paris, FR)**

- 11:00 **Can diastolic filling be reliably assessed during upright bicycle exercise? A test-retest reproducibility study.** 782
H. Walsh, G. Whalley, G. Carrick-Ranson, C. Baldi, R. Doughty (Auckland, NZ)
- 11:15 **Evolution of left ventricular diastolic parameters during exercise in heart failure patients.** 783
P. Lancellotti, G. Tumminello, B. Cosyns, G. Van Camp, D. Karsera, L.A. Pierard (Liege, Braine Alleud, Brussel, BE)
- 11:30 **Left ventricular relaxation and filling in upright bicycle exercise in patients with myocardial infarction.** 784
L.A. Rustad, B.H. Amundsen, A. Stoylen, S.A. Stordahl (Trondheim, NO)
- 11:45 **Influence of dobutamine stress test on parametens of systolic and diastolic function in patients with hypertension.** 785
A. Kwiecien, Sobstel, D.C. Czarnaeka, A.O. Olszanaeka, K.K.J. Kawecka- Jaszcz (Krakow, PL)
- 12:00 **Left ventricular filling pressure as a determinant of exercise capacity in subjects with normal systolic function.** 786
J.-W. Ha, J.A. Ahn, J.M. Kim, S.W. Lee, S.J. Rim, Y.S. Jang, W.H. Shim, S.Y. Cho (Seoul, KR)
- 12:15 **Lack of end-diastolic volume recruitment during exercise in patients with diastolic heart failure.** 787
T. Bombardini, M. Galderisi, V. Coppola, G. Mottola, E. Picano (Pisa, Naples, Mercogliano, IT)

10:00 - 11:30

CARDIAC DEMO ROOM

Hands-on specimen demonstration: the pathology of genotyped hearts excised at transplantation**Chairpersons: E. Arbustini (Pavia, IT); M. Pasotti (Pavia, IT)**

Acute MI due to coronary dissection

Acute MI due to coronary thrombosis

Lungs with primary pulmonary hypertension

Hearts and lungs with Eisenmenger syndrome

Lungs with CTPH

Inherited cardiomyopathies with known causative genotypes (HCM, RCM, DCM, ARVC)

Giant cell myocarditis

Sarcoidosis

Dissecting arterial diseases (Marfan Syndrome, TAA, LDS)

Isolated coronary trees

Attendance at this session will be limited to 20 participants, please register in advance if possible.

12:45 - 13:45

SMETANA

Dyssynchrony imaging - Method and applications: a clinical approach**Satellite Symposium organised by Toshiba Medical Systems****Chairpersons: H.-J. Nesser (Linz, AT); J. Gorcsan (Pittsburgh, US)**

- | | | |
|-------|--|-----|
| 12:45 | <i>Dyssynchrony imaging: an introduction and clinical experience.</i>
G. Fernandez (Madrid, ES) | 788 |
| 13:00 | <i>Dyssynchrony imaging in cardiac resynchronisation therapy.</i>
T. Buck (Essen, DE) | 789 |
| 13:15 | <i>Detection of diastolic abnormality by displacement imaging (DADI):
a noninvasive, non-provocative approach to the detection of coronary
artery disease.</i>
M. Uematsu (Amagasaki, JP) | 790 |
| 13:24 | <i>New steps in cardiac function analysis: 2 dimensional strain analysis
and initial clinical experience.</i>
J. Gorcsan (Pittsburgh, US) | 791 |

12:45 - 13:45

JANACEK

Contrast - Illuminating ultrasound**Satellite Symposium organised by Bristol-Myers Squibb Medical Imaging****Chairpersons: M. Vannan (Orange, US); R. Senior (Harrow, GB)**

- | | | |
|-------|--|-----|
| 12:45 | <i>Welcome and introduction to the faculty.</i>
M. Vannan (Orange, US), R. Senior (Harrow, GB) | 793 |
| 12:50 | <i>The clinical importance of contrast in echocardiography (including ICU, CCU).</i>
M. Vannan (Orange, US) | 794 |
| 13:05 | <i>Significant impact on further diagnostic testing in stress echocardiography.</i>
A. De Maria (San Diego, US) | 795 |
| 13:20 | <i>Emerging roles for the use of contrast ultrasound.</i>
J.M. Tsutsui (Sao Paulo, BR) | 796 |
| 13:35 | <i>Summarising the clinical opportunity for contrast in Europe.</i>
R. Senior (Harrow, GB) | 797 |
| 13:40 | <i>Conclusions, thanks and close.</i>
M. Vannan (Orange, US), R. Senior (Harrow, GB) | |

12:45 - 13:45

MARTINU

EUROECHO Lecture**Chairpersons: A.G. Fraser (Cardiff, GB); P. Nihoyannopoulos (London, GB)**

- | | | |
|-------|---|-----|
| 12:45 | <i>Echocardiography: Guiding the path from proteins to people.</i>
H. Rakowski (Toronto, CA) | 798 |
|-------|---|-----|



14:00 - 15:30

MOZART

Pericardial structure, function and diseases: a multimodality approach**Chairpersons: J. Schwitler (Zurich, CH); P. Podolec (Krakow, PL)**

- | | | |
|-------|--|-----|
| 14:00 | Structure and function of the normal pericardium. | 799 |
| | S.Y. Ho (London, GB) | |
| 14:18 | Echocardiography of pericardial diseases. | 800 |
| | J.K. Oh (Rochester, US) | |
| 14:36 | X-ray computed tomography. | 801 |
| | M. Oudkerk (Groningen, NL) | |
| 14:54 | Magnetic resonance imaging. | 802 |
| | J. Schwitler (Zurich, CH) | |
| 15:12 | Can cardiac catheterisation give better information? | 803 |
| | J. Soler-Soler (Barcelona, ES) | |

14:00 - 15:30

DVORAK

Congenital diseases of the right heart**The right heart and pulmonary circulation III****Joint session with the Association for European Paediatric Cardiology (AEPC)****Chairpersons: L. Mertens (Leuven, BE); J. Popelova (Prague, CZ)**

- | | | |
|-------|---|-----|
| 14:00 | Diseases of the right heart valves. | 804 |
| | P. Acar (Toulouse, FR) | |
| 14:22 | Chronic volume overload, causes and consequences. | 805 |
| | A. Ludomirsky (St Louis, US) | |
| 14:44 | The systemic right ventricle. | 806 |
| | M.F. Vogel (Munich, DE) | |
| 15:06 | Complex disease, tricuspid atresia and univentricular hearts. | 807 |
| | S.P. Sanders (Rome, IT) | |

14:00 - 15:30

SMETANA

The diabetic heart**Mini-theme, Heart in Endocrine Disease III****Chairpersons: H. von Bibra (Munich, DE); C.A. Visser (Amsterdam, NL)**

- | | | |
|-------|--|-----|
| 14:00 | Progress in diabetology, the case for optimal control. | 808 |
| | H. von Bibra (Munich, DE) | |
| 14:18 | Early diagnosis of diabetic heart muscle disease. | 809 |
| | N.H. Andersen (Aarhus, DK) | |
| 14:36 | Microvascular ischaemia and coronary flow reserve. | 810 |
| | M. Galderisi (Naples, IT) | |
| 14:54 | Identifying coronary artery disease in diabetic patients. | 811 |
| | T.H. Marwick (Brisbane, AU) | |
| 15:12 | Predicting risk and demonstrating benefits from treatment. | 812 |
| | F. Wackers (New Haven, US) | |

14:00 - 15:30

JANACEK

Native valve diseases**DICE session****Danish Working Group on Echocardiography****Chairpersons: C. Hassager (Copenhagen, DK); G. Van Camp (Brussels, BE)**

- | | | |
|-------|--|-----|
| 14:00 | Traumatic heart disease in a child.
J. Kjaergaard (Copenhagen, DK) | 813 |
| 14:11 | Excentric aortic regurgitation. Can severity be measured or should we flip a coin?
T.F. Hansen (Hellerup, DK) | 814 |
| 14:22 | CAG in a patient with aortic valve endocarditis.
H. Egeblad (Aarhus N, DK) | 815 |
| 14:33 | Bicuspid aortic valve and associated conditions. Lining up the usual and unusual suspects.
N.B. Host (Copenhagen, DK) | 816 |
| 14:44 | Determination of LV function in a patient with aortic valve stenosis.
P. Sogaard (Hellerup, DK) | 817 |
| 14:55 | Coronary embolism due to floppy mitral valve disease or a papillary fibroelastoma.
S.H. Poulsen (Aarhus, DK) | 818 |
| 15:06 | A problem with a pulmonary valve.
O.W. Nielsen (Copenhagen, DK) | 819 |
| 15:18 | What is wrong with that valve?
L. Kober (Copenhagen, DK) | 820 |

14:00 - 15:30

MARTINU

The essentials of stress, contrast and 3-D echocardiography**Teaching Course****Chairpersons: C. Erol (Ankara, TR); G. Athanassopoulos (Pireas, GR)**

- | | | |
|-------|--|-----|
| 14:00 | Anatomy of the tricuspid valve: specimen and echo.
S.Y. Ho (London, GB) | 821 |
| 14:22 | Echocardiographic evaluation of the tricuspid valve.
L.D. Gillam (Hartford, US) | 822 |
| 14:45 | RV Doppler.
L. Hatle (Calonge, ES) | 823 |
| 15:06 | Pulmonary embolism.
M. Pepi (Milan, IT) | 824 |

14:00 - 15:30

NOVAK

Pathophysiology of LV Hypertrophy in Hypertension**Oral Abstract session****Chairpersons: K. Wachtell (Copenhagen, DK); M. Kozakova (Pisa, IT)**

- | | | |
|-------|--|-----|
| 14:00 | Regression of left ventricular hypertrophy in patients with fabry cardiomyopathy during long term enzyme replacement therapy., The impact of the baseline conditions.
F. Weidemann, M. Niemann, F. Breunig, S. Herrmann, C. Wanner, W. Voelker G. Ertl, J.M. Strotmann (Wurzburg, DE) | 825 |
|-------|--|-----|



14:00 - 15:30

NOVAK

- 14:15 **The change of cardiac troponins in patients with chronic renal failure overtime and its relationship with left ventricular mass index. The results of two years follow-up.** 826
E. Seyfeli, A. Abaci, E. Ekici, A. Oguzhan, B. Tokgoz, F. Yalcin, C. Utas (Antakya/Hatay, Ankara, Kayseri, TR)
- 14:30 **Regional left ventricular deformation and geometry in mild to moderate hypertension.** 827
A.T. Baltabaeva, M. Marciniak, B. Bijmens, F. He, G. Macgregor, G.R. Sutherland (London, GB)
- 14:45 **Association between daytime blood pressure variability and left ventricular geometry in white-coat hypertension.** 828
V. Barberis, G. Vyssoulis, E. Karpanou, K. Aznaouridis, A. Zervoudaki, D. Cokkinos, C. Stefanadis (Athens, GR)
- 15:00 **Doppler-derived indexes and B-type natriuretic peptide in prediction of paroxysmal atrial fibrillation in essential hypertension. A prospective study.** 829
H. Badran, M.A. Eid (Tanta, EG)
- 15:15 **Coronary blood flow, Longitudinal function of left ventricle and cytokines' levels in hypertrophic patients.** 830
E. Pavlyukova, T. Suslova, R. Karpov (Tomsk, RU)

14:00 - 15:30

SUK

Accreditation in echocardiography**Special Session****Chairpersons: B.A. Popescu (Bucharest, RO); J.D. Kneeshaw (Cambridge, GB)**

- 14:00 **The need for accreditation.** 831
F.J. Pinto (Lisbon, PT)
- 14:22 **Individual accreditation.** 832
P.G. Mills (London, GB)
- 14:45 **Laboratory accreditation: The ACAEL model.** 833
R. Castello (Jacksonville, US)
- 15:07 **EAE recommendations for echo lab accreditation.** 834
P. Nihoyannopoulos (London, GB)

COFFEE BREAK**More information on Moderated Posters and Posters sessions page 114**

16:30 - 18:00

MOZART

Stress echocardiography beyond wall motion**Joint session with the Echocardiography Council of the inter-American Society of Cardiology****Chairpersons: W. Mathias (Sao Paulo, BR); F. Rigo (Mestre, IT)**

- | | | |
|-------|--|-----|
| 16:30 | Coronary flow reserve. | 980 |
| | J.A. Lowenstein (Buenos Aires, AR) | |
| 16:48 | Diastolic function. | 981 |
| | C.F. Madler (Cardiff, GB) | |
| 17:06 | Myocardial perfusion by contrast. | 982 |
| | R.E. Ronderos (La Plata, AR) | |
| 17:24 | Atrioventricular compliance and pulmonary hypertension. | 983 |
| | E. Schwammenthal (Tel Hashomer, IL) | |
| 17:42 | Dynamic dyssynchrony. | 984 |
| | G. Athanassopoulos (Athens, GR) | |

16:30 - 18:00

DVORAK

Diseases of the pulmonary circulation - The right heart and pulmonary circulation IV**Joint session with the WG on pulmonary circulation and RV function**

**Supported by Actelion Pharmaceuticals Ltd
in the form of an Unrestricted Educational Grant**

Chairpersons: G Simonneau (Clamart Cedex, FR); G.A Derumeaux (Bron Cedex, FR)

- | | | |
|-------|--|-----|
| 16:30 | Pulmonary hypertension. | 985 |
| | J. Gibbs (London, GB) | |
| 16:52 | The right heart in chronic lung disease. | 986 |
| | A.G. Fraser (Cardiff, GB) | |
| 17:15 | Echocardiographic prognostic indices in pulmonary hypertension. | 987 |
| | G. Habib (Marseille, FR) | |
| 17:37 | Screening for pulmonary hypertension. | 988 |
| | A. Torbicki (Warsaw, PL) | |

16:30 - 18:00

SMETANA

Myocardial fibrosis, a new target for non-invasive imaging.**Chairpersons: T.H. Marwick (Brisbane, AU); S.H. Poulsen (Hinnerup, DK)**

- | | | |
|-------|--|-----|
| 16:30 | Triggers, mechanisms and consequences. | 989 |
| | S. Heymans (Maastricht, NL) | |
| 16:52 | Surrogate echocardiographic measurements, integrated backscatter. | 990 |
| | V. Di Bello (Pisa, IT) | |
| 17:14 | Surrogate echocardiographic measurements, tissue Doppler. | 991 |
| | W.A. Zoghbi (Houston, US) | |
| 17:37 | Gadolinium late enhancement by MR. | 992 |
| | J. Moon (London, GB) | |



16:30 - 18:00

JANACEK

Prosthetic valve dysfunction

DICE session

Working Group on Echocardiography of the Canadian Society of Cardiology.**Chairpersons: P. Pibarot (Sainte Foy, CA); P. Hoffman (Warsaw, PL)**

- | | | |
|-------|---|-----|
| 16:30 | Persistence of symptoms after aortic valve replacement.
P. Pibarot (Sainte Foy, CA) | 993 |
| 16:43 | High gradient across a mitral prosthesis: dysfunction or something else?
M. Arsenault (sainte Foy, CA) | 994 |
| 16:56 | Stress echocardiography in a patient with the Ross operation.
P. Pibarot (Sainte Foy, CA) | 995 |
| 17:09 | The valve is leaking: usefulness of echo in the diagnosis and treatment case#1.
A. Basmadjian (Montreal, CA) | 996 |
| 17:22 | The valve is leaking: usefulness of echo in the diagnosis and treatment case#2.
A. Basmadjian (Montreal, CA) | 997 |
| 17:35 | High gradient across an aortic bioprosthetic valve.
M. Arsenault (sainte Foy, CA) | 998 |
| 17:48 | Presence of severe regurgitation immediately after prosthesis implantation.
A. Rochon (Montreal, CA) | 999 |

16:30 - 18:00

MARTINU

Echocardiography in cardiac emergencies Teaching Course**Chairpersons: M. Pepi (Milan, IT); E. Mandysova (Prague, CZ)**

- | | | |
|-------|---|------|
| 16:30 | Essentials of Echo in tamponade and construction.
T. Binder (Vienna, AT) | 1000 |
| 16:52 | Basics on stress echo.
R. Sicari (Pisa, IT) | 1001 |
| 17:15 | Basics on contrasts.
P. Colonna (Bari, IT) | 1002 |
| 17:37 | Basics on 3-D.
M.J. Monaghan (London, GB) | 1003 |

16:30 - 18:00

NOVAK

New modalities of stress echocardiography Oral Abstract session**Chairpersons: L. Cortigiani (Lucca, IT); D. Poldermans (Rotterdam, NL)**

- | | | |
|-------|---|------|
| 16:30 | Three dimensional parametric contractility assessment during dobutamine stress echocardiography at patients suspected of coronary artery disease.
P. Scislo, J. Kochanowski, R. Piatkowski, G. Opolski (Warsaw, PL) | 1004 |
| 16:45 | Transthoracic real-time three-dimensional bicycle stress echocardiography Comparison of this new technique with conventional two-dimensional bicycle stress echo.
H. Lethen, HP. Tries, F. Zuercher, H. Lambertz (Wiesbaden, DE) | 1005 |

16:30 - 18:00

NOVAK

- 17:00 *Real-time three-dimensional dobutamine stress echocardiography in detection of myocardial ischemia, validation with coronary angiography.* 1006
G. Giannopoulos, E. Christoforatu, C. Aggeli, G. Roussakis, C. Kokkinakis, S. Brili, C. Stefanadis (Athens, GR)
- 17:15 *Contrast agent supported real time 3D Stress-Echocardiography for detection of relevant coronary heart disease.* 1007
G.H. Wasmeier, J.U. Voigt, C. Rost, F.A. Flachskampf, W.G. Daniel (Erlangen, DE, Leuven, BE)
- 17:30 *Comparison of diagnostic value of stress real-time myocardial contrast echocardiography and gated single-photon emission computed tomography in patients with suspected coronary artery disease.* 1008
P. Lipiec, P. Wejner-Mik, M. Krzeminska-Pakula, J. Drozd, J. Kusmirek, A. Plachcinska, R. Szuminski, J.D. Kasprzak (Lodz, PL)
- 17:45 *Rapid atrial and ventricular pacing stress echocardiography in coronary artery disease: an alternative technique of stress testing- final results of Polish multicenter study Pol-RAPSE.* 1009
E. Plonska-Gosciniak, J. Kasprzak, A. Kleinrok, T. Rozpara, B. Larysz, A. Gozdzik, Z. Gasior, A. Gackowski (Szczecin, Lodz, Zamosc, Wroclaw, Katowice, Krakow, PL)



Posters must be set up between 08:00 and 08:30, removed between 12:30 and 13:00 and be on display between 08:30 and 12:30. The presenter should be present throughout the coffee break (10:00 - 11:00) in order to discuss the poster.

10:00 - 11:00

Moderated Posters 1

The following ten abstracts were chosen for their outstanding quality and will be discussed in a special area in the poster hall during the Moderated Poster Session chaired by the two above-mentioned chairpersons between 10:00 and 11:00.

New imaging modalities to evaluate viability after MI.

Chairpersons: N. Carrabba (Florence, IT); C. Coletta (Rome, IT)

Intensity of the cell inflammatory response and myocardial perfusion pattern by myocardial contrast echocardiography post acute coronary syndrome. 619

J. Azevedo, J. Monge, J. Cortez, L. Bronze, H. Custodio, I. Arroja, A. Aleixo, M.G. Morais (Lisbon, PT)

Comparison between noninvasive transthoracic coronary flow reserve and contrast cardiac magnetic resonance to identify myocardial recovery after anterir reperfused myocardial infarction. 620

R. Montisci, M. Ruscazio, F. Tona, C. Sarais, F. Corbetti, L. Cacciavillani, L. Meloni, S. Iliceto (Cagliari, Padua, IT)

Clinical value of echocardiographic assessment of coronary flow reserve after descending coronary artery stenting in unselected population. 621

R. Citro, A.G. Maione, E. Bossone, M.M. Patella, F. Marrara, G. Provenza, G. Gregorio, P. Voci (Salerno, Vallo Della Lucania, Cava Dei Tirreni, Rome, IT)

Noninvasive assessment of coronary flow reserve after elective stenting in patients with previous myocardial infarction: Relation to left ventricular recovery. 622

A. Djordjevic-Dikic, M. Ostojic, B. Beleslin, J. Stepanovic, V. Giga, B. Vujisic-Tesic, I. Nedeljkovic, S. Stojkovic (Belgrade, CS)

Extension and transmural entity of myocardial necrosis are mayor determinants of diastolic deceleration time impairment after acute myocardial function treated with primary coronary angioplasty. 623

R. Montisci, M. Ruscazio, F. Tona, C. Sarais, F. Corbetti, L. Cacciavillani, L. Meloni, S. Iliceto (Cagliari, Padua, IT)

Long term prognostic value of wall motion abnormalities during the recovery phase of dobutamine stress echocardiography. 624

S. Karagiannis, R. Vidakovic, H. Feringa, M. Dunkelgrun, R. Vandomburg, J.J. Bax, D.V. Cokkinos, D. Poldermans (Athens, GR, Rotterdam, Leiden, NL)

Perfusion assessment by myocardial contrast echocardiography and parametric imaging after primary angioplasty predicts late remodelling of left ventricle. 625

A.M.G. Almeida, C. David, H.M. Gabriel, P.C. Silva, A. Bordalo, C. Amaro, M.G. Lopes (Lisbon, PT)

Determinants of reverse left ventricular remodelling after acute myocardial infarction. 626

S. Funaro, M. Madonna, F. Celani, E. Berardi, A. Labbadia, L. Agati (Campobasso, Rome, IT)

Assessment of the extent of prior myocardial infarction by echocardiographic strain mapping: validation using magnetic resonance imaging. 627

M.M. Kylmala, M. Antila, H. Hanninen, P. Vesterinen, S. Kivisto, K. Lauerma, L. Toivonen, M. Laine (Helsinki, FI)

10:00 - 11:00

Moderated Posters 1

Radial and circumferential strain estimation from CINE MR sequences.

628

E. Perez-David, M.A. Garcia Fernandez, M.J. Ledesma, A. Bajo, C. Santamarta,
A. Santos, J. Lafuente, M. Desco (Majadahonda-Madrid, ES)

M
O
R
N
I
N
G

P
O
S
T
E
R
S



10:00 - 11:00

Moderated Posters 2

The following ten abstracts were chosen for their outstanding quality and will be discussed in a special area in the poster hall during the Moderated Poster Session chaired by the two above-mentioned chairpersons between 10:00 and 11:00.

Real-time 3D echo of the mitral valve and ventricular function.

Chairpersons: S.G. Ray (Manchester, GB); G. La Canna (Milan, IT)

Validation of real-time 3D echocardiography study protocol in identification of anatomic mitral regurgitant defect in patients with prolapse or flail. 629

E. Agricola, M. Pisani, M. Oppizzi, A. Meris, A. Margonato (Milan, IT)

Three-dimensional versus two-dimensional echocardiography in mitral valve repair. 630

R. Garcia Orta, E. Moreno, M. Vidal, MF. Ruiz, JM. Oyonarte, J. Lara, T. Moreno, J. Azpitarte (Granada, ES)

Comparison of 2DTEE vs 3DTEE in identification of individual scallop prolapse of the mitral valve. 631

G. Tamborini, M. Pepi, M. Muratori, CA. Galli, A. Maltagliati, E. Sisillo, M. Zanobini (Milan, IT)

Assessment of mitral regurgitation mechanism. Three-dimensional transesophageal echocardiographic study. 632

A.T. Ionac, C. Mornos, D. Cozma, S. Pescariu, A. Dragulescu, I. Popescu, M. Cocora, S.I. Dragulescu (Timisoara, RO)

Improvement of the comprehensive analysis of mitral regurgitant jet with live three-dimensional colour-flow Doppler. 633

T. Le Tourneau, A.S. Polge, M. Richardson, S. Pouwels, G. Fayad, A. Vincentelli, C. Bauters, G. Deklunder (Lille, FR)

Incremental value of contrast-enhanced simplified 3D echocardiography. 634

N.L. Hashemi, N. Hashemi, A. Manouras, L.B. Brodin, R. Winter (Solna, Stockholm, SE)

Regional left ventricular systolic function in dilated cardiomyopathy: A real-time three dimensional echocardiographic study. 635

O.I. Soliman, M.L. Geleijnse, A.M. Anwar, A. Nemes, W.B. Vletter, F.J. Ten Cate (Rotterdam, NL)

Assessment of left atrial function: A real-time 3-D Echocardiography study. 636

O.I. Soliman, A.M. Anwar, A. Nemes, M.L. Geleijnse, W.B. Vletter, F.J. Ten Cate (Rotterdam, NL)

Efficient quantification of the left ventricular volume using 3D-echocardiography. 637

M.M. Voormolen, B.J. Krenning, R.J. Van Geuns, C.T. Lancee, F.J. Ten Cate, J.R.T.C. Roelandt, A.F.W. Van Der Steen, N. De Jong (Rotterdam, NL)

Semi-automated 3D-echocardiography is superior to 2D-echocardiography for estimating LV mass in patients with and without wall motion abnormalities: comparison with cardiac magnetic resonance imaging. 638

J.-B. Le Polain de Waroux, A.C. Pouleur, D. Vancrayenest, A. Pasquet, B.L. Gerber, O. Gerard, P. Allain, J.L. Vanovershelde (Brussels, BE, Paris, FR)

Posters must be set up between 08:00 and 08:30, removed between 12:30 and 13:00 and be on display between 08:30 and 12:30. The presenter should be present throughout the coffee break (10:00 - 11:00) in order to discuss the poster.

08:30 - 12:30

Posters Session 3

Heart failure: pathophysiology and diagnosis.

Heart failure is related to increased LV preload rather than decreased LV ejection fraction(EF) in patients with progressive muscular dystrophy (PMD) and decreased LV systolic function. 639

J.R. Cho, J.S. Kim, S.J. Rim, S.W. Kang, Y.W. Yoon, B.K. Hong, H.M. Kwon, H.S. Kim (Seoul, KR)

Evaluation of mechanical dyssynchrony in dilated cardiomyopathy: idiopathic versus noncompaction of left ventricle. 640

M. Moshkani Farahani, M. Esmaeil Zadeh, A. Bagher Zadeh, Z. Ojaghi, A. Sadeghpour, N. Samiei (Tehran, IR)

Usefulness of diameter strain by using a two-dimensional tissue tracking technique for the evaluation of left ventricular dyssynchrony. 641

C. Takahashi-Moriwaki, T. Yamano, T. Kubo, Y. Tomobuchi, T. Hano, T. Akasaka (Wakayama, JP)

The value of tissue Doppler echocardiography in heart failure with atrial fibrillation. 642

M. Lengyel, M. Denes, A. Zorandi (Budapest, HU)

Echocardiography in arterial hypertension complicated with heart failure. 643

M. Tsverava, D. Tsverava, T. Chachukashvili, N. Gudushauri (Tbilisi, GE)

Tissue Doppler imaging in heart failure: sinus rhythm vs atrial fibrillation. 644

M. Lengyel, M. Denes, A. Zorandi (Budapest, HU)

Systolic function in patients with heart failure. Tissue Doppler study. 645

M. Kandziora, W. Biegalski, M. Michalski, R. Dankowski, A. Piatkowska, M. Wierzchowiecki, K. Poprawski (Poznan, PL)

Assessment of longitudinal shortening of the left ventricle in patients with heart failure and preserved ejection fraction. 646

E. Larraudogoitia Zaldumbide, S. Velasco, J.J. Onaindia, A. Subinas, J. Zumalde, A. Salcedo, J.R. Rumoroso, I. Lekuona (Galdakao, ES)

Does chronic kidney disease alter cardiac geometry and function in patients with chronic heart failure? 647

C. Bruch, H. Reinecke, J. Sindermann, T. Wichter (Munster, DE)

Ultrasound lung comets for differential diagnosis of dyspnea: comparison with plasma cardiac peptides. 648

L. Gargani, G. Soldati, F. Frassi, M. Agrusta, P. Tesorio, G. Mottola, E. Picano (Pisa, Lucca, Mercogliano, IT)

Echocardiographic findings correlate with the degree of BNP elevation: Is it always true? 649

S. Pitta, S.R. Pitta, R.H. Hourani, J. Chu, M.G. Guglin (Farmington Hills, Detroit, US)

Comparative analysis of three BNP assays in community assessment of LV systolic dysfunction: a cost-saving tool. 650

S. Modi, A. Clarke, C. Russell, K. Heathcote, S. Bowles, J. Somauroo (Wirral, Chester, GB)



08:30 - 12:30

Posters Session 3

- Improvement of TDI Pulmonary Capillary Wedge Pressure and NT-proBNP: prognostic evaluation in heart failure patients. 651
F. Cappelli, A. Bernei, I. Cecioni, L. Bitossi, B. Cappelli, L. Toncelli, G. Galanti, L. Poggesi (Scandicci, Florence, IT)
- Relationship of exercise capacity with left ventricular and atrial performance in heart failure. 652
A.C.T. Rodrigues, L. Ueno, G. Lorenzi Fo, CE. Negrao, W. Mathias Jr (Sao Paulo, BR)
- Dobutamine stress echocardiography predicts exercise tolerance and BNP levels in patients with chronic congestive heart failure. 653
O. Ciampi, M. Della Porta, B. Petruzzello, E. Barbato, V. Manganiello, S. Caputo, C. Astarita, B. Villari (Benevento, Caserta, Sorrento, IT)
- Isovolumic systolic indices by Doppler tissue imaging are related to exercise capacity in dilated cardiomyopathy. 654
G. Karatasakis, A. Dimopoulos, E. Papadakis, A. Dritsas, G. Athanassopoulos, C. Spargias, D.V. Cokkinos (Athens, GR)
- Determinants of exercise-induced pulmonary hypertension in patients with heart failure and systolic left ventricular dysfunction. 655
P. Lancellotti, G. Tumminello, D. Karsera, L.A. Pierard (Liege, BE)
- Functional capacity is related to contractile reserve in patients with left ventricular dysfunction. 656
R. Natali, G. Di Giannuario, M. Lotrionte, M. Savino, G. Comerci, B. Garramone, A. Lombardo, F. Loperfido (Rome, IT)
- Use of echocardiography in the management of congestive heart failure. 657
H. Mahjoub, F. Levy, L. Kesri, C. Durier, D. Houpe, M. Beguin, M. Peltier, C. Tribouilloy (Amiens, FR)
- Autologous mononuclear bone marrow cells in acute myocardial infarction. 658
V. Ryabov, T. Suslova, V. Markov, U. Poponina, S. Popov, R. Karpov (Tomsk, RU)
- Safety of rapid carvedilol uptitration in patients with left ventricular systolic dysfunction. 659
M. Alhama Belotto, T. Datino, N. Barrueco, I. Castillo, M. Martinez-Selles (Madrid, ES)
- The effect of beta-blocker (Carvedilol) therapy on N-Terminal pro-brain natriuretic peptide levels and echocardiographic findings in patients with congestive heart failure. 660
H. Senocak, F. Gundogdu, E. Bozkurt, A. Kiziltunc, S. Sevimli, S. Arslan, H.Y. Gurlertop, S. Karakelleoglu (Erzurum, Ankara, TR)
- Levosimendan Improves Left Atrial Functions in Patients with ischaemic Heart Failure. 661
H. Duygu, F. Ozerkan, S. Nalbantgil, M. Zoghi, C. Gurgun (Izmir, TR)
- Effect of Levosimendan on E/E' Ratio in Patients with ischaemic Heart Failure. 662
H. Duygu, F. Ozerkan, S. Nalbantgil, M. Zoghi, A. Akilli, M. Akin, S. Payzin (Izmir, TR)
- Single centre preliminary results of short-term effects of percutaneous left ventricular restoration in patients with chronic heart failure. 663
P. Otasevic, D. Sagic, Z. Antonic, S. Nikolic, A. Khairkakan, S. Gradinac (Belgrade, CS, Redwood City, US)
- Treatment with erythropoietin improves left ventricular systolic performance and mitral regurgitation in patients with heart failure and chronic kidney disease. 664
B. Cosyns, S. Velez Roa, M. Mantia, P. Lancellotti, L. Pierard (Braine L Alleud, Liege, BE)

- Baseline ejection fraction is a mainstay of early mortality prognostic score in acute pulmonary edema. 665
J.D. Kasprzak, M. Fiutowski, A. Smialowski, T. Waszyrowski, E. Trzos, M. Kurpesa, J. Drozd, M. Krzeminska-Pakula, J.D. Kasprzak (Lodz, PL)
- The prognostic value of ultrasound lung comets in patients with dyspnea and/or chest pain. 666
F. Frassi, L. Gargani, M. Agrusta, M. Raciti, R. Sicari, P. Tesorio, G. Mottola, E. Picano (Pisa, Mercogliano, IT)
- Global ventricular asynchrony and mortality in patients with stable heart failure. 667
R. Citro, A. D' Andrea, V. Ducceschi, M.M. Patella, M. Santoro, G. Provenza, G. Gregorio, R. Calabro (Salerno, Vallo Della Lucania, Naples, IT)
- Intramyocardial late gadolinium enhancement predicts cardiac mortality and hospitalisation in patients with dilated cardiomyopathy. 668
M. Nadal, J. Estornell, V. Jacas, A. Laynez, R. Romeguera, A. Trigo, A. Valle, F. Ridocci (Valencia, ES)
- The prognostic importance of secondary pulmonary hypertension in heart failure. 669
J. Kjaergaard, D. Akkan, K.K. Iversen, L. Kober, C. Torp-Pedersen, C. Hassager (Copenhagen, DK)
- MPI is valuable index early after myocardial infarction but doubtful in long term prognosis of heart failure development. 670
V. Celic, M. Dekleva, B. Pencic, N. Radivojevic, S. Jelic (Belgrade, CS)
- Prognostic value of left and right ventricular dysfunction in heart failure patients. 671
W. Biegalski, K. Poprawski, M. Kandziora, M. Michalski, R. Dankowski, A. Piatkowska, K. Szymanowska, M. Wierzchowiecki (Poznan, PL)
- Is systolic function related to diastolic function in patients with heart failure and normal ejection fraction? 672
M. Kandziora, M. Michalski, W. Biegalski, R. Dankowski, A. Piatkowska, K. Poprawski, M. Wierzchowiecki (Poznan, PL)
- Tissue Doppler imaging in heart failure with preserved systolic function. 673
M. Lengyel, M. Denes, A. Zorandi (Budapest, HU)
- Hypertension and LV hypertrophy.**
- The changes of peripheral blood flow and flow-mediated dilation in hypertensive patients with chronic heart failure under treatment with carvedilol. 674
I. Shkurat (Kiev, UA)
- Left ventricular longitudinal function in hypertensive patients with left ventricular hypertrophy regression. 675
E. Pavlyukova, T. Bahmetiva, R. Karpov (Tomsk, RU)
- Uremia have more serious myocardial dysfunction compared to hypertension or diabetes. 676
H.O. Jung, H.J. Park, C.S. Park, E.J. Cho, H.K. Jeon, H.J. Youn, S.H. Baek, K.B. Seung (Seoul, KR)
- Filling pressures and deformation parameters in hypertension and in diastolic dysfunction. 677
H. Pavlopoulos, M. Liodakis, R. Showkathali, M. Tayebjee, I. Grapsa, I. Cabrita, E. Philippou, P. Nihoyannopoulos (London, GB)



08:30 - 12:30

Posters Session 3

- Left ventricular hypertrophy diagnosed by the new criteria in hypertensive patients. 678
E. Laraudogoitia Zaldumbide, S. Velasco, J. Zumalde, J.J. Onaindia, A. Salcedo, J.R. Rumoroso, M. Eneriz, M. Morillas (Galdakao, Vizcaya, ES)
- Different type of left ventricle hypertrophy and prognosis of patient with arterial hypertension and ischaemic heart disease. 679
A. Ibatov (Moscow, RU)
- The association of Tissue Doppler Imaging with cardiac mass index in hypertensive patients. 680
A. Kartalis, N. Smyrnioudis, J. Georgiadis, P. Voutas, P. Sgourakis, M. Patinioti, S. Veioglanis, G. Georgiopoulos (Chios, GR)
- Estimation of aortic compliance, left ventricular remodelling and diastolic dysfunction relation in hypertensive patients. 681
A. Stevanovic, M. Dekleva, B. Pencic, L.J. Sevic, V. Andric (Belgrade, CS)
- Impact of leptin levels upon left ventricular structural abnormalities in non-insulin dependent diabetics. 682
G. Nasr, D. Abdelhaleem, M. Sheir, H. Abd Elaziz, A. Elbaz, M. Elbarbary (Ismailia, EG)
- Radial deformation properties of left ventricle in patients with concentric hypertrophy and relaxation impairment: an echocardiographic study using speckle tracking. 683
M.S. Yilmazer, A. Aydin, S. Altinmakas, B. Dagdeviren, H. Tezel (Istanbul, TR)
- Time interval between the onset of mitral inflow and mitral annular motion to evaluate left ventricular filling pressure and its correlation with NT-proBNP in patients with essential hypertension. 684
E. Tenekecioglu, K. Altan, F. Kumak, A. Bekler, F. Akyazici, M. Yilmaz (Bursa, TR)
- Left Ventricular index of stiffness- a potential mechanism for differentiating hypertrophic cardiomyopathy and left ventricular hypertrophy. 685
G. Abdalla, G.A. Abdalla (Dublin, IE)
- Patients with arterial hypertension and no coronary heart disease had subclinical left ventricular dysfunction as assessed by tissue Doppler echocardiography. 686
N. Niculescu, C. Gherghinescu, M. Cinteza, CF. Madler, AG. Fraser, D. Vinereanu (Bucharest, RO, Cardiff, GB)
- Filling pressure is increased in hypertensive patients with left ventricular concentric geometry: a Tissue Doppler evaluation. 687
M. Galderisi, P. Innelly, M. Galderisi, A. D'errico, F. Marra, R. Sanchez, G. De Simone, O. De Divitiis (Naples, IT)
- Prevalence of sleep-disordered breathing and its impact on left ventricular remodelling in patients with essential hypertension. 688
O. Korzh, S. Krasnokutskiy (Kharkov, UA)
- Prognostic value of Doppler tissue imaging regional analysis in hypertension. 689
J. Galvao, J. Monge, J. Abecassis, A. Oliveira Anao, L. Bronze, H. Custodio, J. Azevedo, A. Aleixo (Lisbon, PT)
- Proximal aortic stiffening is a major determinant of left ventricular hypertrophy and diastolic dysfunction in end stage renal disease. 690
A. Patrianakos, A.P. Patrianakos, F.I. Parthenakis, D.I. Karakitsos, E. De Groot, V. Lathourakis, E. Daphnis, PE. Vardas (Heraklion, Crete, GR; Amsterdam, NL)

Vascular function.

- Intracardiac echocardiography for conservative aortic valve surgery: A new investigative tool. 691
F. Raoux, R. Dumaine, I. Di Centa, P. Nataf, A. Cohen, E. Lansac (Paris, Boulogne, FR)
- Atherosclerosis of the aorta by Transoesophageal Echocardiography: severity, location and clinical implications. Results from the ARTE registry. 692
R.J. Aguilar Torres, R. Aguilar, A. Evangelista, M.A. Garcia-Fernandez, V. Sanchez, F. Calvo, P. Gallego, M. Mateos, E. Laraudogoitia (Barcelona, Madrid, Vigo, Seville, Vizcaya, ES)
- Increased aortic stiffness in glycogenosis type 2 (Pompe's disease). 693
A. Nemes, M.L. Geleijnse, N. Van Der Beek, P.A. Van Doorn, O. Soliman, E. Csajbok, H. Gavaller, F.J. Ten Cate (Rotterdam, NL, Szeged, HU)
- Reduced vascular compliance appears to be the first manifestation of premature cardiovascular disease in chronic kidney disease. 694
N.C. Edwards, C.J. Ferro, J.N. Townend, R.P. Steeds (Birmingham, GB)
- Relationship between structural changes of large artery and echocardiographic parameters and the state of peripheral circulation in patients with essential hypertension. 695
I. Shkurat (Kiev, UA)
- Stunned endothelium assessed by FMD, does it exist? 696
K. Mizia-Stec, M. Mizia, S. Gomulka, Z. Gasior, P. Kumor, A. Niedojadlo (Katowice, PL)
- Carotid artery remodelling in acute coronary syndromes: Correlation with high sensitivity c-reactive protein levels. 697
M.F. Elnoamany, H. Mahfouz, A. Dawood, S. Shoaib, E. Shawky (Shebin Elkom, Cairo, EG)
- Inhibition of Interleukin-1 activity improves coronary flow, endothelial function and aortic wall properties: a randomized cross-over, placebo-controlled, trial. 698
I. Ikonomidis, J. Lekakis, M. Nikolaou, G. Skarantavos, T. Kaplanoglou, P. Katsibri, I. Paraskevaïdis, DT. Kremastinos (Athens, GR)
- Obesity is associated with aortic enlargement and increased stiffness. 699
H. Gavaller, E. Csajbok, T. Forster, M. Csanady, A. Nemes (Szeged, HU)
- Complex versus simple iatrogenic pseudoaneurysms treatment with ultrasound guided thrombin injection. 700
A. Duszanska, B. Dziobek, W. Streb, M. Swierad, T. Kukulski, L. Polonski, Z. Kalarus (Gliwice, Zabrze, PL)
- The interplay of brain natriuretic peptide and arterial stiffness as a step towards paroxysmal atrial fibrillation in hypertensive subjects. 701
C. Katsaris, C. Tsioufis, I. Skiadas, P. Missovoloulos, E. Vezali, A. Katsimichas, C. Stefanadis, I. Kallikazaros (Athens, GR)
- Carotid intima-media thickness in peri- and postmenopausal women with suspected coronary artery disease. 702
A. Kablak-Ziembicka, T. Przewlocki, P. Pieniazek, P. Musialek, I. Stopa, D. Rzeznik, W. Tracz (Krakow, PL)
- Aortic root dilatation in obstructive sleep apnoea syndrome. 703
C. Meuleman, F. Boccara, S. Ederhy, S. Janower, F. Raoux, N. Hammoudi, B. Fleury, A. Cohen (Paris, FR)



08:30 - 12:30

Posters Session 3

- Improving prognostic risk stratification with cardiac testing in peripheral arterial disease. 704
H.H. Feringa, S. Karagiannis, R. Vidakovic, A. Elhendy, R. Van Domburg, J.J. Bax, D. Poldermans (Rotterdam, NL, Omaha, US, Leiden, NL)
- Saphenous vein grafts covered by experimental, external Dacron stent: volumetric intravascular ultrasound plaque assessment. 705
P. Weglarz, A. Filipceki, J. Drzewiecki, M. Trusz-Gluza, M. Krejca, A. Bochenek, J. Dijkstra, J. Reiber (Katowice, PL, Leiden, NL)
- The possibilities for ultrasonic investigation regarding endothelial function as a check up for treatment efficacy in Arterial Hypertensive patients. 706
I.Y. Korobko (Minsk, BY)
- Relationship between carotid intima media thickness, cytokines and multilevel atherosclerosis. 707
A. Kablak-Ziemicka, T. Przewlocki, W. Tracz, P. Pieniazek, A. Undas, E. Stepien (Krakow, PL)
- Local arterial wave speed at carotid artery level is representative of carotido-femoral pulse wave velocity and aortic stiffness: evidence by a new echo-tracking approach. 708
E. Malshi, C. Morizzo, M. Florescu, M. Kozakova, G. Chitano, D. Vinereanu, A. Distant, C. Palombo (Pisa, IT, Bucharest, RO, Brindisi, IT)
- Comparison of feasibility and accuracy of transthoracic echocardiography vs computed tomography in patients with ascending aortic aneurysm. 709
G. Tamborini, M. Pepi, G. Pontone, D. Andreini, CA. Galli, A. Maltagliati, G. Ballerini (Milan, IT)
- Aortic valve replacement for aortic stenosis is associated with improved aortic distensibility at long-term follow-up. 710
A. Nemes, T.W. Galema, M.L. Geleijnse, O. Soliman, A.M. Anwar, S.C. Yap, F.J. Ten Cate (Rotterdam, NL)
- Impact of Type II diabetes mellitus on aortic elastic properties in normotensive diabetics. Doppler tissue imaging study. 711
M.F. Elnoamany, H. Mahfouz, M. Elnoamany (Shebin Elkom, EG)
- Global myocardial function, aortic elastic properties and uteroplacental circulation in preeclamptic women using low dose aspirin. 712
G. Nasr, A. Nasr (Ismailia, Assuit, EG)
- Endothelial dysfunction in overweight patients with arterial hypertension. 713
A. Demidenko (Kharkiv, UA)
- Diabetes mellitus facilitates aortic stiffening in acromegaly. 714
H. Gavaller, E. Csajbok, C. Lengyel, T. Forster, M. Csanady, A. Nemes (Szeged, HU)
- Angiotensin-converting enzyme inhibitor, but not vitamin C, enhances nitrate-mediated dilation of brachial artery and reduces ischaemia in patients with coronary artery disease. 715
R. Dabrowski, T. Pasierski, C. Sosnowski, J. Wozniak, I. Kowalik, H. Szwed (Warsaw, PL)
- Endothelial function in type 2 diabetes mellitus is affected by glycation processes. 716(W)
Could carotid echo-tracking technique be useful in patients with aortic stenosis? 717
F. Antonini Canterin, C.C. Beladan, B.A. Popescu, A.C. Popescu, C. Ginghina, R. Piazza, E. Cervesato, G.L. Nicolosi (Pordenone, IT, Bucharest, RO)

- Impact of Type II diabetes mellitus on aortic elastic properties in normotensive diabetics. Doppler tissue imaging study. 718
H. Badran, MF. Elnoamany (Tanta, Shebin Elkom, EG)
- Color Doppler tissue imaging evaluation of the elastic properties of aorta in end-stage renal disease. 719
E. Foukarakis, A. Patrianakos, N. Kakoliris, P. Stasinou, G. Papailiakis, F. Parthenakis, P. Vardas (Heraklion, Ierapetra, Crete, GR)
- Increased arterial stiffness is associated with reduced coronary flow and coronary flow reserve in untreated patients with arterial hypertension. 720
I. Ikonomidis, J. Lekakis, E. Triantafyllidi, C. Papadopoulos, G. Georgoula, J. Paraskevaidis, DT. Kremastinos (Athens, GR)
- eTracking of carotid arteries as a new tool in evaluation of early functional vascular remodelling. 721
J. Jaroch, J.J. Jaroch, K.L-G. Lobo-Grudzien, A.K. Kowalska, A.W. Wojszwill, Z.B. Bociaga, E.K. Kruszynska, M.W. Woda (Wroclaw, PL)
- Prognostic value of carotid intima-media thickness in detection of coronary artery disease in patients with chronic renal failure treated with hemodialysis. 722
D. Rawicz-Zegrzda, M. Dudziak, A. Debska-Slizien, B. Rutkowski (Gdansk, PL)
- Deep venous thrombosis in children-etiological and diagnosis particularities. 723
M. Serban, I.A. Ghiorghiu, M. Iancu, A. Stoica, I. Arsenescu, M. Dumitru, V. Uscatescu, C. Ginghina (Bucharest, RO)
- Evaluation of mechanical arterial properties in patients with coronary vasoconstriction. 724
D. Miklan, J. Keller, Z.S. Sarszegi, B. Gaszner, A. Cziraki, L. Papp (Pecs, HU)
- New tools for diagnosing LV function.**
- Atrio-ventricular plane displacement as measure of canine systolic ventricular function. 725
K. Caidahl, M.J. Eriksson, M. Ring, M. Ohlander, N. Holmstrom, P. Jacobsson (Stockholm, Jarfalla, SE)
- Automated tracking of the mitral valve ring motion in apical echocardiographic images. 726
S.T. Nevo, M. Van Stralen, A.M. Vossepoel, J.H. Reiber, N. De Jong, A.F. Van Der Steen, J.G. Bosch (Rotterdam, Delft, Leiden, NL)
- Geometry-adjusted end-systolic elastance: increased contractility in women above the age of 50? 727
T. Claessens, E.R. Rietzschel, M.L. De Buyzere, P. Segers (Ghent, BE)
- A correlative study comparing current different methods of calculating left ventricular ejection fraction. 728
A. Gholamrezanezhad, S. Mirpour, M. Saghari, B. Fallahi, D. Beiki, A. Fard-Esfahani, M. Soheilifar (Tehran, IR)
- Noninvasive evaluation of the systolic left ventricular blood flow dynamics. 729
T. Uejima, H. Sawada, M. Tanaka, S. Ohtsuki, T. Okada, A. Harada (Tokyo, Sendai, JP)
- The length of aortic valve closure. 730
S. Aase, H. Torp, A. Stoylen (Trondheim, NO)
- Anatomic M-Mode measurements in children. 731
I. Germanakis, F. Parthenakis, R. Perakaki, PE. Vardas, M. Kalmanti (Heraklion Crete, GR)



08:30 - 12:30

Posters Session 3

M
O
R
N
I
N
G

P
O
S
T
E
R
S

Accurate timing of mitral valve opening by tissue Doppler imaging for an all in one beat analysis.	732
A. Opdahl, E.W. Remme, T. Helle-Valle, T. Vartdal, O.A. Smiseth (Oslo, NO)	
Have tissue Doppler parameters improved on conventional echocardiographic parameters for sequential evaluation of LV function?	733
T.H. Marwick, J.L. Hare, J. Brown, T.H. Marwick (Brisbane, AU)	
Early diastolic mitral annulus velocity at onset of filling- a new marker of cardiac suction.	734
A. Opdahl, E.W. Remme, T. Helle-Valle, T. Vartdal, E.W. Pettersen, M. Elstad, L. Walloe, O.A. Smiseth (Oslo, NO)	
Off-line analysis of colour tissue Doppler is a reliable alternative to pulsed wave tissue Doppler for detecting low myocardial velocities.	735
N.T. Olsen, T. Fritz-Hansen, P. Sogaard (Hellerup, DK)	
Mechanism behind pre- and postejection velocity spikes in normal left ventricular myocardium.	736
E.W. Remme, O.A. Smiseth, T. Helle-Valle, A. Opdahl, E. Pettersen, T. Vartdal, T. Edvardsen, E. Lyseggen (Oslo, NO)	
The effect of preload reduction by hemodialysis on conventional and novel parameters of left ventricular systolic and diastolic function.	737
T. Palecek, L. Skalicka, J. Lachmanova, V. Tesar, A. Linhart (Prague, CZ)	
Evaluation of global cardiac function in mouse and human with concentric left ventricular hypertrophy: the feasibility of myocardial performance index.	738
I.-S. Sohn, S.-J. Kim, M.-K. Kim, J.-M. Cho, C.-J. Kim, C.-W. Choue, K.-S. Kim, J.-H. Bae (Seoul, KR)	
Non-ischaeamic fibrosis can be reliably detected by a typical "Double peak sign" extracted from regional myocardial deformation curves.	739
F. Weidemann, M. Niemann, S. Herrmann, M. Kung, M. Beer, W. Voelker, B. Bijnens, J.M. Strotmann (Wurzburg, DE, London, GB)	
Is targeted, limited echocardiography a safe way to reduce waiting lists for cardiac ultrasound? A study using digital, centrally stored echocardiographic sequences.	740
A. Ionescu (Swansea, GB)	
Left ventricular dysfunction and metabolic syndrome in hospitalized patients.	741
S. La Carrubba, G. Pumilia, A. Puleo, S. Di Rosa (Palermo, IT)	
Systolic septal flattening as a sign of pulmonary hypertension varies with left ventricular dysfunction: A study in ventricular interaction.	742
M. Vaturi, M.D. Handschumacher, A. Sagie, R.A. Levine (Petach-Tikva, IL, Boston, US)	
TDI and left ventricle inferior wall motion: true or false hypokinesia?	743
E. Inches, M.N. Picardi, R. Scardala, B. Brasolin, R.E. Stio, T. Coppi, F. Fedele (Rome, IT)	
Crop till you drop, Defining the learning curve for 3D echocardiography.	744
T.H. Marwick, C. Jenkins, M.J. Monaghan, G. Shirali (Brisbane, AU, London, GB, Charleston, US)	
TDI velocities of tricuspid annulus are lower in patients with PTE compared with healthy controls.	745
R. Petkov, A. Nossikoff (Sofia, BG)	
Addition of spectral tissue Doppler imaging to enhance the detection of coronary artery disease in patients with peripheral artery disease.	746
T. Onishi, M.U. Uematsu, S.N. Nanto, O. Iida, H.A. Akahori, S.N. Nagata (Amagasaki, JP)	

- Effect of dobutamine on left ventricular long-axis function during the acute phase of anterior myocardial infarction. Experimental study. 747
S.T. Toumanidis, N.K. Tsirikos, AT. Kalantaridou, D.I. Chaniotis, G. Kottis, C.O. Trika, S.D. Mouloupoulos (Athens, GR)
- Peak systolic velocity not Tei index appears to be most reliable to differentiate coronary healthy subjects from those with coronary artery disease. 748
S.K. Saha, Y. Mobasser, R. Winter, J. Nowak, L.B.. Brodin (Stockholm, SE)
- Impedance cardiography (ICG)- clinical usefulness evaluation of the method in patients with coronary heart disease (CHD) in comparison with transthoracic echocardiography. 749
K. Nycz, M. Nosal, K. Polanski, G. Trybowski, P. Olejniczak, D. Sobczyk (Krakow, PL)
- Predictive value of pulsed tissue Doppler imaging derived variables to identify patients with acute inferior myocardial infarction with likelihood of significant multivessel coronary artery disease. 750
A.M.A. Hegazy, A.M. Hegazy, M.A.J. Akbar (Kuwait, KW)
- Quantitative assessment of longitudinal myocardial deformation by strain rate in acute anterior MI patients before and after successful primary PTCA. 751
E. Aksakal, Y. Gurlertop, S. Sevimli, S. Arslan, F. Gundogdu, M.K. Erol, H. Senocak, S. Karakelleoglu (Erzurum, TR)
- The role of isovolumic contraction parameters in patients with ischaemic cardiomyopathy subjected to cardiopulmonary exercise test. 752
P. Rubis, P. Podolec, L. Tomkiewicz-Pajak, W. Plazak, G. Kopec, M. Pieculewicz, W. Tracz (Krakow, PL)
- The Doppler-derived myocardial performance Index is more useful than two-dimensional echocardiography in the assessment of donor heart function prior to transplantation. 753
R. Venkateswaran, R. Bonser, I. Wilson, J. Mascaro, R. Steeds (Birmingham, GB)
- Early detection of left ventricular wall motion alterations in heart allografts with coronary artery disease: Diagnostic value of tissue Doppler and two-dimensional (2D) strain echocardiography. 754
M. Dandel, E. Wellnhofer, H. Lehmkuhl, C. Knosalla, O. Grauhan, R. Hetzer (Berlin, DE)



Posters must be set up between 13:30 and 14:00, removed between 18:00 and 18:30 and be on display between 14:00 and 18:00. The presenter should be present throughout the coffee break (15:30 - 16:30) in order to discuss the poster.

15:30 - 16:30

Moderated Posters 1

The following ten abstracts were chosen for their outstanding quality and will be discussed in a special area in the poster hall during the Moderated Poster Session chaired by the two above-mentioned chairpersons between 15:30 and 16:30.

Echocardiography and outcomes.

Chairpersons: C. Ginghina (Bucharest, RO); J. Bermejo (Madrid, ES)

Transmitral flow patterns and the presence of kidney disease provide independent and incremental prognostic information in patients with chronic heart failure. 835

C. Bruch, H. Reinecke, G. Breithardt, T. Wichter, R. Gradaus (Munster, DE)

Left atrial diameter as a predictor of cardiac events in elderly patients undergoing noncardiac surgery. 836

D. Ural, A. Boyaci, T. Sahin, T. Kilic, G. Kahraman, U. Bildirici, G. Kozdag, B. Komsuoglu (Kocaeli, TR)

Right ventricular function is an independent predictor of mortality in heart failure. 837

J. Kjaergaard, D. Akkan, K.K. Iversen, L. Kober, C. Torp-Pedersen, C. Hassager (Copenhagen, DK)

The additional prognostic value of coronary flow reserve on anterior descending artery in patients with positive stress echo by wall motion criteria. A transthoracic vasodilator stress echo study. 838

F. Rigo, S. Gherardi, A. Djordjevic-Dikic, L. Cortigiani, R. Sicari, E. Picano (Mestre-Venice, IT, Belgrade, CS, Lucca, Pisa, IT)

The additive prognostic value of wall motion abnormalities and coronary flow reserve during dipyridamole stress echo. 839

R. Sicari, F. Rigo, G. Ossena, S. Gherardi, A. Djordjevic-Dikic, L. Cortigiani, E. Pisanisi, E. Picano (Pisa, Mestre, Cesena, IT, Belgrade, CS, Lucca, IT)

The combination of neurohormonal, ventilatory and echocardiographic parameters is useful in risk stratification of patients with Chronic Heart Failure. 840

A.B. Scardovi, R. De Maria, C. Coletta, S. Perna, A. Carunchio, R. Ricci, V. Ceci (Rome, Milan, IT)

Discharge NT-proBNP and myocardial perfusion echocardiography predicts major adverse cardiac events after acute anterior myocardial infarction and early PCI. 841

K. Wita, A. Filipceki, A. Gerber, A. Musialik, Z. Tabor, M. Nowak Jez, M. Turski, M. Trusz Gluza (Katowice, PL)

Incremental prognostic value of restrictive filling pattern in hypertrophic cardiomyopathy: a Doppler echocardiographic study. 842

B. Pinamonti, G. Nucifora, A. Di Lenarda, D. Gregori, A. Perkan, G. Sinagra (Trieste, IT)

Septal ablation for hypertrophic obstructive cardiomyopathy: predictors of mid-term (12 months) success. 843

L. Faber, D. Welge, H. Seggewiss, D. Fassbender, D. Horstkotte (Bad Oeynhausen, Schweinfurt, DE)

15:30 - 16:30

Moderated Posters I

Fabry heart disease: impact of enzyme replacement therapy on cardiac parameters 844
in an observational long-term follow up study in 24 patients.

T. Kovacevic-Preradovic, M. Zuber, C.H. Attenhofer Jost, U. Widmer, G. Schulthess,
A. Fischer, R. Jenni (Banja Luka, BA, Zurich, CH)

A
F
T
E
R
N
O
O
N

P
O
S
T
E
R
S



15:30 - 16:30

Moderated Posters 2

The following ten abstracts were chosen for their outstanding quality and will be discussed in a special area in the poster hall during the Moderated Poster Session chaired by the two above-mentioned chairpersons between 15:30 and 16:30.

Ischaemic LV dysfunction.

Chairpersons: I.M. Coman (Bucharest, RO); G. Akgun (Ankara, TR)

Early predictors of in-hospital heart failure in patients with a first acute myocardial infarction. 845

E. Kinova, N. Zlatareva, I. Angelova, L. Peneva, A. Goudev (Sofia, BG)

Importance of echocardiography in early assessment and follow up in surgically treated patients with ventricular septal defect after acute myocardial infarction. 846

L.I. Jovovic, L.V. Trkulja, M.R. Tomovic, S. Trajic, S. Nastasic, L. Angelkov, B. Djukanovic (Belgrade, CS)

NT-proBNP in differentiation of normal and pseudonormal mitral flow in ischemic heart disease. 847

K. Wita, A. Rybicka-Musialik, Z. Tabor, M. Nowak, J. Krauze, A. Drzewiecka-Gerber, B. Nowak-Jez, M. Trusz-Gluza (Katowice, PL)

Relationship between N-terminal pro brain natriuretic peptide and ventricular function in patients with non-ST-elevation acute coronary syndromes. 848

M.S. Trivi, F. Botto, G. Dall'Asta, M. Moriya, D. Arakaki, A. Perea, G. Sanchez (Buenos Aires, AR)

Factors determining left ventricular remodeling in patients with acute myocardial infarction after primary PCI. 849

K. Wita, M. Nowak, A. Rybicka-Musialik, Z. Tabor, A. Drzewiecka-Gerber, M. Turski, B. Nowak-Jez, M. Trusz-Gluza (Katowice, PL)

Role of myocardial performance index in prediction of postinfarction remodeling process. 850

M. Dekleva, V. Celic, B. Pencic, N. Radivojevic, S. Jelic (Belgrade, CS)

Left ventricle postinfarction remodeling and character of fibronectin degradation in Q wave myocardial infarction patients. 851

O. Koval, A. Ivanov, A. Shevtsova (Dnipropetrovsk, UA)

Types of postinfarction remodeling of left ventricle in patients with Q-wave myocardial infarction. 852

N. Vinogradova, L. Polonetsky, T. Sevruc (Minsk, BY)

Ventricular fibrillation in the acute phase of myocardial infarction is related to the reduction of left ventricular short axis function. 853

S.T. Toumanidis, N.K. Tsirikos, AT. Kalantaridou, G. Kottis, C.O. Trika, D. Bramos, D.I. Takos, S.D. Mouloupoulos (Athens, GR)

Different recovery (rate) of longitudinal and radial function after an episode of acute ischemia. 854

M. Wu, S. Langeland, S. Yelgec, S. Branders, P. Claus, F.E. Rademakers, J. Dhooge (Leuven, BE)

Posters must be set up between 13:30 and 14:00, removed between 18:00 and 18:30 and be on display between 14:00 and 18:00. The author should present throughout the coffee break (15:30 - 16:30) in order to discuss the poster.

14:00 - 18:00

Posters Session 4

The right heart.

- Incremental prognostic value of right ventricular E/Em index in patients with noN-terminal idiopathic pulmonary fibrosis. 855
G. Giannakoulas, C.E. Papadopoulos, G. Pitsiou, E.G. Dalamanga, T.D. Karamitsos, H.I. Karvounis, P. Argiropoulou, G.E. Parharidis (Thessaloniki, GR)
- Assessment of right ventricular systolic function with tissue Doppler in patients with cirrhosis. 856
B. Pirat, S. Eroglu, V. Simsek, A. Yildirim, H. Unal, H. Muderrisoglu (Ankara, TR)
- Biventricular myocardial adaptation to different training protocols in master athletes. 857
A. D'Andrea, P. Caso, G. De Corato, R. Scarafilo, G. Salerno, C. Mita, F. Allocca, R. Calabro' (Naples, IT)
- Non-standard 2D imaging windows improve visualization of the right ventricle for 3D reconstruction. 858
M.P. Waiss, F.H.S. Sheehan (Seattle, US)
- Right ventricular diastolic function in arterial hypertension complicated with heart failure. 859
M. Tsverava, D. Tsverava, T. Chachukashvili (Tbilisi, GE)
- Differentiation between acute and chronic cor pulmonales with midventricular systolic strain of the right ventricle. 860
J.H. Park, S.J. Park, Y.S. Park, J.H. Lee, S.W. Choi, J.O. Jeong, I.W. Seong (Daejeon, KR)
- Systolic tricuspid annular motions in various types of right ventricular overloading. 861
M. Djukic, I. Jovanovic, V. Parezanovic, J. Kalanj, L. Sulovic, I. Stefanovic, G. Vukomanovic (Belgrade, Pristina, CS)
- Right Ventricular Tei index obtained by tissue Doppler imaging is impaired in patients with Human Immunodeficiency Virus. 862
N. Hammoudi, S. Ederhy, E. Di Angelantonio, G. Dufaitre, F. Raoux, F. Boccara, P.M. Girard, A. Cohen (Paris, FR)
- A tissue Doppler assessment of right ventricle systolic function in chronic mitral regurgitation. 863
A.N. Borg, M.R. Yusoff, S.M. Deepak, W. Khan, D.J. Fox, S.G. Williams, S.G. Ray (Manchester, GB)
- The impact of etiology of heart failure on the right ventricular function. 864
W. Streb, J. Nowak, M. Szulik, A. Sliwinska, A. Majkusiak, J. Stabryla-Deska, Z. Kalarus, T. Kukulski (Zabrze, PL)
- Persistence of right ventricular dysfunction during dobutamine stress following successful coronary artery bypass grafting. 865
A.M. Duncan, D. Gibson, M. Henein (London, GB)
- Right ventricular dysfunction in asymptomatic diabetic patients. 866
W. Kosmala, M. Przewlocka-Kosmala, W. Mazurek (Wroclaw, PL)

A
F
T
E
R
N
O
O
N
P
O
S
T
E
R
S



14:00 - 18:00

Posters Session 4

- Right ventricular dysfunction in the hypertensives with left ventricular hypertrophy: the Doppler echocardiographic study using myocardial performance index. 867
I.-S. Sohn, S.-J. Kim, C.-W. Choue, K.-S. Kim, J.-S. Song, J.-M. Cho, C.-J. Kim, J.-H. Bae (Seoul, KR)
- Can the right ventricular outflow function be correlated with the QRS anomalies in right precordial leads (V1-V3) and upper right precordial leads (Brugada leads) in highly trained athletes? 868
M. Melnic, I. Stoian, L. Grigoric, C. Macarie (Bucharest, RO)
- Transesophageal Echocardiographic Assessment of Right Atrial Appendage Function in. 869(W)
- Tissue Doppler Imaging derived indexes for right ventricular function evaluation in chronic cigarette smokers. 870
I. D'Aiello, F. Guerrini, F. Cesareo, L. Addonisio, M. Breschi, A. Costoli, G. Miracapillo, S. Severi (Grosseto, IT)
- Revalence of prominent eustachian valve on TEE examination. 871
D. Marek, E. Sovova, M. Hutyra, I. Mejska, V. Novakova (Olomouc, CZ)
- Right ventricular diastolic dysfunction in ischemic end idiopathic dilated cardiomyopathy. 872
W. Biegalski, K. Poprawski, M. Michalski, M. Kandziora, R. Dankowski, A. Piatkowska, A. Nowicka, M. Wierzchowicki (Poznan, PL)
- Global right ventricular function is impaired in young non-smokers with diabetes mellitus type 1. 873
K. Kurnicka, B. Lichodziejewska, K. Grudzka, K. Jankowski, M. Ciurzynski, D. Liszewska-Pfejfer (Warsaw, PL)
- The assessment of right and left ventricular assynchrony in patients with chronic pulmonary thromboembolism prior and post surgical trombendarterectomy. 874(w)
W. Streb, J. Nowak, A. Duszanska, T. Zebik, M. Zembala, L. Polonski, Z. Kalarus, T. Kukulski (Zabrze, PL)
- The assessment of right and left ventricular assynchrony in patients with chronic pulmonary thromboembolism prior and post surgical trombendarterectomy. 875
W. Streb, J. Nowak, A. Duszanska, T. Zebik, M. Zembala, L. Polonski, Z. Kalarus, T. Kukulski (Zabrze, PL)
- Strain imaging: New echocardiographic methods for diagnosis of arrhythmogenic right ventricular dysplasia. 876
F. Roshanali, S. Oraii, M. Eftekhazadeh, A. Mohammadi (Tehran, IR)
- Right ventricular diastolic abnormalities in rheumatoid arthritis and its relationship with left ventricular and pulmonary involvement. A tissue Doppler imaging study. 877
E. Seyfeli, H. Guler, S. Akoglu, S. Karazincir, F. Akgul, H. Saglam, T. Seydaliyeva, F. Yalcin (Antakya/Hatay, Afyonkarahisar, TR)
- Assessment of right ventricular function with quantitative Tissue Doppler Imaging (TDI) in end stage renal disease patients during hemodialysis. 878
D. Mytas, P. Stougiannos, M. Bader, O. Kapi-Liata, L. Kosma, V. Atsali, C. Dilanas, V. Pyrgakis (Athens, Corinthos, GR)
- Transesophageal echocardiography for evaluation of right atrial appendage function in comparison with left atrial appendage. 879
M. Esmailzadeh, A. Fazlinezhad, M. Maleki, A. Sadeghpour, F. Noohi (Tehran, IR)

- Right ventricular hibernation in acute inferior myocardial infarction. 880
I.S. Ramzy, C.A. O'sullivan, M. Dancy, M.Y. Henein (London, GB)
- Right ventricular systolic function is not the only determinant of the tricuspid annular velocity. A tissue Doppler study in comparison to cardiac magnetic resonance imaging. 881
L.E. Sade, O. Gulmez, U. Ozyer, S. Mermer, M. Agildere, H. Muderrisoglu (Ankara, TR)
- Congenital heart disease.**
- Can pulsed wave Doppler tissue velocities consistently detect haemodynamic changes in the normal neonatal heart? 882
J.L. Pena, V.M.C. Salemi, C. Mady, J.M.S. Alves Jr, M.G. Silva, G.R. Sutherland (Sao Paulo, Belo Horizonte, BR, London, GB)
- Absolute right atrial and right ventricle measurements in follow up of children after secundum atrial septal defect closure with amplatzer septal occluder. 883
B. Kucinska, B. Werner, M. Wroblewska-Kaluzewska (Warsaw, PL)
- Can ultrasonic tissue indices be helpful in the assessment of pulmonary regurgitation in patients after repair of tetralogy of Fallot? 884
E. Kowalik, M. Kowalski, K. Baranska, M. Kusmierczyk, J. Rozanski, P. Hoffman (Warsaw, PL)
- Aortic dilation and dissection in patient after Aortic Valve Replacement because of a bicuspid aortic valve. 885
M. Han, B.J. Bouma, B.A.J. De Mol, A. Van Der Wal, R.B.A. Van Den Brink (Amsterdam, NL)
- Three-dimensional (3D) echocardiography in evaluation of PDA before and after percutaneous closure. 886
C.A. Vazquez-Antona, J.R. Erdmenger, R. Viesca-Lobaton, F.J. Roldan, J.A. Garcia-Montes, A. Romero, J. Vargas-Barron (Mexico City, MX)
- Right ventricular diastolic functions in pediatric patients with isolated pulmonary valve regurgitation. 887
P. Haciomeroglu, M. Akbalik, M. Sungur, N. Gunal, K. Baysal (Samsun, TR)
- Real time 3D echo allows improved decision making for either catheter intervention or surgery for secundum type ASD (ASD II). 888
V. Razek, P. Schneider, F.T. Riede, M. Kostelka, P. Kinzel, I. Daehnert (Leipzig, DE)
- Hypoplastic left heart syndrome: the role of cardiac STIC in prenatal diagnosis. 889
R.L. Rossetti Lucia, M.A.P. Prioli Maria Antonia, G.A. Ghidini Alessandra, Z.R. Zanarotti Roberta, V.C. Vassanelli Corrado (Verona, IT)
- Prediction of isolated aortic coarctation in the foetus. 890
H. Matsui, H.M. Gardiner, L. Pasquini, A. Seale, M. Roughton, S.Y. Ho (London, GB)
- Spectrum of associated Congenital Heart Disease (CHD) in 35 pediatric patients with Anomalous Left Coronary Artery from Pulmonary Artery (ALCAPA). 891
N. Alabdulkarim (riyadh, SA)
- Echocardiographic follow-up in congenital valvular aortic stenosis during childhood. 892
D.J. Ten Harkel, M. Berkhout, M. Witsenburg, W. Hop, W.A. Helbing (Rotterdam, NL)
- Left ventricular mass and transvalvular gradient versus heart rate variability in children with aortic valve stenosis. 893
A. Piorecka-Makula, A. Werner, T. Florianczyk (Warsaw, PL)



14:00 - 18:00

Posters Session 4

- Effect of endovascular stenting of aortic coarctation on biventricular function in adults. 894
 Y. Lam, L.C. Kum, W. Li, M.Y. Henein, M. Mullen (Hong Kong Sar, CN, London, GB)
- Restrictive right ventricular physiology complicating pulmonary valvular stenosis. 895
 Y. Lam, L.C. Kum, C.P. Chan, M.Y. Henein, W. Li (Hong Kong Sar, CN, London, GB)
- Is device closure of secundum atrial septal defect safe and effective in comparison to surgery? 896
 I. Simkova, P. Chnupa, V. Fridrich, K. Kanalikova (Bratislava, SK)
- Coronary anomaly: potential problem during ASD closure. 897
 A. Gackowski, A. Chrustowicz, P. Klimeczek, W. Piwowarska, M. Pasowicz (Krakow, PL)
- Left ventricular-to-right atrial shunts in adults with congenital heart disease. 898
 P. Gallego Garcia De Vinuesa, J. Oliver, A. Gonzalez, A. Fernandez, A. Sanchez-Recalde, M. Matos, A. Aroca (Seville, Madrid, ES)
- Early diastolic dysfunction in congenital aortic valve stenosis. 899
 D.J. Ten Harkel, M. Van Osch-Gevers, W.A. Helbing (Rotterdam, NL)
- Quantitative assessment of mitral regurgitation after surgical repair of PAVC in adults. 900
 A. Wojcik, P. Szymanski, A. Klisiewicz, J. Rozanski, M. Kusmierczyk, P. Hoffman (Warsaw, PL)
- Shunt diagnostic with power-mode Doppler after percutaneous PFO closure. 901
 K. Wustmann, N. Tomasek, O.M. Hess, A. Wahl, S. Windecker, C. Seiler, B. Meier, N. Walpoth (Berne, CH)

Echocardiography and electrophysiology.

- Normal values for ventricular synchrony measured by tissue Doppler imaging and tissue Doppler synchronization imaging in structurally normal hearts. 902
 H. Sadeghian, M. Saheb Jam, A. Yamini Sharif, A. Kazemisaeid, N. Fallah, S. Sadeghian, G. Davoodi, M. Raissi Dehkordi (Tehran, IR)
- What is the mechanism of LV remodelling in bundle branch block patients? 903
 J.U. Voigt, T. Schneider, S. Korder, G. Wasmeier, C. Rost, W.G. Daniel (Leuven -BE, Erlangen, DE)
- Interventricular and intraventricular synchrony in the left bundle branch block. Relation with baseline cardiomyopathy. 904
 M. Bastos Fernandez, D. Lopez Otero, M. Vega Fernandez, E. Gonzalez Babarro, P. Rigueiro Veloso, AB. Cid Alvarez, A. Amaro Cendon, A. Diaz Redondo (Santiago de Compostela, ES)
- Early relaxation E Wave by DTI and high risk of CHF in LBBB. 905
 J. Galvao, J. Monge, J. Abecassis, L. Bronze, H. Custodio, I. Arroja, J. Azevedo, A. Aleixo (Lisbon, PT)
- Serial evaluation of global left ventricular function and mechanical dyssynchrony in patients with an isolated left bundle branch block using real-time 3D echocardiography. 906
 J. Van Dijk, CA. Visser, O. Kamp (Amsterdam, NL)
- Left bundle branch block versus continuous right ventricular apex pacing: comparison of diastolic and systolic synchronicity. 907
 S. Fratini, F. Pastori, S. Romeno, A. Auricchio, M. Penco (L'aquila, IT, Magdeburg, DE)

- Evaluation of mechanical dyssynchrony in patients with right bundle branch block. 908
M. Moshkani Farahani, A. Bagher Zadeh, M. Haghjoo, M.A. Sadr Ameli (Tehran, IR)
- Single heart cycle measurement of interventricular delay by colour Doppler myocardial imaging in right ventricular paced patients. 909
J. Separovic Hanzevacki, M. Cikes, M. Lovric Bencic, A. Ernst, I. Cikes (Zagreb, HR)
- Acute Effects of VVI pacing on left ventricular function in elderly patients with normal left ventricular systolic function. 910
I. Chiladakis, N. Koutsogiannis, A. Kalogeropoulos, I. Sihlimiris, D. Alexopoulos (Patras, GR)
- Beneficial effect of the right ventricular outflow tract pacing on cardiac function and coronary circulation in comparison with the right ventricular apex pacing. 911
T. Yamano, S. Takarada, T. Kubo, T. Masho, T. Takahashi, T. Imanishi, Y. Tomobuchi, T. Akasaka (Wakayama, JP)
- How many patients with long-term right ventricular apical pacing are eligible to upgrading to biventricular pacing? 912
K. Goscinska-Bis, K. Cholewa, J. Bis, W. Kargul (Katowice, PL)
- Heart rate regularity through by permanent ventricular pacing in patients with chronic atrial fibrillation unfavorably affects the ventricular function compared to irregular intrinsic conduction. 913
I. Chiladakis, N. Koutsogiannis, A. Kalogeropoulos, I. Sihlimiris, F. Zagli, D. Alexopoulos (Patras, GR)
- Apical transversal motion display- A novel tool to assess ventricular asynchrony. 914
J.U. Voigt, T. Schneider, S. Korder, G. Wasmeier, C. Rost, W.G. Daniel (Leuven, BE, Erlangen, DE)
- The second regional systolic shortening found in LV lateral wall motion is due to ventricular interaction and should not be used to infer late contraction in this wall when studying LV dyssynchrony. 915
M. Marciniak, B. Bijmens, A. Marciniak, A. Baltabaeva, C. Parsai, J. Moggridge, G.R. Sutherland (London, GB)
- Interventricular delay optimization in cardiac resynchronization therapy: Comparison of two echocardiographic methods. 916
B. Vidal i Hagemeyer, M. Sitges, V. Delgado, J.M. Tolosana, M. Azqueta, J. Brugada, L. Mont, C. Pare (Barcelona, ES)
- Comparison among different intraventricular asynchrony indices to predict reverse remodelling after cardiac resynchronization therapy (CRT). 917
L. Ascione, R. Iengo, M. Accadia, S. Rumolo, E. Celentano, C. Muto, G. Carreras, B. Tuccillo (Naples, IT)
- Concordance of different echocardiographic methods to assess left ventricular asynchrony. 918
B. Vidal i Hagemeyer, M. Sitges, M. Azqueta, V. Delgado, J. Brugada, L. Mont, C. Pare (Barcelona, ES)
- Assessment of LV regional dyssynchrony: comparison between Real-time 3D echocardiography and Tissue Doppler analysis. 919
M. Vieira, M.L.C. Vieira, A. Cury, E. Lira Filho, A. Cordovil, A.C. Tude, C.G. Monaco, C.H. Fischer, S.S. Morhy (Sao Paulo, BR)



14:00 - 18:00

Posters Session 4

- Echocardiographic cardiac remodelling in patients with atrial fibrillation and cardiac resynchronization therapy. 920
N. Castro Bueno, A. Garcia Quintana, J.R. Ortega Trujillo, M. Diaz Escofet, E. Arbelo Lainez, J. Suarez De Lezo, C. Amador Gil, A. Medina (Las Palmas De Gran Canaria, ES)
- Differential effects on systolic and diastolic function after temporary suspension of long-term cardiac resynchronization therapy. 921
R.R. Brandt, J. Sperzel, H.F. Pitschner, M. Peters, A. Berkowitsch, C.W. Hamm (Bad Nauheim, DE)
- The Effect of Dobutamine on Echocardiographic Indices of Inter-ventricular and Intra-ventricular Mechanical Dyssynchrony. 922
A.A. Chen, F. Tournoux, E.K. Heist, J.N. Ruskin, M.J. Semigran, M.H. Picard, J.P. Singh (Boston, US)
- The acute hemodynamic response to optimization is diminished in patients with significant intraventricular dyssynchrony after biventricular device implantation. 923
A.A. Chen, F. Tournoux, E.K. Heist, J.N. Ruskin, M.J. Semigran, J.P. Singh, M.H. Picard (Boston, US)
- Effect of left ventricular reverse remodeling after cardiac resynchronization therapy on left ventricular torsion in severe heart failure. 924
T. Tanaka, K. Murata, E. Akagawa, Y. Wada, H. Kunichika, M. Matsuzaki (Ube, JP)
- Two-dimensional tissue tracking technique can evaluate left ventricular dyssynchrony. 925
C. Takahashi-Moriwaki, T. Yamano, T. Kubo, Y. Tomobuchi, T. Hano, T. Akasaka (Wakayama, JP)
- Asynchrony of left ventricular systolic performance after the first acute myocardial infarction in patients with narrow qrs complexes: Doppler tissue imaging study. 926
M.F. Elnoamany, H. Mahfouz, T. Abo Elazm, E. Shawky (Shebin Elkom, Banha, Cairo, EG)
- PDML in evaluation of dispersion of electric impulses generated by a cardiac pacemaker dependent on the location of the ventricular lead. 927
A. Drzewiecka, R. Mlynarski, E. Pilat, W. Kargul (Katowice, PL)
- Real-Time three-dimensional Echocardiography and tissue Doppler imaging in the quantification of left ventricular dyssynchrony in patients with asymptomatic left ventricular systolic dysfunction. 928
M. Marchel, J. Kochanowski, K.J. Filipiak, M. Postula, R. Piatkowski, D.A. Kosior, G. Opolski (Warsaw, PL)
- Role of Real-Time 3D Echocardiography in the evaluation of the effects of cardiac resynchronization therapy in left ventricular function and remodeling. 929
E. Liodakis, D. Dawson, H. Pavlopoulos, P. Nihoyannopoulos (London, GB)
- Assessment of left ventricular mechanical dyssynchrony with real-time 3D-echocardiography. 930
V. Delgado, M. Sitges, B. Vidal, L. Mont, M. Azqueta, J. Brugada, C. Pare (Barcelona, ES)
- 3D echocardiography: a new tool to automatically asses left ventricular asynchrony. 931
L. Perez De Isla, J. Zamorano, C. Roque, C. Almeria, J.L. Rodrigo, V. Serra, A. Garcia, C. Alburquerque (Madrid, ES)
- Feasibility and accuracy of single-beat three-dimensional tissue synchronization imaging (TSI) in comparison with two-dimensional TSI in heart failure patients. 932
L. Badano, M. Baldassi, E. Tosoratti, G. Nucifora, D. Pavoni, P. Gianfagna, P.M. Fioretti (Udine, IT)

14:00 - 18:00

Posters Session 4

- Systolic Dyssynchrony Index at Real Time 3D Echocardiography correlates with left ventricular ejection fraction in patients with previous myocardial infarction and in controls. 933
E. De Marco, S. De Vecchi, V. Magnano, F. Forni, D. Pappalardo, F. Platini, F. Rametta (Borgosesia, IT)
- Measurement of basal ventricular asynchrony by real-time 3D long axis echocardiography. 934
R. Chung, W. Li, M.Y. Henein (London, GB)
- Left ventricular asynchrony in dilated cardiomyopathy patients and normal subjects with and without left bundle branch block: A three-dimensional echocardiography study. 935
C. Sonne, L. Weinert, R.W. Childers, R. Lang, L. Sugeng (Chicago, US)
- Whose failed heart sleeps better? Sleep disordered breathing in patients during cardiac resynchronization therapy. 936
M. Szulik, B. Sredniawa, A. Musialik-Lydkka, O. Kowalski, W. Streb, P. Pruszkowska-Skrzep, T. Kukulski, Z. Kalarus (Zabrze, PL)
- Could regional left ventricular radial systolic velocity parameters better describe dyssynchrony in the failing heart? 937
C. Parsai, B. Bijmens, L. Anderson, A. Baltabaeva, M. Marciniak, G.R. Sutherland (London, GB)
- Effect of radiofrequency catheter ablation on myocardial performance index in patients with wolff-parkinson-white syndrome. 938
N. Cakmak, E. Oguz, N. Sayar, A. Akyol, M. Cakmak, A. Eksik, A.T. Alper, H. Hasdemir (Istanbul, TR)
- Analysis of phase by velocity vector imaging can predict reverse left ventricular remodelling post resynchronization therapy. 939
A.R. Martiniello, P. Caso, G. Tonti, C. Cavallaro, P. Di Gregorio, C. Cioppa, R. Ancona, R. Calabro' (Naples, Sulmona, IT)
- Tissue synchronization imaging accurately measures left ventricular dyssynchrony and predicts response to cardiac resynchronization therapy. 940
N. Van De Veire, G.B. Bleeker, J. De Sutter, C. Ypenburg, E.R. Holman, E.E. Van Der Wall, M.J. Schalij, J.J. Bax (Ghent, BE, Leiden, NL)
- Myocardial viability predicts reverse remodelling after cardiac resynchronization therapy (CRT): a 2D strain echocardiography (2DSE) study. 941
L. Ascione, R. Iengo, M. Accadia, E. Celentano, C. Muto, M. Canciello, G. Carreras, B. Tuccillo (Naples, IT)
- Time course of the functional capacity improvement and the reversal of LV remodeling in heart failure patients treated with biventricular pacing. One year follow up. 942
T. Kukulski, M. Szulik, A. Duszanska, O. Kowalski, J. Prokopczuk, P. Pruszkowska, T. Zielinska, Z. Kalarus (Zabrze, PL)
- Impact of underlying cardiopathy on left ventricular remodelling after cardiac resynchronization therapy. 943
B. Vidal i Hagemeyer, M. Sitges, V. Delgado, J.M. Tolosana, M. Azqueta, J. Brugada, C. Pare, L. Mont (Barcelona, ES)


Advanced diagnosis of myocardial dysfunction.

- Racial differences in left ventricular structure and performance in healthy young adults. 944
P. Pattoneri, G.M. Pela, F. Ugo, A. Borghetti (Parma, IT)
- Hypercholesterolemia and myocardial function: an experimental ultrasonic strain and strain rate study. 945
G. Di Salvo, A. Carlucci, L. Cigliano, B. Castaldi, G. Pacileo, P. Abrescia, C. Pedone, R. Calabro (Naples, IT)
- Early abnormalities of left ventricular myocardial characteristics associated with subclinical hyperthyroidism. 946
V. Di Bello, A. Di Cori, E. Talini, C. Palagi, MG. Delle Donne, L. Antonangeli, F. Aghini-Lombardi, A. Barsotti (Pisa, IT)
- Mean longitudinal strain and strain rate: an index of assessing subclinical left ventricular dysfunction in hypertension. 947
H. Pavlopoulos, M. Tayebjee, R. Showkathali, D. Dawson, E. Philippou, P. Nihoyannopoulos (London, GB)
- Left ventricular dysfunction in patients with obstructive sleep apnoea and normal ejection fraction. 948
A. Romero-Corral, V.K. Somers, P.A. Pellikka, E.J. Olson, K.R. Bailey, F. Lopez-Jimenez (Rochester, US)
- Early systolic abnormalities in asymptomatic patients with non-ischemic mitral regurgitation: a strain and strain rate imaging study. 949
G. Di Salvo, A. Fusco, R. Lo Piccolo, M.V. Betancourt Cordido, S. Comenale Pinto, S. Severino, P. Caso, R. Calabro (Naples, IT)
- Subclinical impairment of LV function by tissue Doppler imaging in patients with osteogenesis imperfecta. 950
Z. Radunovic, L.L. Wekre, M. Stugaard, K. Steine (Oslo, Nesoddtangen, NO)
- Tissue Doppler and deformation imaging may detect latent left ventricular systolic dysfunction in β -thalassemia patients. 951
D. Tsiapras, V. Vartela, S. Kyrzopoulos, A. Kostopoulou, E. Hamodraka, G. Theodorakis, D. Kremastinos (Athens, GR)
- Doppler tissue imaging unmask impairment of long-axis left ventricular contraction in HIV infected patients. 952
M. Foukarakis, A. Karavidas, G. Lazaros, E. Matsakas, M. Chini, P. Gargalianos, S. Arapi, A.P. Zacharoulis (Athens, GR)
- Systolic or diastolic dysfunction, which is the first to be found by tissue Doppler imaging in HIV patients? 953
J. Toste, V. Carmelo, S. Ferreira, R. Palma Reis, S. Longo, N. Cardim, T. Ferreira (Lisbon, PT)
- Reduced longitudinal myocardial tissue velocities and myocardial deformation with strain rate imaging in patients with end stage renal disease and apparent normal left ventricular ejection fraction. 954
R. Sharma, D. Pellerin, R. Mehta, H. Gregson, D.C. Gaze, P.O. Collinson, S.J. Brecker (Southampton, London, GB)
- Echo-TDI evaluation of left atrial function in patients with major thalassemia. 955
I. Monte, D. Capodanno, E. Nicolosi, S. Licciardi (Catania, IT)

- Is colour Doppler myocardial imaging superior to conventional echocardiography in early detection of myocardial dysfunction in acromegaly? 956
J. Separovic Hanzevacki, M. Cikes, M. Lovric Bencic, A. Ernst (Zagreb, HR)
- Relationship of left ventricular dysfunction and inflammation in acute coronary syndromes. 957
I. Burazor, M. Burazor, A. Vojdani, G. Cvetanovic, S. Nagorni, N. Krstic, J. Glasnovic (Nis, CS, Los Angeles, US, Leskovac, CS)
- Assessment of left ventricular diastolic velocities of the mitral annulus by tissue Doppler imaging to differentiate physiological from pathological left ventricular hypertrophy. 958
T. Butz, F. Van Buuren, K.P. Mellwig, Y.Z. Kim, C. Langer, O. Oldenburg, D. Horstkotte, L. Faber (Bad Oeynhausen, DE)
- Tissue Doppler imaging can distinguish pathological from physiological left ventricular hypertrophy in master athletes with mild hypertension. 959
L. Toncelli, B. Cappelli, M.C.R. Vono, L. Stefani, M. Gianassi, F. Del Furia, A. Moretti, G. Galanti (Florence, IT)
- Myocardial deformation by bidimensional strain in professional football players: comparison with controls and hypertrophic cardiomyopathy. 960
S. Brette, V. Richand, P. Reant, K. Serri, M. Lafitte, A. Chalabi, A. Kerouani, R. Roudaut, S. Lafitte (Bordeaux-Pessac, Paris, FR)
- Left ventricular torsion in competitive athletes depends on diastolic and systolic function. 961
F. Tournoux, K.K. Poh, T.G. Neilan, T.T. Ton-Nu, M.H. Picard, M.J. Wood (Boston, US)
- Echocardiographic assessment of left ventricular morphology and function in breath-hold sea divers. 962
C. De Gregorio, A. Pingitore, A. Belardinelli, G. Di Bella, M. Passera, D. Cialoni, C. Marabotti, R. Bedini (Messina, Pisa, IT)
- Left ventricle myocardial function in hypertensive patients with combined diabetes mellitus according to pulsed wave tissue Doppler imaging. 963
S. Potashev, S.V. Potashev, M.N. Dolzhenko, N.A. Perepelchenko (Kiev, Kyiv, UA)
- Left ventricular diastolic functional abnormalities in asymptomatic patients with type II diabetes mellitus. Its relation with aortic elastic properties. 964
E. Seyfeli, M. Duru, H. Saglam, F. Akgul, F. Yalcin, H. Kaya (Antakya/Hatay, Afyonkarahisar, TR)
- Impact of leptin upon cardiac systolic, diastolic, global myocardial and autonomic function in patients with noninsulin dependent diabetes. 965
G. Nasr, D. Abd-Elhaleem, M. Sheir, H. Abd Elaziz, A. Elbaz, M. Elbarbary (Ismailia, EG)
- Microalbuminuria does not cause additional left ventricular dysfunction in patients with type 2 diabetes. Results of the Myocardial Doppler in Diabetes (MYDID) Study III. 966
S.K. Saha, S. Govind, L.B. Brodin, J. Nowak (Stockholm, SE, Bangalore, IN)
- Impaired glucose tolerance and insulin resistance significantly affect left ventricular systolic function in patients with STEMI. 967
R. Plaksej, W. Kosmala, L. Karpinski, R. Derzhko, A. Orda, W. Mazurek, M. Witkowska (Wroclaw, PL)



14:00 - 18:00

Posters Session 4

- Correlation between left ventricular geometry and right ventricular structural and functional changes in hypertensive patients. 968
Y.A. Vasyuk, A.B. Hadzegova, S.V. Ivanova, N.I. Gerasimova, I.M. Amirbegishvily, P.V. Krikunov, Y.N. Yushouk (Moscow, RU)
- Impact of diabetes on global and diastolic function of left ventricle in hypertensives. 969
I.-S. Sohn, S.-J. Kim, J.-M. Cho, C.-J. Kim, C.-W. Choue, K.-S. Kim, J.-S. Song, J.-H. Bae (Seoul, KR)
- Myocardial performance index in hypertensive patients with isolated diastolic dysfunction: Comparison between conventional pulse wave Doppler and tissue Doppler. 970
J.M.G. Fernandes, B.O. Romeo, I.R. Rivera, M.A. Mendonca, V.A. Moises (Arapiraca, Maceio, Sao Paulo, BR)
- Cardiovascular manifestations in relation to the degree of renal disease. 971
E. Linder Klingsell, K. Caidahl, U. Hahn-Lundstrom, B. Hylander, SH. Jacobson, A. Pagels, K. Jensen-Urstad, MJ. Eriksson (Stockholm, SE)
- Impact of persistence of arteriovenous fistula after kidney transplantation on left and right ventricular function and motion as studied by tissue Doppler imaging. 972
A. Pruna, J. Cridlig, F. Alla, A. Chodek, Y. Juilliere, M. Kessler, L. Frimat, C. Selton-Suty (Nancy, FR)
- Strain by tissue Doppler imaging associated with regression of cardiac remodeling and fibrosis after combination therapy of candesartan and spironolactone in patients with chronic heart failure. 973
M. Wang, J. Sanderson, T. Wang, A. Chan, Y. Lam, G. Yip, L. Yeung, .CM. Yu (Hong Kong, HK, North Staffordshire, GB, Shatin, CN)
- The role of cardiopulmonary exercise testing in the evaluation of functional capacity after treatment of lymphomas in adults. 974
L. Eibl, I. Vasova, I. Tomaskova, F. Jedlicka, M. Navratil, J. Vorlicek (Brno, CZ)
- Echocardiographic evaluation of valvular cardiomyopathy using tissue Doppler imaging in chronic severe aortic regurgitation. 975
Y.A. Ivaniv (Lviv, UA)
- Changes of regional myocardial function and myocardial hypertrophy in patients with severe aortic stenoses during long term follow-up after aortic valve replacement. 976
F. Weidemann, S. Herrmann, V. Lange, M. Beer, M. Niemann, W. Voelker, G. Ertl, J.M. Strotmann (Wurzburg, DE)
- Quantitative assessment of myocardial contractile reserve during exercise in patients with mitral valve prolapse. 977
P. Lancellotti, B. Cosyns, G. Van Camp, G. Tumminello, K. Danai, L.A. Pierard (Liege, Braine Alleud, Brussel, BE)
- Surgical ventricular restoration with mitral valve repair:left ventricular shape and function one year after surgery. 978
J.J. Vaskelyte, R. Raugeliene, R. Jurkevicius, N. Stoskute, E. Ereminiene, J. Janenaite, R. Arzanauskiene, J. Marcinkeviciene (Kaunas, LT)
- Determinants of mitral regurgitation severity in chronic systolic heart failure. 979
G. Leurent, E. Donal, R. Gervais, C. De Place, A. Solnon, P. Mabo, J.C. Daubert (Rennes, FR)