

08:30 - 10:00

MOZART

**Aortic stenosis - Heart Valve Disease: progress and prospects I**  
**Joint session with Working Group on Valvular Heart Disease**

**Chairpersons: J.B. Chambers (London, GB); J. Vlasserros (Athens, GR)**

- 08:30 **Asymptomatic aortic stenosis: role of echocardiography.** 123  
H. Baumgartner (Vienna, AT)
- 08:52 **The myocardial response to pressure overload: mechanisms and monitoring.** 124  
B. Bijnens (London, GB)
- 09:15 **Which index is best: gradient, valve area or resistance?** 125  
P. Pibarot (Sainte Foy, CA)
- 09:37 **How to investigate AS with poor LV function or concomitant mitral regurgitation.** 126  
L. Pierard (Liège, BE)

08:30 - 10:00

DVORAK

**Clinico-pathological correlations in cardiomyopathy with demonstrations of human hearts - Joint session with the WG on Myocardial and Pericardial Diseases**

**Chairpersons: A. Keren (Jerusalem, IL); E. Arbustini (Pavia, IT)**

- 08:30 **Hypertrophic diseases: pathology.** 127  
C. Basso (Padua, IT)
- 08:45 **Hypertrophic diseases: echocardiography.** 128  
R. Isnard (Paris 13, FR)
- 09:00 **Dilated cardiomyopathies: pathology.** 129  
G. Thiene (Padua, IT)
- 09:15 **Dilated cardiomyopathies: echocardiography.** 130  
M. Zuber (Lucerne, CH)
- 09:30 **Specific diseases associated with arrhythmias: pathology.** 131  
C. Basso (Padua, IT)
- 09:45 **Specific diseases associated with arrhythmias: echocardiography.** 132  
A.N. Neskovic (Belgrade, CS)

08:30 - 10:00

SMETANA

**Detection of vulnerable plaque: diagnostic advances**  
**Joint session with ultrasonic engineers**

**Chairpersons: J. Schaar (Rotterdam, NL); A.F.W. Van der Steen (Rotterdam, NL)**

- 08:30 **Pathology.** 133  
M. Daemen (Maastricht, NL)
- 08:48 **Non-invasive detection.** 134  
K. Nieman (Rotterdam, NL)
- 09:06 **Carotid ultrasound elastography.** 135  
H. Kanai (Sendai, JP)
- 09:24 **Invasive detection.** 136  
A.F.W. Van der Steen (Rotterdam, NL)
- 09:42 **IVUS and imaging as an end-point in clinical trials.** 137  
F.J. Pinto (Lisbon, PT)

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08:30 - 10:00

NOVAK

|       |                                                                                                                                                                                                                                                               |     |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 09:00 | Relationship between reperfusion parameters and left ventricular remodelling after anterior myocardial infarction.<br>W. Wrobel, K. Wita, A. Rybicka, J. Krauze, Z. Tabor, M. Turski, M. Trusz- Gluza (Katowice, PL)                                          | 152 |
| 09:15 | Left ventricle mural thrombus early after acute myocardial infarction in the era of primary percutaneous intervention and glycoprotein IIb/IIIa inhibitors.<br>M. Zielinska, K. Kaczmarek, J.H. Goch (Lodz, PL)                                               | 153 |
| 09:30 | Improved prediction of coronary artery disease by using strain rate imaging in patients with acute chest pain and non-diagnostic ECG.<br>O. Soylyu, A. Aydin, M.S. Yilmazer, A. Yildirim, B. Dagdeviren (Istanbul, TR)                                        | 154 |
| 09:45 | Value of echocardiography for the detection of left ventricular outflow tract obstruction in Tako-Tsubo syndrome.<br>N. Mansencal, R. El Mahmoud, R. Pilliere, F. Leyer, T. Joseph, P. Michaud, S. Cattan, O. Dubourg (Boulogne-Billancourt, Montfermeil, FR) | 155 |

08:30 - 10:00

SUK

**The coronary arteries in congenital and paediatric heart disease  
Congenital heart disease track**

**Chairpersons: J. Marek (London, GB); M.O. Vogt (Munich, DE)**

|       |                                                                            |     |
|-------|----------------------------------------------------------------------------|-----|
| 08:30 | Embryology and development.<br>X. To be determined (X, FR)                 | 156 |
| 08:48 | ALCAPA and other congenital coronary abnormalities.<br>A. Bozio (Lyon, FR) | 157 |
| 09:06 | Kawasaki disease.<br>G. Greil (Tuebingen, DE)                              | 158 |
| 09:24 | The coronary arteries in transposition.<br>D. Bonnet (Paris, FR)           | 159 |
| 09:42 | Coronary flow reserve in congenital heart disease.<br>J. Hess (Munich, DE) | 160 |

10:30 - 12:00

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

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



11:00 - 12:30

JANACEK

**Bohemian rhapsodies and Moravian mysteries  
Czech Working Group on Echocardiography**

DICE session

**Chairpersons: E. Mandysova (Prague, CZ); L.A. Pierard (Liege, BE)**

|       |                                                                                                                                                                                     |     |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 11:00 | <b>Mass in pulmonary vein.</b><br>K. Medilek (Hradec Kralove, CZ)                                                                                                                   | 314 |
| 11:13 | <b>Unusual cause of myocardial infarction.</b><br>R. Ondrejcek (Prague, CZ)                                                                                                         | 315 |
| 11:26 | <b>Embolisation of a mass from the bicuspid aortic valve into the left coronary artery during TEE treated by primary PTCA. One-year follow-up.</b><br>M. Brtko (Hradec Kralove, CZ) | 316 |
| 11:39 | <b>Malignant arrhythmia in adulthood as the first symptom of anomalous origin of the left coronary artery from the pulmonary artery: case report.</b><br>V. Maratka (Kolin, CZ)     | 317 |
| 11:52 | <b>Dynamic LVOT obstruction after the valve replacement for aortic stenosis.</b><br>M. Tuna (Hradec Kralove, CZ)                                                                    | 318 |
| 12:05 | <b>Levosimendan and biventricular pacing as a bridge to transplantation in terminal heart failure. Case report.</b><br>D. Marek (Olomouc, CZ)                                       | 319 |
| 12:06 | <b>Some types of cardiomyopathy can be completely reversed by biventricular pacing. A few cases.</b><br>A. Bulava (Olomouc, CZ)                                                     | 320 |
| 12:18 | <b>Pseudoaneurysm of the left ventricle as a rare cause of singultus.</b><br>J. Ster Bakova (Prague, CZ)                                                                            | 321 |

11:00 - 12:30

MARTINU

**Measurement of LV systolic function function: what, when, and how?**

Teaching Course

**Chairpersons: P. Fridl (Prague, CZ); T. Gillebert (Ghent, BE)**

|       |                                                            |     |
|-------|------------------------------------------------------------|-----|
| 11:00 | <b>Global function.</b><br>G. Maurer (Vienna, AT)          | 322 |
| 11:22 | <b>Long axis function.</b><br>D. Vinereanu (Bucharest, RO) | 323 |
| 11:45 | <b>Regional function.</b><br>J.U. Voigt (Leuven, BE)       | 324 |
| 12:06 | <b>What does 3-D add?</b><br>A. Franke (Aachen, DE)        | 325 |

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12:45 - 13:45

SMETANA

**Young Investigators Awards Session****Chairpersons: A.G. Fraser (Cardiff, GB); T.J. Ryan (Boston, US)****Judges.****K. Yoshida, G. Maurer, M.H. Picard, A. Distanto****(Nagoya City, JP; Vienna, AT; Boston, US; Brindisi, IT)**

- |       |                                                                                                                                                                                     |     |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 12:45 | <b>Flow-volume loops from three-dimensional echocardiography; A novel technique for assessment of left ventricular function and haemodynamics.</b>                                  | 337 |
|       | K. Shahgaldi, E. Soderqvist, P. Gudmundsson, E. Ostenfeld, R. Winter, J. Nowak, L-A. Brodin (Malmoe, Stockholm, Karolinska University Hospital Stockholm, SE)                       |     |
| 12:57 | <b>Myocardial strain analysis in an animal model of doxorubicin induced cardiomyopathy.</b>                                                                                         | 339 |
|       | G. Di Salvo, E. Piegari, G. Pacileo, B. Castaldi, P. Golino, L. Berrino, F. Rossi, R. Calabro (Naples, IT)                                                                          |     |
| 13:09 | <b>Quantification of mitral annular dynamics and papillary muscle positions using real-time 3D echocardiography.</b>                                                                | 340 |
|       | F. Veronesi, C. Corsi, E.G. Caiani, L. Sugeng, L. Weinert, V. Mor-Avi, C. Lamberti, R.M. Lang (Bologna, Milan, IT, Chicago, US)                                                     |     |
| 13:21 | <b>Ultrasound lung comets provide an early marker of acute oleic acid lung injury in pigs.</b>                                                                                      | 341 |
|       | L. Gargani, V. Lionetti, A. Corciu, A. Simioniu, F. Frassi, F. Recchia, E. Picano (Pisa, IT)                                                                                        |     |
| 13:33 | <b>The impact of n terminal pro natriuretic peptide (NT pro BNP) on number needed to screen for heart failure by echocardiography. Prospective observational comparative study.</b> | 342 |
|       | M. Al Barjas, D. Nair, R. Morris, J. Davar (London, GB)                                                                                                                             |     |

12:45 - 13:45

JANACEK

**4D echo, deformation imaging and new CRT tools - Bringing research to clinical practice****Satellite Symposium organised by GE Healthcare****Chairpersons: J.U. Voigt (Leuven, BE); A Evangelista Masip (Barcelona, ES)**

- |       |                                                                                              |     |
|-------|----------------------------------------------------------------------------------------------|-----|
| 12:45 | <b>Strain imaging and new tools - A new approach to define subgroups who respond to CRT.</b> | 343 |
|       | G.R. Sutherland (London, GB)                                                                 |     |
| 13:05 | <b>4D echo in daily clinical practice.</b>                                                   | 344 |
|       | J.D. Kasprzak (Lodz, PL)                                                                     |     |
| 13:25 | <b>4D echo left ventricular volume quantification.</b>                                       | 345 |
|       | A. Franke (Aachen, DE)                                                                       |     |



14:00 - 15:30

MOZART

**Mitral regurgitation - Heart Valve Disease, Progress and Prospects III**  
**Joint session with Working Group on Valvular Heart Disease**

**Chairpersons: B. Cormier (Massy, FR); S.G. Ray (Manchester, GB)**

- |       |                                                  |     |
|-------|--------------------------------------------------|-----|
| 14:00 | Complex mitral repair.                           | 349 |
|       | X. To be determined (X, FR)                      |     |
| 14:22 | Mitral regurgitation in cardiomyopathies.        | 350 |
|       | B. Lung (Paris, FR)                              |     |
| 14:45 | Mitral valve prolapse, still a useful diagnosis? | 351 |
|       | E. Messas (Paris, FR)                            |     |
| 15:06 | Left heart mechanics in mitral regurgitation.    | 352 |
|       | T.C. Gillebert (Ghent, BE)                       |     |

14:00 - 15:30

JANACEK

**Pre- and post-operative 3-D echo in congenital heart disease**  
**Joint session with AEPC**

**Chairpersons: L. Mertens (Leuven, BE); T. Delhaas (Maastricht, NL)**

- |       |                                                                               |     |
|-------|-------------------------------------------------------------------------------|-----|
| 14:00 | Diagnosis and treatment of septal defects.                                    | 353 |
|       | A. Van Den Bosch (Rotterdam, NL)                                              |     |
| 14:18 | Detection and visualisation of atrial conduits and baffles.                   | 354 |
|       | F.J. Meijboom (Rotterdam, NL)                                                 |     |
| 14:36 | Hypoplastic left heart disease: what is too small?                            | 355 |
|       | O. Milanese (Padua, IT)                                                       |     |
| 14:54 | Atrioventricular septal defects: pre-operative and post-operative evaluation. | 356 |
|       | X. To be determined (X, FR)                                                   |     |
| 15:12 | Intraoperative imaging.                                                       | 357 |
|       | J. Simpson (London, GB)                                                       |     |

14:00 - 15:30

SMETANA

**Myocardial mechanics and left ventricular torsion**  
**Joint session with the American Society of Echocardiography**

**Chairpersons: M.H. Picard (Boston, US); F.E. Rademakers (Leuven, BE)**

- |       |                                                     |     |
|-------|-----------------------------------------------------|-----|
| 14:00 | Myocardial mechanics-basic concepts and principles. | 358 |
|       | F.E. Rademakers (Leuven, BE)                        |     |
| 14:22 | Imaging technologies: Doppler and speckle.          | 359 |
|       | M. Ericsson (Vaxjo, SE)                             |     |
| 14:44 | Myocardial mechanics: non-ischaemic syndromes.      | 360 |
|       | M. Vannan (Orange, US)                              |     |
| 15:07 | Myocardial mechanics: ischaemic syndromes.          | 361 |
|       | W. Stewart (Cleveland, US)                          |     |



14:00 - 15:30

NOVAK

- 14:45 **Tissue Doppler imaging in the evaluation of transmural extension of myocardial necrosis following reperfused ST elevation myocardial infarction: correlation with contrast-enhanced MRI.** 375  
E. Inches, M.N. Picardi, R. Scardala, B. Brasolin, C. Bucciarelli Ducci, M. Francone, R. Passariello, F. Fedele (Rome, IT)
- 15:00 **Remote ischaemic preconditioning reduces ischaemic left ventricular dysfunction during dobutamine stress echocardiography.** 376  
S. Khan, P. Heck, S. Hoole, R. Kharbanda, D.P. Dutka (Cambridge, GB)
- 15:15 **The effect of autologous mononuclear bone marrow cell transplantation on regional left ventricular systolic and diastolic function in patients with acute myocardial infarction.** 377  
J. Meluzin, S. Janousek, J. Mayer, L. Groch, R. Panovsky, I. Hornacek, M. Klabusay, P. Kala (Brno, CZ)

14:00 - 15:30

SUK

**Advances in ultrasound engineering and technology**

**Oral abstract session**

**Chairpersons: N. McDicken (Edinburgh, GB); A.F.W. Van der Steen (Rotterdam, NL)**

- 14:00 **A new graphical user interface module generating state diagrams of the heart.** 378  
A. Bjallmark, M. Larsson, S. Lundback, J. Jonas, R. Winter, L-A. Brodin (Huddinge, Vaxholm, Stockholm, SE)
- 14:15 **Comparative analysis of two methodologies to determine myocardial longitudinal strain in left and right ventricles in athletes during a stress test.** 379  
L. Stefani, L.T. Toncelli, M.G. Gianassi, M.P. Manetti, V.D.T. Di Tante, M.C.R.V. Vono, M.A. Moretti, G.G. Galanti (Florence, IT)
- 14:30 **In vivo 3D cardiac elastography in an animal model and human heart.**  
R.G.P. Lopatal, M.M. Nillesen, I.H. Gerrits, J.M. Thijssen, L. Kapusta, C.L. de Korte (Nijmegen, NL)
- 14:45 **Assessment of 2D velocity field using contrast echo. Comparison of Viennaer filtering and cross-correlation method.** 380  
D. Coisne, S. Dubois, N. Benard, L. Christiaens, P. Blouin, R. Perrault, P. Brault, M. Menard (Poitiers, FR)
- 15:00 **The back pack transoesophageal echo lab: Initial experiences with a miniaturized laptop echo system for full performance transesophageal echocardiography.** 381  
B. Plicht, P. Kahlert, A. Lind, T. Buck (Essen, DE)
- 15:15 **Artificial intelligence in echocardiography, from data to conclusions.** 382  
R. Mlynarski, G. Ilczuk, E. Pilat, A. Drzewiecka, W. Kargul, A. Wakulicz-Deja (Sosnowiec, Katowice, PL, Erlangen, DE)

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COFFEE BREAK

More information on Moderated Posters and Posters sessions page 73



16:30 - 18:00

JANACEK

**The Turkish Working Group on Echocardiography**

DICE session

**Chairpersons: Y. Basaran (Istanbul, TR); L. Badano (Udine, IT)**

- |       |                                                                                                                                                           |     |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 16:30 | Constrictive pericarditis and pseudocoarctation of the ascending aorta.<br>A. Tugcu (Istanbul, TR)                                                        | 554 |
| 16:41 | Cystic structure on the interventricular septum.<br>B. Ozdemir (Bursay, TR)                                                                               | 555 |
| 16:52 | Echocardiographic diagnosis of fistula from the right coronary artery to the Hepatic vein.<br>L. Orhan (Istanbul, TR)                                     | 556 |
| 17:03 | Interatrial mass obstructing the mitral valves perfused by two coronary arteries.<br>N. Uslu (Istanbul, TR)                                               | 557 |
| 17:14 | Echocardiographic evaluation of the fifth Cardiac Chamber (A rare congenital coronary artery fistula).<br>F.O. Arican Ozluk (Elazig, TR)                  | 558 |
| 17:25 | Echocardiographic diagnosis of a giant thrombus passing through patent foramen ovale from right atrium to the left atrium.<br>Y. Tayyareci (Istanbul, TR) | 559 |
| 17:36 | Severe aortic regurgitation after repair of sinus valsalva aneurysm: The role of transoesophageal Echocardiography.<br>A. Oguzhan (Kayseri, TR)           | 560 |
| 17:48 | Leiomyosarcoma of the left atrium invading the mitral anterior leaflet and obstructing the mitral valve orifice.<br>E. Turkyilmaz (Istanbul, TR)          | 561 |

16:30 - 18:00

MARTINU

**Cardiomyopathies and heart muscle diseases**

Teaching Course

**Chairpersons: T. Kukulski (Zabrze, PL); E. Arbustini (Pavia, IT)**

- |       |                                                                              |     |
|-------|------------------------------------------------------------------------------|-----|
| 16:30 | LV noncompaction in dilated cardiomyopathies.<br>G. Habib (Marseille, FR)    | 562 |
| 16:52 | Restrictive cardiomyopathies and amyloid.<br>P. Nihoyannopoulos (London, GB) | 563 |
| 17:15 | Arrhythmogenic right ventricular cardiomyopathy.<br>D. Pellerin (London, GB) | 564 |
| 17:37 | Cardiomyopathy.<br>P.M. Elliott (London, GB)                                 | 565 |

16:30 - 18:00

NOVAK

**When and how to evaluate right ventricular function****Congenital heart disease abstracts****Chairpersons: P. Hoffman (Warsaw, PL); A. Bozio (Lyon, FR)**

- |       |                                                                                                                                                                                                                        |     |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 16:30 | Relation between right ventricle systolic function and exercise capacity in ischaemic heart failure patients.<br>P. Rubis, P. Podolec, L. Tomkiewicz-Pajak, W. Plazak, M. Pieculewicz, G. Kopec, W. Tracz (Krakow, PL) | 566 |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|



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.

**What alters LV function in normal subjects?**

**Chairpersons: L.A Brodin (Huddinge, SE); A.N Neskovic (Belgrade, CS)**

**Exercise tissue Doppler echocardiography with strain rate imaging in healthy young individuals: Feasibility, normal values and reproducibility.** 161

B. Goebel, T.C. Poerner, O. Breithardt, M. Borggrefe, H.E. Ulmer, R. Arnold (Jena, Mannheim, Heidelberg, Freiburg, DE)

**Strain echocardiography in the assessment of left ventricular function is not affected by age or sex in healthy subjects.** 162

P. Lindqvist, C. Mellberg, U. Gustafsson, S. Morner (Umea, SE)

**Women have a higher regional systolic shortening than men: a strain rate imaging study in healthy subjects.** 163

L. Herbots, E. Eroglu, J. Ganame, D. Thijs, P. Boettler, P. Claus, F. Rademakers, J. D'hooge (Leuven, BE)

**Influence of ageing and gender on the ratio of early diastolic mitral inflow velocity to early diastolic annular velocity in normal population derived from quantitative 2-D colour tissue Doppler.** 164

W. Khan, A. Borg, S. Deepak, D. Fox, S.G. Williams, N.H. Brooks, S.G. Ray (Manchester, GB)

**Determinants of subclinical left ventricular dysfunction in premenopausal obese women.** 165

W. Kosmala, R. Plaksej, J. Kuliczowska-Plaksej, M. Przewlocka-Kosmala, G. Bednarek-Tupikowska, W. Mazurek (Wroclaw, PL)

**Longitudinal diastolic myocardial functions are affected by obesity in young people: a study of colour tissue Doppler imaging.** 166

S. Yuksel, O. Gulel, K. Soylyu, O. Kaplan, O. Yilmaz, H. Kahraman, M. Yazici, S. Demircan (Samsun, TR)

**Comparative analysis of integrated backscatter data obtained with two different imaging and analysis systems.** 167

M. Areces, J. Banchs, M. Holland, J.E. Perez (St. Louis, Clearwater, US)

**Isovolumic acceleration measured by tissue Doppler echocardiography is preload independent in healthy subjects.** 168

M. Dalsgaard, E.M. Snyder, J. Kjaergaard, J.K. Oh, C. Hassager, B.D. Johnson (Copenhagen, DK, Rochester, US)

**Normal heart with a systolic twist, a 2D-strain study.** 169

U. Gustafsson, C. Mellberg, P. Lindqvist, S. Morner, A. Waldenstrom (Umea, SE)

**Relation between aortic valve closure by high frame rate B-mode and end systolic events in tissue Doppler velocity/time curves.** 170

S. Aase, H. Torp, A. Stoylen (Trondheim, NO)

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08:30 - 12:30

Posters Session 1

**Stress echo in new clinical scenarios**

- Intraventricular gradients and systolic anterior movement of the mitral valve during exercise in young athletes. Fact or fantasy? 181  
C. Cotrim, M.J. Loureiro, O. Simoes, R. Miranda, L. Lopes, S. Almeida, P. Cordeiro, M. Carrageta (Almada, PT)
- Stress echocardiography for the diagnosis of pulmonary artery hypertension in patients with scleroderma. 182  
E. Moreno Escobar, E.M. Moreno, P.M. Martin, R.G. Orta, J.L.C. Callejas, N.O. Ortego, C.C. Correa (Granada, ES)
- Syndrome X: can the relationship between left ventricular contractility and coronary flow reserve shed light on the underlying mechanism? 183  
G. Ossena, F. Rigo, C. Piergentili, M. Richieri, C. Zanella, U. Coli, A. Raviele (Padua, Mestre-Venice, Mogliano Veneto, IT)
- The extent of subendocardial dysfunction in hypertrophic cardiomyopathy compared with basal septal hypertrophy of similar resting gradient. 184  
R. Chung, D. Maras, A. Duncan, C.A. O'sullivan, M.Y. Henein (London, GB)
- Apical ballooning syndrome: can microvascular dysfunction have a pivotal role? 185  
C. Piergentili, F. Rigo, G. Ossena, V. Cutaia, A. Raviele (Padua, Mestre-Venice, IT)
- Metabolic management of heart failure with trimetazidine and mildronat: sensitivity and specificity of stress-echocardiography in patients with severe systolic dysfunction. 186  
Y. Vasyuk, A. Hadzegova, E. Yuschuk, E. Shkolnik, M. Vahromeeva, N. Vitko (Moscow, RU)
- Evaluation of pulmonary pressure during exercise in athletes. Echocardiography study. 187  
A. Moretti, M.C.R. Vono, M. Gianassi, L. Toncelli, P. Manetti, V. Di Tante, L. Stefani, G. Galanti (Florence, IT)
- Prognostic value of pharmacological stress echocardiography in patients with hypercholesterolemia. 188  
P. Wejner-Mik, M. Ciesielczyk, P. Lipiec, J.D. Kasprzak (Lodz, PL)
- Usefulness of exercise echocardiography in patients with chronic obstructive pulmonary disease. 189  
E.P. Hoffer, M. Markov, F. Baharloo, J. Boland (Liege, BE)
- Arrhythmic disorders and physiologic response during dobutamine stress echocardiography after acute myocardial infarction, influence of diabetes on. 190  
S. Salinger, T. Stanojlovic, Z. Perisic, M. Tomasevic, S. Apostolovic, M. Randjelovic, N. Krstic, M. Milic (Nis, CS)
- Exercise-induced changes in the severity of mitral regurgitation among patients with chronic left ventricular ischemic dysfunction. Prevalence and clinical significance. 191  
J.-B. Le Polain de Waroux, P.V. Ennezat, A.C. Pouleur, J. Darchis, A.M. D'hondt, A. Pasquet, B.L. Gerber, J.L. Vanoverschelde (Brussels, BE, Lille, FR)



|                                                                                                                                                                                                                                                                                      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Can dobutamine stress echocardiography accurately detect significant LAD coronary artery disease in patients with left bundle branch block?<br>M. Makan, F. Lu, A. Rovner, J.A. St Vrain, J.E. Perez (St Louis, US )                                                                 | 203 |
| Short and long stress-echo protocols compared to coronary angiography.<br>L.H.B. Baur, P. Bisschops, T. Lenderink, C. Lodewijks (Heerlen, NL)                                                                                                                                        | 204 |
| Enhanced accuracy of dobutamine stress echocardiography with the acute administration of intravenous atenolol during the recovery phase.<br>J. Lowenstein, A. Lescano, A. Panaro, E. Forte, A. Garcia, G. Penalzoza, C. Quiroz, O. Montana (Buenos Aires, La Pampa, Ramos Mejia, AR) | 205 |
| The diagnostic accuracy of pharmacological stress echo: a meta-analysis.<br>E. Pasanisi, E. Picano (Pisa, IT)                                                                                                                                                                        | 206 |
| Stress echocardiography in the district hospital setting, A cost effective analysis.<br>N. Wennike, K. Greaves (Bournemouth, Poole, GB)                                                                                                                                              | 207 |
| Long term mortality in patients undergoing dobutamine stress echocardiography.<br>V. Danicek, E. Kaluski, M. Leitman, E. Peleg, N. Minulin, R. Krakover, Z. Vered (Zerifin, IL)                                                                                                      | 208 |
| Significance of severe hypotension during dobutamine stress echocardiography.<br>S. Karagiannis, M. Dunkelgrun, S.E. Karagiannis, A. Elhendy, R. Vandomburg, J. Bax, H. Feringa, O. Schouten, D. Poldermans (Athens, GR, Rotterdam, NL, Omaha,- US, Leiden, NL)                      | 209 |
| Insights from cardiac torsion Into the mechanism of maintaining cardiac output under tachycardia during dobutamine stress echocardiography.<br>M. Kato, S. Nakatani, T. Yoshimuta, H. Kanzaki, M. Kitakaze (Suita, JP)                                                               | 210 |
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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

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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.

### Vascular ultrasound and ventriculo-arterial coupling.

Chairpersons: M. Sugawara (Himeji, JP); H. Siniawski (Berlin, DE)

- Carotid arterial flow control in hypertensive patients- analysis by wave intensity. 383  
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- Left atrial enlargement and aortic stiffness in newly diagnosed subjects with essential hypertension. 384  
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14:00 - 18:00

Posters Session 2

**Heart valve disease.**

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