

14:30 - 16:00

KAFKA

**Special Czech Session**

**Chairperson: M. Henzlova (New York, US)**

14:30	Nuclear cardiology in the Czech Republic: current status and future possibilities. M. Kaminek (Olomouc - CZ)	1
14:40	Overview of nuclear cardiology and its clinical applications. R. Hendel (Fox River Grove - US)	2
14:55	Cardiac CT and nuclear cardiology. J.J. Bax (Leiden - NL)	3
15:10	Cost-effectiveness and efficiency of nuclear cardiology. L.J. Shaw (Atlanta - US)	4
15:25	The future of nuclear cardiology. R. Gropler (St. Louis - US)	5
15:40	Questions and discussion. M. Henzlova, M. Kaminek, R. Hendel, J.J. Bax, L.J. Shaw, R. Gropler (New York - US, Olomouc - CZ, Fox River Grove - US, Leiden - NL, Atlanta - US, St. Louis - US)	6

16:30 - 17:45

MUCHA

**Opening Ceremony**

**Chairpersons: A. Fikrle (Pilsen, CZ); O. Lang (Prague, CZ)**

16:30

Masters of Ceremonies.

A. Fikrle, O. Lang (Pilsen, Pribram - CZ)

16:33

Czech guest speaker.

16:46

Interlude - The Czech Boys Choir BONI PUERI.

16:58

Remarks from the President of the American Society of Nuclear Cardiology.

G.S. Thomas (Mission Viejo - US)

17:01

Remarks from the European Association of Nuclear Medicine.

F.M. Bengel (Baltimore - US)

17:04

Remarks from the European Society of Cardiology.

J.J. Bax (Leiden - NL)

17:06

Remarks from the Czech Society of Nuclear Medicine.

O. Belohlavek (Prague - CZ)

17:09

Remarks from the Czech Society of Cardiology.

M. Aschermann (Prague - CZ)

17:12

Cultural presentation - Antonín Dvořák:

The Czech Republic's Musical Ambassador to the World.

D. Beveridge (Vsenory - CZ)

17:27

Pianist - Lucie Valcova

17:42

Final remarks.

R. Hendel (Fox River Grove - US)

Followed by a cocktail reception  
in the Exhibition Area from 17:45 to 18:45

08:30 - 10:00

MUCHA

**Noninvasive imaging of coronary atherosclerosis**

**Advances in nuclear cardiology**

**Chairpersons: B. Zaret (New Haven, US); J.M. Knuuti (Turku, FI)**

08:30	The molecular basis of atherosclerosis. T. Kovanen (Helsinki - FI)	18
08:50	New tracers. H.W. Strauss (New York - US)	19
09:10	Role of nuclear techniques and hybrids. R. Gropler (St. Louis - US)	20
09:30	Role of cardiac CT and MRI. U. Sechtem (Stuttgart - DE)	21
09:50	Discussion.	22

08:30 - 12:30

POSTER AREA

**Clinical General**

**Poster Session I**

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 and 11:00) in order to discuss the poster.

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 below-mentioned chairpersons between 10:00 and 11:00.

**Chairpersons: A. Abreu (Lisbon - PT); W. Jaber (Cleveland - US)**

<b>The yield of myocardial perfusion SPECT in asymptomatic patients with atrial fibrillation.</b>	<b>23</b>
J. Askew, T. Miller, D. Hodge, R. Gibbons (Rochester - US)	
<b>Gated 99mTc-MIBI SPECT myocardial perfusion scintigraphy in the evaluation of patients with scleroderma (SC) - Preliminary report.</b>	<b>24</b>
A. Parfienczyk, F. Rogowski, P. Szumowski, J. Kita, S. Abdelrazek, A. Kociura-Sawicka, B. Kiersnowska-Rogowska, O. Kowal-Bielecka (Bialystok - PL)	
<b>Value of post stress myocardial stunning seen during gated SPECT in the detection of severe coronary artery disease.</b>	<b>25</b>
H. Salman, G.B. Biswas, S.M. Mohannadi, F.K. Kandari (Kuwait City - KW)	
<b>Can rest myocardial perfusion imaging provide additional information to clinical evaluation and admittance biochemical markers of myocardial necrosis regarding the occurrence of acute ischaemic events?</b>	<b>26</b>
M.J.V. Ferreira, A.I. Ferrer-Antunes, V. Rodrigues, F. Santos, J. Lima, M.D. Cerqueira, L.A. Providencia (Coimbra - PT, Cleveland - US)	
<b>Myocardial perfusion profile in young women and men with and without known coronary artery disease.</b>	<b>27</b>
N. Zafrir, I. Mats, A. Solodky, T. Ben Gal, R. Kornowski, J. Sulkes, A. Battler (Petah Tikva - IL)	
<b>Comparison of heart, liver and gastrointestinal activity of technetium 99m tetrofosmin and sestamibi and the effect on laboratory efficiency in 3000 patients.</b>	<b>28</b>
A. Mohamed Yusof, X. Wang, M. Cerqueira (Kuala Lumpur - MY, Cleveland - US)	
<b>Type II diabetes increases risk of myocardial ischaemia compared to non-diabetic patients with similar levels of coronary artery calcification.</b>	<b>29</b>
E.T.S. Lim, D.V. Anand, P. Jain, F. Gani, S. Torgalkar, J. Kooner, A. Lahiri (London - GB)	
<b>End systolic volume: best predictor of mortality in 1,898 elderly dual isotope pharmacologic stress patients.</b>	<b>30</b>
D. Kwon, M.S. Lauer, M.D. Cerqueira, W.A. Jaber (Cleveland - US)	
<b>ECG-gated Tc-99m sestamibi stress myocardial perfusion SPECT imaging predicts major cardiac events in the elderly - A prospective multicentre trial in Japan, Q-PROVE Study.</b>	<b>31</b>
Y. Kuwabara, M. Fujita, I. Komuro, T. Nagao, S. Hida, A. Yamashina, S. Nishimura, J. Yamazaki (Chiba, Tokyo, Saitama - JP)	
<b>A pilot study evaluating the predictive value of noninvasive pharmacological cardiovascular stress testing before orthopaedic surgery.</b>	<b>32</b>
A.G. Montgomery, K.Y. Gulenchyn, G. Sumner, E. Lonn, O. Salehian, J. Debeer, M. Bhandari, P.J. Devereaux (Hamilton - CA)	
<b>Evaluation of infarct size in patients with acute myocardial infarction treated by primary coronary intervention after intracoronary or intravenously bolus administration of Abciximab.</b>	<b>33</b>
N. Durel, J. Lipiecki, F. Cachin, P. Chabrot, J. Maublant, L. Boyer, J. Ponsonnaille (Clermont Ferrand - FR)	

- 18F Fluoromisonidazole is selectively retained in ischaemic human myocardium during dobutamine stress: a pilot study.** 34  
D.P. Dutka, S.P. Hoole, P.M. Heck, S.N. Khan, T. Fryer (Cambridge - GB)
- Acute myocardial perfusion imaging (MPI) - A useful tool for evaluation of therapeutic modalities & a predictor of urgent need for revascularisation in acute coronary syndromes (ACS).** 35  
A.M. Abd Elbary, W. Sami, O. Tayeh, A. Hussein, L. Hamed, A. Allam, A. Abdelfattah, S. Mokhtar (Cairo - EG)
- Mismatch area within non-infarcted myocardium using 123I-BMIPP/Tl-201 images might have improved left ventricular functional outcome after acute myocardial infarction.** 36  
Y. Watanabe, R. Yamauchi, H. Higuchi, A. Yukawa, A. Suzuki, K. Tanaka, N. Ejiri (Hitachi - JP)
- Photon attenuation and scatter corrections for the myocardial uptake in I-123 MIBG SPECT using a CT-SPECT combined system.** 37  
A. Okizaki, N. Shuke, J. Sato, N. Hasebe, K. Kikuchi, T. Aburano (Asahikawa - JP)
- Myocardial perfusion imaging with a combined SPECT/multislice CT.** 38  
J. Kuikka, T. Kangasmaa, E. Vanninen (Kuopio - FI)
- Low dose CT derived attenuation correction for myocardial perfusion SPECT imaging.** 39  
E. Fricke, R. Preuss, R. Weise, O. Lindner, W. Burchert (Bad Oeynhausen - DE)
- Combined low level treadmill-dipyridamol versus dipyridamol stress protocol in patients undergoing SPECT MPI.** 40  
M. Vavlukis, J. Maksimovic, D. Popgorceva, V. Majstorov, M. Zdravevska, I. Peovska, N. Kostova, B. Taneva (Skopje - MK)
- Interpretative reproducibility of cardiac stress imaging: direct comparison between dobutamine echocardiography and single photon emission computed tomography.** 41  
A. Ferro, L. Spinelli, W. Acampa, T. Pellegrino, F. Ricci, L. Evangelista, L. Luongo, A. Cuocolo (Naples - IT)
- The advantage of lateral decubitus planar image as compared to prone myocardial perfusion SPECT in detecting inferior wall attenuation artifact.** 42  
J. Khoury (Ibillin, Nahariya - IL)
- Correlation of coronary computed tomography and myocardial perfusion scintigraphy in paediatric patients.** 43  
P. Kiratli, G.K. Gedik, S. Ozkutlu (Ankara - TR)
- New epicardial segmentation system related to the standard left ventricular segments - validation by CT and autopsy studies.** 44  
Z. Koszegi, R. Veisz, P. Gergely, L. Balkay, D. Apro, L. Herczeg, I. Edes (Debrecen, Balatonfured - HU)
- New clinical usefulness of distributional heterogeneity of washout rate by 123I-MIBG myocardial scintigraphy in patients with chronic heart failure.** 45  
A. Suzuki, Y. Watanabe, A. Yukawa, R. Yamauchi, K. Tanaka, T. Higuchi, Y. Takei, N. Ejiri (Hitachi - JP)
- Different pathophysiologic patterns underlying dysfunctional myocardium in patients with ischaemic dilated cardiomyopathy: the important role of stress-induced ischaemia.** 46  
M. Spadafora, G. Peluso, P. Varrella, M. Spirito, L. Mansi, P. Miletto, G. Rosato, A. Cuocolo (Avellino, Naples - IT)
- Clinical characteristics and outcome of patients with ischaemic cardiomyopathy and previous coronary intervention referred for myocardial perfusion imaging.** 47  
N. Zafrir, I. Mats, T. Ben-Gal, R. Kornowski, J. Sulkes, A. Battler, A. Solodky (Petah Tikva - IL)
- Ejection fraction and volume overload predict the long-term outcome of patients with heart failure undergoing cardiac resynchronisation therapy.** 48  
G. Valle, M. Stanislao, A. Gimelli, G. Martino, V. Frusciantè, D. Potenza, R. Massaro, P. Marzullo (San Giovanni Rotondo, Pisa - IT)
- Combined assessment of cardiac sympathetic nerve activity and myocardial perfusion can predict lethal cardiac events in patients with dilated cardiomyopathy.** 49  
T. Nakata, N. Kaneko, T. Wakabayashi, K. Tsuchihashi, K. Shimamoto (Sapporo - JP)
- Is there an incremental value to stress imaging in patients with a low ejection fraction and normal perfusion on rest myocardial perfusion imaging?** 50  
L. Rudraiah, L.R. Lalitha Rudraiah, A. Kottam, M.A. Kizilbash, F. Prigent (West Bloomfield, Detroit - US)
- Extent of myocardial scar: does it affect improvement of neurohormonal activation after levosimendan infusion?** 51  
A.N. Kitsiou, P. Kelepouris, A. Anadiotis, E. Antonopoulos, S. Karas (Athens - GR)
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T. Nakajima, K. Shibuya, M. Momose, C. Kondo, A. Shimada, Y. Miyata, K. Kusakabe, H. Kasanuki (Tokyo, Miyagi Pref - JP)

- Quantitative assessment of myocardial 123I-BMIPP uptake in patients with non-*ischaemic heart failure: effects of structural and functional differences.*** 53  
H. Takase, T. Toriyama, T. Okado, S. Tanaka, M. Sasaki, H. Ishikawa, H. Kawai, Y. Dohi (Hamamatsu, Nagoya - JP)
- Does 201Tl and 123I-BMIPP mismatch uptake really reflect myocardial *ischaemia* in patients undergoing as screening tests of *ischaemic heart disease*?** 54  
A.N. Nakamura, M.M. Momose, C.K. Kondo, T.K. Nakajima, H.K. Hiroshi, K.K. Kusakabe (Tokyo - JP)
- Prognostic value of nitrate SPECT imaging in patients with *ischaemic left ventricular dysfunction.*** 55  
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- Cardiac myocytes DNA repair of MDX and C57Bl/6 mice.** *Abstract Withdrawn* 56  
I. Vezhenkova (Saint-Petersburg - RU)
- Combined thallium SPECT and dobutamine echocardiography could be insufficient to select patients with severely impaired left ventricular function for revascularisation.** 57  
P. Jaafar, F. Valette, M. Burban, J.P. Gueffet, J.N. Trochu, J. Helias (Nantes - FR)
- The first use of in vivo radioguided surgery to discriminate viable myocardium and scar in patients undergoing surgical endoventricular plasty, evaluated by mid-term effects on LV reverse remodelling.** 58  
M. Spadafora, P. Ferrara, P. Varrella, G. Peluso, V. Rizzo, P. Miletto, G. Rosato, A. Cuocolo (Avellino, Naples - IT)
- Hibernating left ventricular aneurysm with Tc-99m tetrofosmin SPECT late after anterior myocardial infarction - sometimes there is no "too late" for myocardial revascularisation.** 59  
A.-G. Fruntelata, R. Vladescu, C. Popescu, S.M. Balanescu, R. Niculescu, M. Dorobantu (Bucharest - RO)
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M. Pellini, R.S.L. Lima, M.P. Pellini, A.R. De Lorenzo, C. Mesquita (Rio de Janeiro - BR)
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P.S. Palaniswamy, S. Padma, K.K. Haridas, P. Kamath, S. Kumar, P. Kumar (Cochin - IN)
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J. Lee, J.H. Seo, S.M. Kang, S.W. Lee, B.C. Ahn, H.S. Bom, I.H. Cho (Taegu, Daegu, Gwangju - KR)
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M. Kostkiewicz, P. Wilkolek, W.M. Szot, W. Tracz (Krakow - PL)
- Prognostic value of gated myocardial perfusion SPECT in women and men post PCI and stenting. An evaluation of gender differences in outcomes.** 68  
M. Mazzanti, M. Marini, U. Berrettini, S. Golini, G.P. Perna (Ancona, Civitanova Marche - IT)
- Changes in myocardial perfusion and function after PCI in patients with chronic total occlusion of a coronary artery disease without prior MI.** 69  
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- Role of gated single photon emission tomography in prediction of all events in patients with previous revascularisation.** 71  
K. Elsaban, H. Nasr, M. Abd Elghany, T. Ruddy, M. Elgabaly, H. Moustafa (Cairo - EG, Ottawa - CA)
- Tc-99m-MIBI Gated SPECT in acute myocardial infarction: assessment of tissue perfusion and myocardial salvage after angiographically successful primary percutaneous coronary intervention.** 72  
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M. Caglar, E. Ergun, M.F. Bozkurt, H. Ergun (Ankara - TR)	
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A. Notghi, F. Sundram, N.B. Smith, M. Ebanks, S. Mostafa (Birmingham - GB)	
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J. Maddahi, R. Mendez, B. Chuanyong, R. Conwell, H. Balba, S. Arram, R. Weatherhead (Los Angeles, Poway - US)	

MUCHA

**Role of imaging techniques in the course of CAD: from preclinical detection to ischaemia Supported by Bracco Diagnostics Inc in the form of an Unrestricted Educational Grant Chairpersons: U. Sechtem (Stuttgart, DE); O. Lang (Pribram, CZ)**

11:00 Multislice CT and EBCT.	86
T. Callister (Hendersonville - US)	
11:20 Echo and MRI.	87
J.J. Bax (Leiden - NL)	
11:40 SPECT and SPECT/CT.	88
K. Allman (Sydney - AU)	
12:00 PET.	89
T.M. Bateman (Kansas City - US)	
12:20 Discussion.	90

11:00 - 12:30

DVORAK

**Imaging restorative therapies**

**Advances in nuclear cardiology**

**Chairpersons: L. Hofstra (Maastricht, NL); E. Alexanderson (Mexico City, MX)**

11:00	Overview of cellular therapies. O. Rimoldi (London - GB)	91
11:20	Direct radiolabelling of cells. W. Brenner (Hamburg - DE)	92
11:40	Cell tracking and homing. F.M. Bengel (Baltimore - US)	93
12:00	Assessment of clinical endpoints. J. Bartunek (Aalst - BE)	94
12:20	Discussion.	95

11:00 - 12:30

MENDEL

**How to select and perform cardiac stress**

**Essential cardiology for nuclear physicians**

**Chairpersons: J.A. Leppo (Pittsfield, US); N. Zafrir (Petah Tikva, IL)**

11:00	Exercise, safety of stress lab. M. Mazzanti (Ancona - IT)	96
11:20	Vasodilators. J.A. Leppo (Pittsfield - US)	97
11:40	Dobutamine. C. Marcassa (Veruno - IT)	98
12:00	Combined protocols. G.S. Thomas (Mission Viejo - US)	99
12:20	Discussion.	100

11:00 - 12:30

KAFKA

**Interpreting ECG-gated myocardial perfusion SPECT:  
systematic approach to common and challenging cases**

**Read with the Experts**

11:00	Speaker I. J. Maddahi (Los Angeles - US)	101
11:45	Speaker II. P. Smanio (Sao Paulo - BR)	102

**12:35 - 13:50**

**DVORAK**

**A<sub>2</sub>A receptor agonists: the future of pharmacological stress testing?**

**User Group Session organised by CV Therapeutics Europe**

**Chairpersons: M. Cerqueira (Cleveland, US); S.R. Underwood (London, GB)**

12:35	Welcome and introduction. M. Cerqueira (Cleveland - US)	103
12:40	Principles of A <sub>2</sub> A agonism - Does this provide us with a new target for pharmacological stress agents? L. Belardinelli (Palo Alto - US)	104
12:55	Effect of regadenoson on CBF: caffeine interaction. P.A. Kaufmann (Zurich - CH)	105
13:10	Advance MPI: comprehensive analyses of regadenoson and adenosine stress MPI. M. Cerqueira (Cleveland - US)	106
13:25	Advanced MPI: estimated sensitivity and specificity of stress MPI with angiography. R. Senior (Harrow - GB)	107
13:40	Conclusions and summary. S.R. Underwood (London - GB)	108

**12:35 - 13:50**

**MENDEL**

**Philips 2007 lunch symposium**

**Satellite Symposium organised by Philips Medical Systems**

**Chairpersons: B. Leidekker (Best, NL); M. Gheeraert (Eindhoven, NL)**

12:35	Introduction. M. Gheeraert (Eindhoven - NL)	109
12:40	High quality half-time imaging - Clinical evidence and practical implementation. G.V. Heller (Hartford - US)	110
13:00	Advanced diagnostic SPECT-CT in cardiology imaging. J.J. Mahmarian (Houston - US)	111
13:20	Improving accuracy and efficiency of SPECT interpretation. P.J. Slomka (Los Angeles - US)	112
13:40	Q & A.	113
13:45	Conclusion. B. Leidekker (Best - NL)	114

**12:35 - 13:50**

**KAFKA**

**Molecular imaging - Innovation in cardiology**

**Satellite Symposium organised by Siemens AG Medical Solutions**

**Chairpersons: H.R. Schelbert (Los Angeles, US); M. Kaminek (Olomouc, CZ)**

12:35	Welcome and introduction. M. Kaminek (Olomouc - CZ)	115
12:40	Molecular and multimodality imaging of cardiovascular diseases: from mouse to man. L. Stegger (Munster - DE)	116
13:00	PET/CT - new opportunities. H.R. Schelbert (Los Angeles - US)	117
13:20	A dedicated cardiac SPECT camera - Clinical benefit. K.P. Bergmann (Erlangen - DE)	118
13:40	Q & A.	119
13:45	Conclusion. M. Kaminek (Olomouc - CZ)	120

14:00 - 15:30

MUCHA

**Prognostic evaluation of special patient populations**

Core Curriculum

**Chairpersons: L.J. Shaw (Atlanta, US); P. Perrone-Filardi (Naples, IT)**

14:00	Women. L.J. Shaw (Atlanta - US)	121
14:20	The elderly patient. M. Cohen (Portland - US)	122
14:40	Diabetes mellitus. F. Wackers (New Haven - US)	123
15:00	End-stage renal disease. K.A. Williams (Chicago - US)	124
15:20	Discussion.	125

14:00 - 15:30

DVORAK

**Ischaemia**

Oral abstract session I

**Chairpersons: J.V. Vitola (Curitiba, BR); M. Aschermann (Prague, CZ)**

14:00	Myocardial perfusion abnormality in asymptomatic subjects with non-calcified coronary arteries and normal carotid arteries and its related risk factors. K. Nakagawa, M. Daimon, K. Uno, I. Komuro (Chiba, Tokyo - JP)	126
14:15	Perfusion defects and non-obstructive coronary artery disease. Prevalence of abnormal vasomotion and relation to atherosclerotic burden. E. Verna, S. Ghiringhelli, S. Provasoli, R. Bugiardini, S. Scotti (Ghiffa, Varese, Bologna - IT)	127
14:30	Long-term survival following Myoview SPECT myocardial perfusion imaging. A. Jacobson, N. Khutoryansky (Princeton - US)	128
14:45	Response to aggressive lipid lowering therapy - correlation between outcomes, blood lipids, carotid arteries and exercise-gated SPECT data. T. Vakhtangadze, M. Baramia, T. Aleksishvili (Tbilisi - GE)	129
15:00	Silent ischaemia post - PCI in the drug eluting stent era. M.J. Zellweger, C. Kaiser, H.P. Brunner, P.H. Weiss, J. Mueller-Brand, M.E. Pfisterer (Basel - CH)	130
15:15	Incremental prognostic value of 99mTc-tetrofosmin gated SPECT perfusion imaging in patients with previous coronary revascularisation. K. Elsaban, H. Moustafa, H. Nasr, M. Dalipaj, F. Fuller, G. Wells, T. Ruddy (Cairo - EG, Ontario - CA)	131

14:00 - 15:30

MENDEL

**Advances in instrumentation**

Advances in nuclear cardiology

**Chairpersons: E. Garcia (Atlanta, US); E. Ficaro (Ann Arbor, US)**

14:00	SPECT and dynamic SPECT. E. Ficaro (Ann Arbor - US)	132
14:20	CT. S. Halliburton (Cleveland - US)	133
14:40	PET- CT and SPECT-CT systems. J.A. Case (Kansas City - US)	134
15:00	MRI. S. Nekolla (Munich - DE)	135
15:20	Discussion.	136

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KAFKA

**Young Investigator Session**

Oral abstract session

**Chairpersons: P.L. Pieri (Cesena, IT); B. Zaret (New Haven, US)**

	Judges for Young Investigator Award. J.J. Bax, F.M. Bengel, N. Tamaki, D. Le Guludec, J. Maddahi, G.A. Beller (Leiden - NL, Baltimore - US, Sapporo - JP, Paris - FR, Los Angeles, Charlottesville - US)	137
14:00	Combined abnormal perfusion reserve and coronary atherosclerosis burden outlined by Rb-82 myocardial perfusion PET/CT. B.-L. Hsu, T.M. Bateman, A.I. Mcghie, K.A. Bybee, J.H. Okeefe, R.C. Thompson (Kansas City - US)	138

## 14:00 - 15:30

KAFKA

- 14:15 Determinants of coronary microvascular dysfunction in symptomatic hypertrophic obstructive cardiomyopathy. 139  
P. Knaapen, T. Germans, P.G. Camici, F.J. Ten Cate, J.M. Ten Berg, A.C. Van Rossum, A.A. Lammertsma, F.C. Visser (London - GB, Amsterdam, Rotterdam, Nieuwegein - NL)
- 14:30 Cardiac presynaptic autonomic dysfunction in patients with long QT syndrome is not correlated with genotype. 140  
P. Kies, G. Moennig, L. Stegger, O. Schober, E. Schulze-Bahr, M. Schaefers (Munster - DE)
- 14:45 Dysinnervation of viable myocardium as a substrate for post-infarct ventricular tachycardia. 141  
T. Sasano, M.R. Abraham, R.F. Dannals, E. Marban, A.C. Lardo, S. Nekolla, J. Hilton, F.M. Bengel (Baltimore - US, Munich - DE)
- 15:00 Free fatty acid depletion acutely decreases cardiac work and efficiency in cardiomyopathic heart failure. 142  
H. Tuunanen, E. Engblom, K.E.J. Airaksinen, P. Nuutila, B. Hesse, H. Ukkonen, L. Opie, J. Knuuti (Turku - FI, Copenhagen - DK, Cape Town - ZA)
- 15:15 Value of stress induced chest pain in the diagnosis of clinically significant myocardial ischaemia by SPECT myocardial perfusion scintigraphy. *Abstract Withdrawn* 143  
S. Yoder, D. Crane, S.R. Yoder, O. Wexler, M. Mackin, H. Mieszczyńska, R.G. Schwartz (Rochester, Ann Arbor, Rochester, - US)

## 14:00 - 18:00

POSTER AREA

### Clinical General and PET / CT

Poster Session II

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 and 16:30) in order to discuss the poster.

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 below-mentioned chairpersons between 15:30 and 16:30.

**Chairpersons: R. Nohara (Osaka - JP); PJ. Slomka (Los Angeles - US)**

- Impact of type 2 diabetes on nitric oxide and adrenergic modulation of myocardial perfusion.** 144  
M.M. Madsen, H.M. Sondergaard, M. Bottcher, N.H. Buus, O. Schmitz, H.E. Botker, T.T. Nielsen (Aarhus - DK)
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- The impact of CT-angio in volume of nuclear stress tests, cardiac cath PCIs and CABG.** 205  
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MUCHA

**Debate: stand alone or stand united?**

**Core curriculum**

- Chairpersons: H. Sochor (Vienna, AT); E. Garcia (Atlanta, US)**
- 16:30 Part I - Hybrid SPECT / CT is greater than the sum of its parts.
- 16:30 Protagonist. 207  
 M. Cerqueira (Cleveland - US)
- 16:45 Antagonist. 208  
 J. Ziffer (Miami - US)
- 17:00 Rebuttal.
- 17:05 Rebuttal.
- 17:10 Conclusion.
- 17:15 Part II - Hybrid PET / CT is greater than the sum of its parts.
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 M.F. Di Carli (Boston - US)
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 P.A. Kaufmann (Zurich - CH)
- 17:45 Rebuttal.
- 17:50 Rebuttal.
- 17:55 Conclusion.

**16:30 - 18:00**

**DVORAK**

**Absolute measurements of myocardial perfusion**

**Advances in nuclear cardiology**

**Chairpersons: P.G. Camici (London, GB); M. Bottcher (Egaa, DK)**

16:30	Why is it important? P.G. Camici (London - GB)	218
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17:10	MRI. U. Sechtem (Stuttgart - DE)	220
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**16:30 - 18:00**

**MENDEL**

**Tracers for nuclear cardiology**

**Essential nuclear medicine for cardiologists**

**Chairpersons: R. Beanlands (Ottawa, CA); J.C. Meneghetti (Sao Paulo, BR)**

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17:10	Tracers for metabolic imaging. N. Tamaki (Sapporo - JP)	225
17:30	Tracers for innervation and receptors. A. Flotats (Barcelona - ES)	226
17:50	Discussion.	227

**16:30 - 18:00**

**KAFKA**

**Performing and interpreting viability imaging:  
how to use perfusion, metabolism, and infarct imaging**

**Read with the Experts**

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## Evening Session

**DVORAK**

**Myocardial perfusion, function and fatty acid imaging for diagnosing CAD**

**User Group Session organised by Nihon Medi-physics co., Ltd.**

**Chairpersons: R. Nohara (Osaka, JP); M. Cerqueira (Cleveland, US)**

18:15	Contrivance for improvement of SPECT image quality with 99mTc myocardial perfusion imaging agents. H. Monzen (Otsu - JP)	230
18:33	Impact of post-stress transient cardiac dysfunction - Diagnostic contribution of diastolic stunning. T. Kasai (Tokyo - JP)	231
18:51	Impact of hypoadiponectinaemia on altered cardiac fatty acid metabolism and cardiac hypertrophy. Y. Arita (Osaka - JP)	232
19:09	Prognostic value of BMIPP in patients with angina pectoris without prior myocardial infarction in comparison with stress thallium imaging. T. Matsuki (Hokkaido - JP)	233
19:27	Hybrid nuclear and CT imaging: new perspective for the diagnosis of CAD. P.A. Kaufmann (Zurich - CH)	234

08:30 - 10:00

MUCHA

**Nuclear imaging and the guidelines**

Core curriculum

**Chairpersons: S.R. Underwood (London, GB); M. Cerqueira (Cleveland, US)**

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08:30 - 10:00

DVORAK

**Special Populations**

Oral abstract session II

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08:30	Detection of silent coronary artery disease in children with familial hypercholesterolaemia by gated myocardial perfusion study. P. Kiratli, M. Caglar, S. Ozkutlu (Ankara - TR)	240
08:45	Prognostic value of normal stress myocardial perfusion imaging in dialysis patients with intermediate coronary artery stenosis. T. Furuhashi, M. Moroi, H. Hase, T. Kunimasa, R. Nakazato, H. Fukuda, K. Sugi (Tokyo - JP)	241
09:00	The difference of the predictors of the cardiac event between asymptomatic diabetic patients with previous coronary artery disease and those without. H. Fukuda, R. Nakazato, T. Furuhashi, M. Moroi, Y. Tanaka, H. Ishikawa, Y. Inishi, H. Hase (Tokyo - JP)	242
09:15	Incidence of myocardial ischaemia in young patients with systemic lupus erythematosus and no known coronary artery disease. O. Masoli, M. Redruello, R. Perez, C. Collaud, M. Khoury, L. Grynberg, N. Perez Balino, A. Allievi (Buenos Aires - AR)	243
09:30	Prognostic value of stress TI-201 myocardial perfusion SPECT imaging in patients with decreased glomerular filtration rate. S. Livshitz, H. Knobler, T. Zornitski, S. Vered, M. Oettinger, R. Levi, D. Faraggi, A. Caspi (Rehovot, Haifa - IL)	244
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08:30 - 10:00

MENDEL

**New tracers and stressors**

Advances in nuclear cardiology

**Chairpersons: D.K. Glover (Charlottesville, US); J. Maddahi (Los Angeles, US)**

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09:20	A <sub>2</sub> A agents. D.K. Glover (Charlottesville - US)	248
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08:30 - 10:00

KAFKA

**Optimising evaluation of cardiac function: gated SPECT, planar and SPECT RVG, and first pass RNA**

Read with the Experts

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**Clinical Outcome**

**Poster Session III**

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 and 11:00) in order to discuss the poster.

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 below-mentioned chairpersons between 10:00 and 11:00.

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I.P. Clements, D.O. Hodge, C.G. Scott (Rochester - US)

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- Prognostic implication of myocardial perfusion gated SPECT in multiple coronary interventions.** 314  
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- Impact of statin therapy on endothelial dysfunction in patients with metabolic syndrome.** 315  
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MUCHA

**State-of-the-art in SPECT imaging technology**

Core curriculum

**Chairpersons: J.A. Case (Kansas City, US); A. Fikrle (Pilsen, CZ)**

- 11:00 Attenuation correction. 318  
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- 11:20 ECG-gating. 319  
G. Germano (Los Angeles - US)
- 11:40 Quantitative analysis to improve reproducibility. 320  
E. Garcia (Atlanta - US)
- 12:00 SPECT-CT hybrid systems. 321  
J.A. Case (Kansas City - US)
- 12:20 Discussion. 322

DVORAK

**Advances in small animal imaging**

Advances in nuclear cardiology

**Chairpersons: R. Gropler (St. Louis, US); M. Henzlova (New York, US)**

- 11:00 New applications in understanding cardiovascular biology. 323  
F.M. Bengel (Baltimore - US)
- 11:20 Hybrid systems. 324  
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- 11:40 Improved quantification with ECG-gating. 325  
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- 12:00 New reconstruction algorithms. 326  
B.M.W. Tsui (Baltimore - US)
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11:00 - 12:30

MENDEL

**How to perform SPECT and SPECT/CT studies?**

**Essential nuclear medicine for cardiologists**

**Chairpersons: C. Anagnostopoulos (London, GB); A. Mann (Hartford, US)**

11:00	Hybrid systems. B.M.W. Tsui (Baltimore - US)	328
11:20	Assessing cardiac function. M. Mazzanti (Ancona - IT)	329
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11:00 - 12:30

KAFKA

**Identifying and troubleshooting image artifacts:  
stand-alone and hybrid systems**

**Read with the Experts**

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11:45	Speaker II. J. Machac (New York - US)	334

12:35 - 13:50

DVORAK

**Recent evidence for risk assessment using pharmacologic SPECT MPI**

**User Group Session organised by Astellas Pharma US, Inc**

**Chairperson: R. Hendel (Fox River Grove - US); M. Schwaiger (Munich, DE)**

12:35	Introduction. R. Hendel (Fox River Grove - US)	335
12:40	Updates on risk stratification and upcoming results from the COURAGE Trial. L.J. Shaw (Atlanta - US)	336
12:55	Diabetes: Initial prevalence and subsequent regression of silent myocardial ischaemia. F. Wackers (New Haven - US)	337
13:10	The clinical role of pharmacologic SPECT imaging in women with suspected CAD. J.H. Mieres (New York - US)	338
13:25	Post-MI risk stratification: the INSPIRE Trial. J.J. Mahmarian (Houston - US)	339
13:40	Conclusion. M. Schwaiger (Munich - DE)	

12:35 - 13:50

KAFKA

**Molecular imaging re-imagined: latest advances in cardiology**

**Satellite Symposium organised by GE Healthcare**

**Chairpersons: J.J. Bax (Leiden, NL); S.R. Underwood (London, GB)**

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12:40	Hybrid nuclear and CT imaging: new perspective for the diagnosis of coronary artery disease. P.A. Kaufmann (Zurich - CH)	342
12:55	Complementary roles of MSCT and SPECT in diagnosing CAD. J.J. Bax (Leiden - NL)	343
13:10	What is the optimal method for ischaemia evaluation in women? Study design. G.V. Heller (Hartford - US)	344
13:25	Perfusion, function and innervation imaging: impact on the CAD & CHF diagnosis. G. Sambuceti (Pisa - IT)	345
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13:45	Conclusion. S.R. Underwood (London - GB)	347

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MUCHA

**Current and future initiatives to improve quality**

Core curriculum

**Chairpersons: R. Hendel (Fox River Grove, US); G.S. Thomas (Mission Viejo, US)**

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14:20	Lab accreditation. G.V. Heller (Hartford - US)	349
14:40	Appropriateness guidelines. R. Hendel (Fox River Grove - US)	350
15:00	Pay for performance. K.A. Williams (Chicago - US)	351
15:20	Discussion.	352

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DVORAK

**Technical**

Oral abstract session III

**Chairpersons: J. Bakala (Zlin, CZ); P. Knaapen (Amsterdam, NL)**

14:00	The H/M ratio in a I-123 MIBG scan cannot be accurately measured using a low-energy collimator without scatter correction. A. Fletcher, D.W. Motherwell, G. Mccurrach, A.D. Small, W. Martin, S.M. Cobbe (Glasgow - GB)	353
14:15	What is the upper limit of normal for "TID ratio" using a one-day stress-rest technetium-99m protocol, and does it vary with left ventricular chamber volume? F. Ghiotto, A.D. Kelion (Harefield - GB)	354
14:30	Correlation of left ventricular ejection fraction and left ventricular volumes between attenuation-corrected and non-attenuation corrected gated SPECT images using x-ray computed tomography. E. Vallejo, G. Tolosa, F. Roffe, L. Jimenez, S. Hernandez, D. Bialostozky (Mexico City - MX)	355
14:45	Wide beam reconstruction technology - Does it respect myocardial perfusion SPECT functional parameters? G. Cantinho, H. Pena, S.C. Shwartz, J. Monteiro, L. Pereira, D. Cerqueira, F. Godinho (Lisbon - PT, Haifa - IL)	356
15:00	Comparison of filtered backprojection and iterative reconstruction in myocardial SPECT imaging. P. Thorley, L. Homer, B.L. Gawthorpe, C. Dickinson, J.P. Greenwood, J.F. Younger (Leeds - GB)	357
15:15	The correlation of ejection fraction and end systolic volume in gated SPECT: should we report one or both? R.A. Peace, J.J. Lloyd (Newcastle Upon Tyne - GB)	358

14:00 - 15:30

MENDEL

**Cardiac CT - Beyond calcium scoring and CTA**

Advances in nuclear cardiology

**Chairpersons: J.J. Mahmarian (Houston, US); S. Schroeder (Tuebingen, DE)**

14:00	Assessment of acute chest pain. J. Ziffer (Miami - US)	359
14:20	Characterisation of anatomy and morphology. J.D. Schuijf (Leiden - NL)	360
14:40	Assessment of valvular and ventricular function. A. Schermund (Frankfurt am Main - DE)	361
15:00	Perfusion and infarction. J.A.C. Lima (Baltimore - US)	362
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14:00 - 15:30

KAFKA

**Optimising evaluation of coronary anatomy, perfusion and metabolism using hybrid imaging**

Read with the Experts

14:00	Speaker I. D. Berman (Los Angeles - US)	364
14:45	Speaker II. F. Cademartiri (Parma - IT)	365

**Experimental and Instrumentation**

**Poster Session IV**

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 and 16:30) in order to discuss the poster.

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 below-mentioned chairpersons between 15:30 and 16:30.

**Chairpersons: R. Russell (New Haven - US); P. Muto (Naples - IT)**

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- Distal protection techniques with preintervention intravascular ultrasound imaging salvage myocardium in patients with acute myocardial infarction.** 367  
R. Nakazato, M. Moroi, T. Furuhashi, H. Fukuda, K. Sugi (Tokyo - JP)
- Safety of regadenoson, an adenosine A2A receptor agonist, in patients with asthma: a randomised, double-blind, placebo-controlled trial.** 368  
B.R. Leaker, B. O'connor, A. Olmsted, V.S. Mathur, H.D. Lieu (London - GB, Palo Alto - US)
- The yield of applying ADA guidelines for silent ischaemia in hypertensive and hypertensive diabetic patients as evaluated by dipyridamole sestamibi myocardial perfusion imaging.** 369  
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- Radiation dose to the breast and estimated breast cancer risk in women from 64-slice CT coronary angiography: insights from the Biological Effects of Ionizing Radiation (BEIR) VII report.** 370  
A.J. Einstein, M.J. Henzlova, S. Rajagopalan (New York, Columbus - US)
- Estimation of coronary flow reserve by sestamibi imaging in type 2 diabetic patients with normal coronary arteries.** 371  
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- Ruptured plaque is associated with larger necrosis and poor functional recovery following acute myocardial infarction.** 372  
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- Clinical utility of 64-detector computed tomography in patients with atypical angina.** 373  
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A. Martinez-Moeller, N. Navab, M. Schwaiger, S. Nekolla (Munich - DE)
- Evidences of cardiac sarcoidosis: comparison of SPECT and delayed-enhanced MRI.** 375  
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J. Wong, O. Tann, N. Garvie (London - GB)
- Prediction of silent myocardial ischaemia in metabolic syndrome patients by Tc99m MIBI gated SPECT.** 378  
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- Imaging apoptosis in myocardial infarction with 111In-labelled Annexin A5.** 379  
S. Fujimoto, A. Donohue, M. Sarai, S. Isobe, L. Hofstra, C. Reutelingsperger, A. Petrov, J. Narula (Irvine - US, Maastricht - NL)
- Imaging of human inflammatory plaques using 11C-PK11195 and 18F-FDG.** 380  
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- Local IGF-1 gene delivery post myocardial infarction affects temporal and regional Alpha-v integrin activation as assessed with radiolabelled RGD peptide.** 381  
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MUCHA

**Assessment of myocardial viability**

**Core curriculum**

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A. Cuocolo (Naples - IT)
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J. Knuuti (Turku, FI)
- 17:50 Discussion. 437

DVORAK

**Clinical Applications**

**Oral abstract session IV**

**Chairpersons: H.W. Strauss (New York, US); R. Beanlands (Ottawa, CA)**

- 16:30 Iodine 123 15-(p-iodophenyl)-3-(R,S) methylpentadecanoic acid imaging provide independent information for prognostic risk stratification in patients with unstable angina. 438  
S. Fukuzawa, S. Ozawa, M. Inagaki, J. Sugioka, S. Okino, A. Ikeda, S. Ichikawa, R. Sakurai (Funabashi - JP)
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16:30 - 18:00

DVORAK

- 17:00 The safety and efficacy of regadenoson myocardial perfusion scintigraphy in women. 440  
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16:30 - 18:00

MENDEL

**Management of the heart failure patient  
Beyond LV functional assessments**

**Advances in nuclear cardiology**

**Chairpersons: I. Carrio (Barcelona, ES); R. Nohara (Osaka, JP)**

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- 16:50 Metabolic remodelling. 445  
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J. Narula (Orange - US)
- 17:30 Neuronal and receptor function. 447  
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- 17:50 Discussion. 448

16:30 - 18:00

KAFKA

**How to perform PET and PET/CT studies?**

**Essential nuclear medicine for cardiologists**

**Chairpersons: P.A. Kaufmann (Zurich, CH); H.J. Ukkonen (Turku, FI)**

- 16:30 Acquisition protocols, 2D/3D imaging and image processing. 449  
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08:30 - 10:00

MUCHA

**Debate: integrated imaging of physiology and anatomy**

Core curriculum

**Chairpersons: H.R. Schelbert (Los Angeles, US); C. Anagnostopoulos (London, GB)**

08:30	Part I - SPECT/CT is better than PET/CT.	
08:30	Protagonist. D. Berman (Los Angeles - US)	455
08:45	Antagonist. J.M. Knuuti (Turku - FI)	456
09:00	Rebuttal.	
09:05	Rebuttal.	
09:10	Conclusion.	
09:15	Part II - Perfusion with CTA will replace cardiac catheterisation.	
09:15	Protagonist. M. Schwaiger (Munich - DE)	461
09:30	Antagonist. J. Vom Dahl (Moenchengladbach - DE)	462
09:45	Rebuttal.	
09:50	Rebuttal.	
09:55	Conclusion.	

08:30 - 10:00

DVORAK

**Radiation safety and regulatory aspects  
in nuclear cardiology and cardiac CT**

Essential nuclear medicine for cardiologists

**Chairpersons: B. Hesse (Ghentofte, DK); C. Marcassa (Veruno, IT)**

08:30	Regulatory aspects and radiation safety in Europe. C. Marcassa (Veruno - IT)	466
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09:30	New challenges from hybrid imaging. B.M.W. Tsui (Baltimore - US)	469
09:50	Discussion.	470

08:30 - 10:00

MENDEL

**Late Breaking Trials**

Special session

**Chairpersons: K. Allman (Sydney, AU); R. Beanlands (Ottawa, CA)**

08:30	FDG PET therapy versus standard care in severe ischaemic LV dysfunction. The PARR-2 Trial. R. Beanlands (Ottawa - CA)	471
08:40	Half-time gated myocardial perfusion SPECT processed with both OSEM with resolution recovery and wide beam reconstruction: clinical performance compared to full-time filtered backprojection. E.G. Depuey (New York - US)	472
08:50	I-123-MIBG SPECT predicts inducibility of sustained ventricular tachycardia on cardiac electrophysiology testing. J.J. Bax (Leiden - NL)	473
09:00	A randomised, double-blind, placebo-controlled, two-period crossover study evaluating the safety of regadenoson in chronic obstructive pulmonary disease subjects (The RegCOPD Trial). G.S. Thomas (Mission Viejo - US)	474
09:10	Utility of I-123-MIBG scintigraphy for assessing prognosis in heart failure: new insights from a European Multicentre Study. D. Agostini (Caen - FR)	475
09:20	Unanticipated regression of silent myocardial ischaemia (SMI) in Type 2 Diabetes (T2DM): 3-year follow-up of the DIAD Study. F. Wackers (New Haven - US)	476
09:30	Adenosine versus selective A2A agonist regadenoson - Comparative evaluation for myocardial perfusion imaging: integrated results of the advance MPI phase 3 Multi-Centre international trials. M. Cerqueira (Cleveland - US)	477
09:40	Discussion.	478

**08:30 - 10:00**

**KAFKA**

**Experts' approach to challenging cases**

**Read with the Experts**

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| 09:15 | Speaker II.<br>J.V. Vitola (Curitiba - BR) | 480 |

**11:00 - 12:30**

**MUCHA**

**Debate: myocardial perfusion imaging under attack**

**Core curriculum**

**Chairpersons: F.M. Bengel (Baltimore, US); M.F. Di Carli (Boston, US)**

- |       |   |     |
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| 11:00 | Part I - CT angiography will replace perfusion imaging.     |     |
| 11:00 | Protagonist.<br>P.J. De Feyter (Rotterdam - NL)             | 482 |
| 11:15 | Antagonist.<br>T.M. Bateman (Kansas City - US)              | 483 |
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| 11:35 | Rebuttal.   |     |
| 11:40 | Conclusion.   |     |
| 11:45 | Part II - Molecular imaging will replace perfusion imaging. |     |
| 11:45 | Protagonist.<br>R. Gropler (St. Louis - US)                 | 488 |
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| 12:20 | Rebuttal.   |     |
| 12:25 | Conclusion.   |     |

**11:00 - 12:30**

**DVORAK**

**Novel Applications**

**Oral abstract session V**

**Chairpersons: M. Schaefers (Munster, DE); J. Bakala (Zlin, CZ)**

- |       |  |     |
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| 11:00 | Postconditioning attenuates myocardial Tc-99m-Annexin-V uptake in rats with ischaemia and reperfusion: comparison with ischaemic preconditioning and caspase inhibitor treatment.<br>J. Taki, T. Higuchi, A. Kawashima, I. Matsunari, K. Nakajima, J.L. Vanderheyden, J.F. Tait, H.W. Strauss (Kanazawa, Hakui - JP, Boston, Seattle, New York - US) | 493 |
| 11:15 | Non-invasive imaging of atherosclerotic lesions in apolipoprotein E-deficient and low density lipoprotein receptor-deficient mice with annexin A5.<br>S. Isobe, S. Tsimikas, J. Zhou, S. Fujimoto, L. Hofstra, C.P. Reutelingspeger, A. Petrov, J. Narula (Nagoya - JP, San Diego, Irvine - US, Maastricht - NL)                                     | 494 |
| 11:30 | Radiolabelling of cardiac-derived stem cells with FDG for PET imaging of therapeutic cell delivery.<br>F.M. Bengel, J. Terrovitis, M.R. Abraham, J. Engles, R. Wahl, E. Marban, F. Bengel (Baltimore - US)   | 495 |
| 11:45 | Minimisation of infarct size with minocycline: imaging with annexin-A5.<br>H.H. Boersma, S.L. Wolters, A.D. Petrov, M. Sarai, J. Narula, G.A.K. Heidendal, L. Hofstra, C.P.M. Reutelingsperger (Maastricht - NL, Irvine - US)  | 496 |
| 12:00 | Noninvasive assessment of the low density plaque in culprit lesion of patients with unstable angina pectoris by multislice computed tomographic coronary angiography.<br>R. Nakazato, M. Moroi, T. Kunimasa, K. Sugi (Tokyo - JP)  | 497 |
| 12:15 | Uptake of 11C-PK11195, a marker of inflammatory cells, into atherosclerotic plaques in mice.<br>I.E.K. Laitinen, P. Marjamaki, M. Haaparanta, K. Nagren, V.J.O. Laine, S. Yla-Herttuala, A. Roivainen, J. Knuuti (Turku - FI)  | 498 |

11:00 - 12:30

MENDEL

**CAD: diagnosis, prognosis and therapy monitoring**

**Essential cardiology for nuclear physicians**

**Chairpersons: J.E. Udelson (Boston, US); G.S. Thomas (Mission Viejo, US)**

11:00	What clinicians expect from imaging tests. J. Vom Dahl (Moenchengladbach - DE)	499
11:20	The proper indications for nuclear test. P. Perrone-Filardi (Naples - IT)	500
11:40	Making your nuclear cardiology reports relevant. R. Hendel (Fox River Grove - US)	501
12:00	The role of other imaging techniques. J.J. Bax (Leiden - NL)	502
12:20	Discussion.	503

11:00 - 12:30

KAFKA

**Neurocardiology - role of nuclear imaging**

**Advances in nuclear cardiology**

**Chairpersons: M.C. Gerson (Cincinnati, US); A. Flotats (Barcelona, ES)**

11:00	Neuronal receptor imaging - Radiotracers and methods. D. Le Guludec (Paris - FR)	504
11:20	Diabetes mellitus. O. Schnell (Munich - DE)	505
11:40	MIBG in cardiomyopathy. P. Merlet (Paris - FR)	506
12:00	Arrhythmia. I. Matsunari (Hakui - JP)	507
12:20	Discussion.	508

12:35 - 13:50

MUCHA

**Women's health**

**Special luncheon session**

**Chairpersons: J.H. Mieres (New York, US); L. Johnson (New York, US)**

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12:53	Screening for CVD in women: the role of C-IMT and CAC. D. Ropers (Erlangen - DE)	510
13:11	Assessment of myocardial perfusion in women. D. Polk (Los Angeles - US)	511
13:29	Lessons from the WISE trial. J.H. Mieres (New York - US)	512
13:47	Conclusion.	513

12:35 - 13:50

MENDEL

**Cardiac imaging for risk stratification**

**Special luncheon session**

**Chairpersons: L.J. Shaw (Atlanta, US); P. Smanio (Sao Paulo, BR)**

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12:53	Assessment of non-symptomatic diabetic patient with and without known CAD. P. Smanio (Sao Paulo - BR)	515
13:11	Evaluation of patient with decreasing of function capacity. L.J. Shaw (Atlanta - US)	516
13:29	Imaging high risk elderly patients. A. Lahiri (Edgware - GB)	517
13:47	Conclusion.	518

12:35 - 13:50

KAFKA

**Reproducible and consistent interpretation of SPECT images**

**Special luncheon session**

**Chairpersons: K. Allman (Sydney, AU); M.R. Freeman (Toronto, CA)**

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13:00	Image image quality and reproducibility: a core laboratory perspective. T. Miller (Rochester - US)	520
13:25	How can consistency of interpretation be improved? E. Ficaro (Ann Arbor - US)	521

<b>14:00 - 15:30</b>	<b>MUCHA</b>
<b>State-of-the-art in cardiac multislice computed tomography</b>	<b>Core curriculum</b>
<b>Chairpersons: P.J. De Feyter (Rotterdam, NL); T. Callister (Hendersonville, US)</b>	
14:00 MSCT methodology: current status and future developments. S. Halliburton (Cleveland - US)	522
14:20 Calcium scoring. T. Callister (Hendersonville - US)	523
14:40 CT angiography. S. Schroeder (Tuebingen - DE)	524
15:00 Importance of non-cardiac findings. P.J. De Feyter (Rotterdam - NL)	525
15:20 Conclusion.	526
<b>14:00 - 15:30</b>	<b>DVORAK</b>
<b>Heart Failure</b>	<b>Oral abstract session VI</b>
<b>Chairpersons: M. Schwaiger (Munich, DE); M. Penicka (Prague, CZ)</b>	
14:00 The effect of partial FFA betaoxidation inhibition on myocardial metabolism and function in patients with idiopathic dilated cardiomyopathy. H. Tuunanen, E. Engblom, B. Hesse, K.E.J. Airaksinen, P. Iozzo, H. Ukkonen, L. Opie, J. Knuuti (Turku - FI, Copenhagen - DK, Cape Town - ZA)	527
14:15 Impact of hypoadiponectinaemia on altered cardiac fatty acid metabolism in obesity. Y. Arita (Osaka - JP)	528
14:30 Relationship between Tc-99m MIBI and I-125 Annexin V myocardial uptakes in rats with doxorubicin induced heart failure. K. Cho, K. Hakozaki, Y. Fukushima, M. Toba, S. Mizumura, M. Ishihara, S. Kumita (Bunkyo-Ku, Tokyo - JP)	529
14:45 Electrical dyssynchrony does not correlate with mechanical dyssynchrony as determined by phase analysis of ECG-gated SPECT myocardial perfusion imaging. M.A. Trimble, S. Borges-Neto, E.F. Honeycutt, L.K. Shaw, J. Chen, E.V. Garcia, A.E. Iskandrian, E.J. Velazquez (Durham, Atlanta, Birmingham - US)	530
15:00 Synchronisation parameters and regional function improvement after cardiac resynchronisation therapy measured by radionuclide angiography. A. Peix, R. Zayas, M.A. Quinones, F. Tornes, J. Castro, L.O. Cabrera, Y. Fayad, I. Gonzalez (Havana - CU)	531
15:15 Influence of the phase R-R interval on the visualisation of the cardiac venous system. R. Mlynarski, A. Drzewiecka, J. Brzozka, W. Kargul, M. Sosnowski, M. Tendera (Sosnowiec, Katowice - PL)	532
<b>14:00 - 15:30</b>	<b>MENDEL</b>
<b>How to evaluate patients with new onset heart failure</b>	<b>Essential cardiology for nuclear physicians</b>
<b>Chairpersons: G.A. Beller (Charlottesville, US); M. Bottcher (Egaa, DK)</b>	
14:00 The main clinical questions in heart failure. A. Lahiri (Edgware - GB)	533
14:20 How to differentiate non-ischaemic from ischaemic heart failure? G.A. Beller (Charlottesville - US)	534
14:40 Value of viability assessment. H.J. Ukkonen (Turku - FI)	535
15:00 The role of other modalities and multiple tests? B. Zaret (New Haven - US)	536
15:20 Discussion.	537
<b>14:00 - 15:30</b>	<b>KAFKA</b>
<b>Myocardial ischaemic memory imaging</b>	<b>Advances in nuclear cardiology</b>
<b>Chairpersons: N. Tamaki (Sapporo, JP); I.V. Vassiliadis (Kifissia, GR)</b>	
14:00 Pathophysiology. R. Russell (New Haven - US)	538
14:20 BMIPP and other fatty acid tracers. N. Tamaki (Sapporo - JP)	539
14:40 FDG and other glucose tracers. D. Jain (Philadelphia - US)	540
15:00 Hypoxia imaging. D.K. Glover (Charlottesville - US)	541
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