

28 AUGUST
1 SEPTEMBER

ESC Congress 2004



MUNICH

G E R M A N Y



EUROPEAN
SOCIETY OF
CARDIOLOGY

P R E L I M I N A R Y P R O G R A M M E

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IMPORTANT DATES TO REMEMBER

ESC On-line Services available for registration, abstract submission and hotel requests	December 2003
Abstract submission deadline	14 February 2004
Advance Programme available	March 2004
Results of the abstract selection available	May 2004
Pre-registration - reduced fee deadline	31 May 2004
Hotel reservation requests should be made before	1 July 2004 (according to availability)
Final Programme available on-line	July 2004
Pre-registration deadline (and cancellation deadline)	31 July 2004

HOW TO CONTACT THE ESC

General

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Registration

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E-mail: registration@escardio.org

Group Registration

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Fax: +33 (0)4 92 94 76 10
E-mail: groups@escardio.org

Press Registration and Information

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E-mail: press@escardio.org

Hotels & Social Events

Tel: +33 (0)4 92 94 76 23
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Scientific Programme

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Satellite Symposia

Tel: +33 (0)4 92 94 18 25
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Exhibition

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Sponsorship

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WELCOME ADDRESS

2004 Committee Members Congress Programme Committee

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J.P. Bassand (Besançon, FR)
President
M. Tendra (Katowice, PL)
President-Elect
T.F. Lüscher (Zurich, CH)
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A. Battler (Petach-Tikva, IL)
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M. Böhm (Homburg, DE)
M. Borggrefe (Mannheim, DE)
J. Brugada (Barcelona, ES)
O. Daniëls (Nijmegen, NL)
Association for European
Paediatric Cardiology
C. Hamm (Bad Nauheim, DE)
L. Kappenberger (Lausanne, CH)
U. Keil (Münster, DE)
M. Komajda (Paris, FR)
S. Kownator (Thionville, FR)
Council for Cardiology Practice
J. Marco (Toulouse, FR)
J.J. Mercadier (Paris, FR)
International Society
for Heart Research
A.C. Newby (Bristol, GB)
P. Ponikowski (Wroclaw, PL)
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G. Tognoni (Milan, IT)
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R.J. Gibbons (Rochester, US)
American Heart Association
E.A. Geiser (Gainesville, US)
American College of Cardiology

Science Council

Cardiovascular Biology
R. De Caterina (Chieti, IT)
P.G. Camici (London, GB)
K. Sipido (Leuven, BE)

Clinical Science

J. Perk (Oskarshamm, SE)
H. Saner (Bern, CH)

The Heart, Structure and Function

G.R. Sutherland (Leuven, BE)
N. Galiè (Bologna, IT)
E. Thaulow (Oslo, NO)
H. Ector (Leuven, BE)

The annual ESC Congress will take place from August 28 to September 1, 2004 in Munich. This will be a premiere for the host city and we trust that all attendees will enjoy the up-to-date congress facilities, and will be keen on discovering the charm of this new venue.

As to the scientific programme, the challenge will be to meet the standards that were set at previous editions. The high quality of the programme has been recognised through endorsement from the European Board for Accreditation in Cardiology (EBAC).

Our ambition as always is to provide attendees with both the best of Science and the best of Education. One of the challenges is to find the right balance between the discussion of new research and didactic lectures. In preparing the scientific content for the ESC 2004, the Congress Programme Committee, the ESC Councils, Associations and Working Groups wish to convince even more colleagues that the ESC Congress is a unique forum for sharing innovative research and exchanging clinical expertise. To this end, we will continue to present the successful features of previous editions, such as the FOCUS programme, the Hot Line and Clinical Trial Update sessions or the Basic Science Track, to name but a few. At the same time, we wish to introduce new aspects and we hope to be able to increase the level of scientific exchange and interaction throughout the Poster Programme. A special session will highlight the great contribution of M. Davies to the understanding of atherosclerotic plaque vulnerability and the pathogenesis of acute coronary syndromes.

Most importantly, in order to respond to the growing burden of cardiovascular disease in diabetics, the general theme of next year's edition of the ESC Congress will be "Diabetes and the Heart". Thanks to a joint effort with the European Association for the Study of Diabetes (EASD), we will feature common main sessions, a clinical FOCUS session on the management of the diabetic patient with heart disease and several symposia dealing with the latest information on molecular mechanisms and pathophysiology of cardiac disorders that are associated with diabetes. A common EASD-ESC scholarship will make it possible to invite six outstanding investigators to attend and present their work at both the ESC and the EASD meetings.

This is just a short preview of some of the new and innovative aspects of your Congress. As the preparation of the programme evolves, further details will be disclosed in the ESC Newsletters that can be found on the ESC Web Site (<http://www.escardio.org/>). We trust that you will share our excitement about what promises to be another great scientific and educational event. Make sure to plan well ahead and join colleagues and professionals from around the world in Munich to share and celebrate our common passion.

Jean-Pierre Bassand
President
European Society
of Cardiology

William Wijns
Chairperson
Congress Programme
Committee



SCIENTIFIC PROGRAMME

PRE-ARRANGED PROGRAMME

All sessions are organised by the Congress Programme Committee, the Associations and Working Groups of the European Society of Cardiology and the ESC Councils.

Symposia (SY) allow for in-depth discussion of recent developments in the various fields of basic science, epidemiology and clinical cardiology.

Clinical Seminars (CS) are designed to highlight what every clinician, who is not an expert in that field, should know about subspecialty topics.

Debates (DE) provide a lively yet balanced discussion on controversial issues.

How-to sessions (HT) are providing a unique opportunity for intense interaction between a limited audience and experts in the field.

Basic Science Track is a series of sessions focusing on translational research, which will be particularly attractive for basic scientists, but also for clinicians with an interest in basic science.

Bench to Bedside

Sessions presenting new science that has emerging clinical implications are identified by this specific tag. These sessions should attract basic scientists as well as clinicians.



FOCUS Cardiology Practice

The FOCUS Cardiology Practice sessions address patient-oriented clinical decision-making. Experienced clinicians present cases and discuss diagnostic and therapeutic options in an interactive manner with the audience. The application of guidelines and optimal patient management are critically reviewed.



FOCUS Imaging Intervention

The FOCUS Imaging Intervention sessions address current problems and new developments in catheter-based and surgical interventions, as well as non-invasive diagnostic procedures. Experts will demonstrate these techniques LIVE, integrating unlimited audiovisual facilities and audience interaction.



ABSTRACTS BASED PROGRAMME

More than 2.500 abstracts will be presented during the 5 days of the Congress.

Oral Abstract Presentations

These reports will be of particular interest to other investigators in related fields, but also to clinical cardiologists.

NEW EASD scholarship on "Diabetes & the Heart"

Six outstanding investigators will be invited to attend and present their work at both meetings of the ESC and the EASD.

Featured Research Sessions

Five of the leading abstracts relating to particular topics are presented. The concluding editorial presentation will be given by a well-known researcher, who will put the abstracts in the perspective of current developments in the field.

Young Investigators' Awards

Investigators, younger than 35, with abstracts of outstanding quality, will present their work in award sessions in each of the following four categories: basic science,

ALSO IN THE PROGRAMME – AND NOT TO BE MISSED...

NEW – Diabetes & the Heart

In order to respond to the growing burden of cardiovascular disease in diabetics, the emphasis of this edition of the Congress will be placed on the cardiac disorders associated with diabetes. Latest results and innovations will be presented during a series of sessions identified as the "Diabetes Track". This initiative is a joint venture between the ESC and the European Association for the Study of Diabetes (EASD).

Named Lectures

Renowned specialists will hold four prestigious European Society of Cardiology lectures: on clinical cardiology (the Grüntzig and Denolin lectures), on population sciences and on basic science.

Hot Line / Clinical Trial Update Sessions

The Hot Line and Clinical Trial Update sessions will once again present the most important new clinical trial results relevant for clinical practice.

Highlight Session

This main session provides an overview of all new and exciting developments in basic and clinical sciences as presented at the congress. The whole congress summarised for you in just 90 minutes!

Nursing Programme

The ESC acknowledges the contribution of nurses and laboratory technicians to patient care. Accordingly, a special programme will be presented focusing on nursing care and research in cardiovascular diseases.

Industry Satellites and Workshops

Cooperation between clinicians, researchers and the pharmaceutical and technical industries has significantly contributed to a better understanding and management of patients with cardiovascular diseases. This is reflected in a series of symposia organised by industry as part of the congress programme. In addition workshops sessions will address current practice and usage of new medical devices & equipment.

NEW – EBAC Accredited Educational Programme

Recognition of the high quality of the programme is witnessed by endorsement from the European Board for Accreditation in Cardiology (EBAC), which can now be extended under strict conditions to some of the sessions that are made possible through unrestricted educational grants, an initiative that is indicative of the commitment of our industrial partners to third cycle and post-doctoral training.

clinical science, thrombosis and population sciences. Prizes will be given to the best presentations in each session, during the Awards Ceremony on Tuesday 31 August 2004.

Computer Demonstrations

Selected abstracts will be presented as computer demos highlighting the role of computer technology in cardiology.

Poster Abstract Presentations are an integral part of the Congress and the best posters of each session will be put forward

during **Moderated Poster sessions**, where the poster is presented by the author and discussed between two moderators and the audience.

NEW e-posters

This year, abstracts selected for Poster presentation in the field of Basic Science ("Bench") and Cardiovascular Imaging will be available in electronic format for the entire duration of the Congress through a dedicated computer system. Look for more information in future ESC Newsletters as well as on the ESC Web Site.



ABSTRACT SUBMISSION SERVICE

An important feature of the ESC On-line Services is the Abstract Submission Service, which is user-friendly and the unique way to submit abstracts for the ESC Congress 2004.

IMPORTANT!

Your abstracts **MUST** be submitted no later than **14 FEBRUARY 2004 (Valentine's Day)** on the ESC Web Site: www.escardio.org

After this date the Abstract Submission Service will no longer be available. The ESC On-line Services are available for abstract submission from December 2003. Only abstracts submitted via the ESC Web Site will be considered for selection. Abstracts sent by mail, fax or E-mail will not be accepted.

Some important points to keep in mind when preparing your abstract submission:

➔ You can enter **as many abstracts as you want** and you may exit the Abstract Submission Service at any time, leaving your abstract as a draft (early version) on the ESC Web Site.

➔ Your abstract data is **protected** by your confidential subscriber user ID and password. Use your already existing user ID and password (or use the Free Subscription button, if you are new to the service)

➔ If your abstract contains graphics, images or tables, use the appropriate editing features. Abstracts with tables and/or images in the abstract body text will not be accepted.

➔ The **size** of the abstract is calculated in percentage. The size, including images and tables cannot exceed 100%. This corresponds to approximately 400 words without graphics or images.

➔ A **Help** feature providing you with detailed information is available at each submission step. If you still have questions after consulting the Help and Frequently Asked Questions features, or if you encounter technical problems, please send an E-mail to abstracts@escardio.org Support will be available Monday – Friday from 9:00 to 17:00.

➔ Each abstract will be assigned a specific abstract number, which is your **reference number** for any queries to the ESC concerning your abstract. Please make sure to print out you list of abstract numbers, before the service closes on the 14 February 2004.

NEW - NEW - NEW - NEW

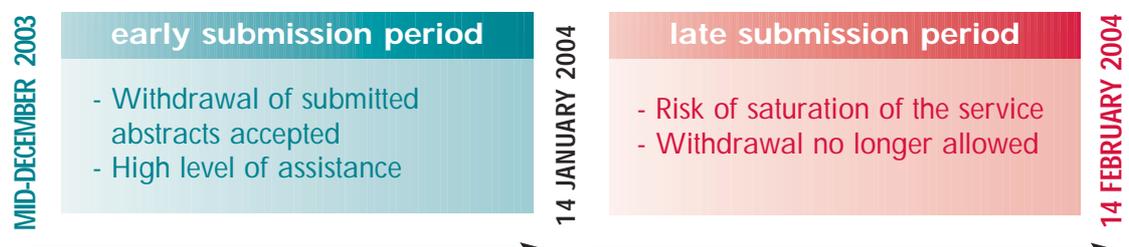
Every abstract needs to be identified as either **"BENCH"** or **"BEDSIDE"**

BENCH: animal studies or in vitro experiments at the molecular, cellular or tissue level (including human tissue). The core data are generated in the lab.

BEDSIDE: patient studies. The core data are generated during clinical studies or interventions.

The **results** of the abstract selection will be available on-line in May 2004.

Remember to send your abstracts well in advance to avoid last minute rush!



YOUR FIRST GLIMPSE OF THIS YEAR'S SCIENTIFIC PRE-ARRANGED PROGRAMME

(preliminary programme as of 12 December 2003 - titles by order of area of clinical interest)

■ Arrhythmias

- Arrhythmic risk assessment and treatment policy in the elderly (CS)
- Atrial fibrillation and remodelling - from ions and molecules to coronary circulation (SY)
- Ablation of pulmonary veins triggering
- Cardiac resynchronisation therapy
 - hot issues (SY)
- Catheter ablation for atrial fibrillation
 - new insights into ablation techniques and electro-anatomic evaluations (SY)
- Diabetes and cardiac electrophysiological abnormalities: from patients to ion channels (SY)
- Diagnostic approach for syncope? (CS)
- Echocardiography and electrophysiology: a joint adventure (SY)
- Educational, financial and political factors that influence the use of implantable cardioverter-defibrillators in Europe (SY)
- Everyday management of atrial fibrillation (CS)
- Genetic tools in cardiovascular disease. What should the clinician know? (CS)
 - **Bench to Bedside**
- Genetics and arrhythmias (SY)
- Genetics in cardiac arrhythmias: from monogenic to polygenic diseases (SY)
- Hot topics in the management of cardiac arrest (CS) - The European Society of Cardiology and the European Resuscitation Council
- How to manage the symptomatic patient with atrial fibrillation? (CS)
- Mapping and ablation of ventricular arrhythmias
 - update on new techniques (SY)
- New antiarrhythmic and antithrombotic drugs for atrial fibrillation (CS)
- Pitfalls of implantable cardioverter-defibrillator therapy (CS)
- Prevention of cardiac arrhythmia by diet (SY)
- Primary prevention of sudden death - the role of the implantable cardioverter-defibrillator (CS)
 - The European Society of Cardiology and the American College of Cardiology
- Resynchronisation therapy in congestive heart

- failure: questions for the clinician (CS)
- Short QT syndrome - a new electrical entity (SY)
- Sport activity and inherited ventricular arrhythmias (SY)
- Understanding congenital ventricular arrhythmias: basic science meets the clinician (SY)

■ Heart Failure / Left Ventricular Function

- Acute heart failure (CS)
- Anaemia and beyond in chronic heart failure (CS)
- Cardiac resynchronisation therapy
 - hot issues (SY)
- Cardiac tissue engineering in heart failure: ready for prime time? (SY) - Bench to Bedside
- Controversies in the diagnosis and treatment of heart failure (DE)
- Diabetes and acute coronary syndromes (SY)
- Emerging role of exercise training in heart failure (SY)
- Genetic tools in cardiovascular disease. What should the clinician know? (CS)
- Heart failure with preserved systolic function (CS)
- How to set up a day-care heart failure clinic? (HT)
- Novel cardiovascular risk factors in cardiac dysfunction and failure (SY)
- Inflammatory activation in chronic heart failure: local phenomenon or systemic response? Implications for therapeutic strategies (SY)
- Integrins in the failing heart (SY)
- Late breaking studies and highlights from Heart Failure Update 2004, Wroclaw (CS)
- Resynchronisation therapy in congestive heart failure: questions for the clinician (CS)
- Severe post-ischaemic left-ventricular dysfunction (CS)
- Too many tablets? Is polypharmacy a problem in heart failure? (CS)
- Update on natriuretic peptides in heart failure (SC)

Valvular Disease / Pulmonary Circulation

- Atrial septostomy - why, when and how? (CS)
- Can we reduce the burden of aortic stenosis? (SY) - [Bench to Bedside](#)
- Endothelin antagonists - in search of indications (SY)
- ESC guidelines on pulmonary embolism - do we need an update? (CS)
- How to manage extra-cardiac surgery in patients with valvular heart disease (CS)
- Latest innovations in valve surgery (SY)
- Management of the asymptomatic patient with valve disease: from guidelines to practice (CS)
- Patient management after valve surgery (SY)
- New aspects of infective endocarditis (CS)
- Novel approaches to mitral insufficiency (CS)
- Optimal antithrombotic treatment after valve surgery (CS)
- Pulmonary arterial hypertension: a new era for oral therapy (SY)
- Pulmonary hypertension in congenital heart disease - new therapeutic aspects (CS)
- Treatment-oriented diagnostic strategies in pulmonary hypertension (SY)
- Why have we not controlled rheumatic heart disease? (SY) - The European Society of Cardiology and the World Heart Federation

Ischaemia / Coronary Artery Disease

- Antithrombotic regimen for percutaneous coronary intervention: open issues (SY)
- Diabetes and efficacy of antithrombotic agents (CS)
- Early care for acute ST-elevation myocardial infarction (CS)
- Genetic tools in cardiovascular disease. What should the clinician know? (CS)
- Management of acute ST-elevation myocardial infarction in the elderly (CS)
- Management of acute ST-elevation acute myocardial infarction in Europe and North America: guidelines versus real life (SY) - The European Society of Cardiology and the American Heart Association

- Myocardial damage during percutaneous interventions (SY)
- New biomarkers for acute coronary syndromes (CS)
- Acute non ST-elevation coronary syndromes: open issues (CS)
- Optimal antithrombotic treatment after valve surgery (CS)
- Pathophysiological basis of insulin resistance: implications for cardiovascular disease (SY)
- Unstable coronary plaques versus unstable coronary patient: time for an agreement (CS)
- Venous thromboembolism - initial anticoagulant therapy and secondary prophylaxis (CS)

Interventions / Peripheral Circulation / Stroke

- Assessment of carotid arteries by ultrasound (CS)
- Carotid stenting: the story continues (SY)
- Combined peripheral and coronary disease (CS)
- Complications of percutaneous coronary intervention (CS)
- Controversies in coronary revascularisation (CS)
- Drug-eluting stents in challenging subsets (CS)
- Drug-eluting stents - the controversy is ongoing (DE)
- Microvascular disease: pathophysiology and clinical implications (SY)
- Myocardial damage during percutaneous interventions (SY)
- Percutaneous coronary intervention in high-risk subsets (CS)
- Plaque instability - a tribute to Michael J. Davies, MD (SY)

Epidemiology / Prevention / Pharma / Nursing

- A polypill a day keeps the doctor away (DE)
- A progress report on EuroAction - a European Society of Cardiology demonstration project in preventive cardiology (SY)
- Abdominal obesity and cardiovascular risk (SY)
- Building a bridge between guidelines and nursing practice: lessons for nurses from the Euro Heart Survey (CS)
- Cardiopulmonary resuscitation - experiences of patients, family members and the profession (CS)
- Cost-effectiveness: a new approach to cardiovascular treatments? (SY)
- Current controversies on statin therapy (DE)
- Diabetes and arterial hypertension: the double act (CS)
- Early diagnosis and treatment of acute coronary syndromes: an increasing role for nurses (CS)
- Emerging role of exercise training in heart failure (SY)
- Endothelin antagonists - in search of indications (SY)
- Exercise testing: new indications (SY)
- How to help your patient to quit smoking? (HT)
- How to provide secondary prevention programmes in Eastern Europe? (SY)
- INTERHEART - a global study of risk factors for acute myocardial infarction in 53 countries (SY)
- Is combination therapy a strategy to reduce cardiovascular disease by over 80% (SY)
- Nurse-led interventions: taking the lead in cardiac disease management (CS)
- Prevention of cardiac arrhythmia by diet (SY)
- Recommendations on screening and sports participation in cardiovascular disease (study group report) (SY)
- Sport activity and inherited ventricular arrhythmias (SY)
- The metabolic syndrome in the management of cardiovascular patients (SY)

Hypertension / Myocardial- Pericardial-Congenital Heart Disease / Surgery

- A rationale for treating inflammation in arterial hypertension (SY)
- Adult congenital heart disease is a cause of chronic heart failure (SY)
- Controversies in coronary revascularisation (CS)
- Controversies in the treatment of arterial hypertension (DE)
- Coronary bypass in 2004 (CS)
- Diabetes and arterial hypertension: the double act (CS)
- The dilated aorta (CS)
- Endpoints in the treatment of arterial hypertension (SY)
- Evidence-based diagnosis and treatment of myocarditis (CS) - [Bench to Bedside](#)
- Hypertrophic cardiomyopathy: prevention of sudden cardiac death (CS)
- Latest innovations in valve surgery (SY)
- New contributions of cardiovascular magnetic resonance to congenital heart disease (SY)
- Pulmonary hypertension in congenital heart disease - new therapeutic aspects (CS)
- Recent innovations in ventricular septal defect closure (CS)
- Severe post-ischæmic left-ventricular dysfunction (CS)
- Sleep apnea: an underlying mechanism for several diseases? (SY)
- Timing of operations in grown-up congenital heart disease patients (CS)
- Treatment of arterial hypertension in vascular patients (CS)
- Understanding congenital ventricular arrhythmias: basic science meets the clinician (SY) - [Bench to Bedside](#)



SCIENTIFIC PROGRAMME

Basic Science

- Altered calcium handling in heart failure: new concepts, new targets (SY) - The European Society of Cardiology and the American Heart Association
- Cardiac mitochondria - beyond energy production (SY)
- Cell therapy - the genie is out of the tissue culture bottle (CS) - [Bench to Bedside](#)
- Cardiac stem cells: properties and potential for cardiac repair (SY)
- Cardiac tissue engineering in heart failure: ready for prime time? (SY) - [Bench to Bedside](#)
- Cardiac repair: can we make new cardiomyocytes? (SY)
- Diabetes and cardiac electrophysiological abnormalities: from patients to ion channels (SY)
- Novel cardiovascular risk factors in cardiac dysfunction and failure (SY) - [Bench to Bedside](#)
- Inflammation and atherosclerosis. Novel therapies for the future (SY)
- Oxidative stress in cardiovascular disease (SY)
- Plaque instability - a tribute to Michael J. Davies, MD (SY)
- Receptor-related autoimmune mechanisms in myocardial dysfunction and failure (SY) - [Bench to Bedside](#)
- Reverse cholesterol transport: does it translate into reversal of coronary atherosclerosis? (SY)

Basic Science Track: Translating Basic Science into Clinical Practice

- Cardiac imaging in small animals - a clinical tool in the basic science arena (SY)
- Changing paradigms in smooth muscle cell proliferation (SY)
- From hype to hope: therapeutic angiogenesis is finally getting there (SY)
- Genes and atherosclerosis (SY)
- Molecular basis of endothelial dysfunction (SY)
- Nitric oxide/superoxide in cardiac remodelling and failure (SY)
- Rejuvenating the coronary endothelium by stem cells (SY)

- Signalling pathways for cardiac hypertrophy: the good, the bad and the ugly (SY)
- The specific phenotype of diabetic cardiomyopathy (SY) - [Bench to Bedside](#)
- Therapeutic angiogenesis - new molecules guide, new approaches (SY)

Cardiac Imaging / Computers

- Accessing patient data - anytime, anywhere (SY)
- Atrial function in health and disease (SY)
- Cardiac imaging in small animals - a clinical tool in the basic science arena (SY)
- Clinical use of strain rate imaging (SY)
- Contrast echocardiography: current and future applications (SY)
- Controversies in Doppler myocardial imaging (DE)
- Early diagnosis of cardiovascular complications of diabetes by cardiac ultrasound: now ready for clinical application? (SY)
- Echocardiography and electrophysiology: a joint adventure (SY)
- Evidence-based clinical application of non-invasive cardiac imaging (CS) - The European Society of Cardiology and the American College of Cardiology
- Has cardiovascular magnetic resonance perfusion a place in clinical cardiology? (SY)
- New contributions of cardiovascular magnetic resonance to congenital heart disease (SY)
- New frontiers in cardiovascular imaging (SY)
- Nuclear cardiology: clinical applications (CS)
- Positron emission tomography in clinical cardiology (CS)
- Stress echocardiography in non-coronary disease (CS)
- Tools to support the cardiologist in clinical decision making (SY)

■ Acute Cardiac Care

- Acute heart failure (CS)
- Cardiopulmonary resuscitation - experiences of patients, family members and the profession (CS)
- Cardiopulmonary resuscitation: the challenge continues (SY) - The European Society of Cardiology and the European Resuscitation Council
- Diabetes and acute coronary syndromes (SY)
- Early care for non ST-elevation myocardial infarction (CS)
- Hot topics in the management of cardiac arrest (CS) - The European Society of Cardiology and the European Resuscitation council
- Management of acute heart failure (CS)
- Sepsis in the intensive coronary-care unit (SY)
- The octogenarians in the intensive cardiac-care unit (CS)

■ Diabetes Track

- Diabetes and acute coronary syndromes (SY)
- Diabetes and cardiac electrophysiological abnormalities: from patients to ion channels (SY)
- Diabetes and efficacy of antithrombotic agents (CS)
- Diabetes and arterial hypertension: the double act (CS)
- Early diagnosis of cardiovascular complications of diabetes by cardiac ultrasound: now ready for clinical application? (SY)
- Novel cardiovascular risk factors in cardiac dysfunction and failure (SY)
- Pathophysiological basis of insulin resistance: implications for cardiovascular disease (SY)
- The metabolic syndrome in the management of cardiovascular patients (SY)
- The specific phenotype of diabetic cardiomyopathy (SY) - **Bench to Bedside**



FOCUS Cardiology Practice

- Approaches to stable angina
- Difficult situations in anticoagulation
- Hypertension in specific populations
- Managing the elderly patient
- Pitfalls in patients with pacemaker and defibrillator
- Practical approach to atrial fibrillation
- The diabetic patient (in collaboration with EASD)
- The patient with chest pain and ST-elevation
- The patient with congestive heart failure
- The patient with heart murmur and fever



FOCUS Imaging Intervention

- 3-D echocardiography is here
- Percutaneous coronary intervention in high risk population
- How to manage complications during percutaneous coronary intervention
- Imaging in cardiac resynchronization
- Percutaneous cardiac interventions to prevent stroke
- Multislice Computed Tomography of the heart: read with the experts
- Multiple applications of cardiovascular magnetic resonance tomography in ischaemic heart disease
- The role of echo in the management of ischaemic mitral regurgitation
- The treatment of syncope, the practical approach
- Treatment of renal artery stenosis



GENERAL INFORMATION

The ESC Congress 2004 will take place from Saturday, 28 August to Wednesday, 1 September 2004.

Venue

(also ESC address during the congress)
Messe München GmbH
Messegelände
D-81823 Munich - Germany
Tel: +49 (0)89 949 20720
Fax: +49 (0)89 949 20729
E-mail: newsline@messe-muenchen.de
Web Site: www.messe-muenchen.de



The building is accessible to disabled persons.

How to get to the Messe München

- *By car*
- Follow the trade fair signs, there is plenty of parking
- Direct link with the A96 to Passau or Munich, exit München-Riem or Feldkirchen-West
- Approx. 35-minute drive from Munich Airport
- *By U-Bahn*
- Underground U2 to Messestadt West or Messestadt Ost Station

Official Language

The official language is English. All lectures and presentations will be held in English only. No translation is provided.

Currency

The official currency in Germany is Euro (€). All official prices such as congress fees, social events, etc. set by the ESC, are quoted in Euros. Payments in other currencies will not be accepted.

Opening Hours

Full details concerning the opening hours of the various desks on-site (registration, hotels, transport, social events, etc.) will be communicated in the Advance Programme in April.

Official Airline

STAR ALLIANCE 
The airline network for Earth.®

The Star Alliance Members are pleased to be appointed as the Official Airline Network for the ESC Congress 2004.

To obtain details and conditions on Star Alliance™ Conventions Plus discounts and participating airlines, please contact your local Star Alliance Member and quote the following **Event Code LH002S4**.

When making your travel plans please present confirmation of your registration as proof of attendance and ensure that the Event Code is listed on your ticket.

For further information about Star Alliance Members please visit:
www.staralliance.com/conventionsplus

Continuing Medical Education Credit



The ESC Congress 2004 will be reviewed for accreditation by the European Board for Accreditation in Cardiology (EBAC). The number of hours of External CME Credits will be announced in the Advance Programme in March 2004.

Attendance Certificates for participants will be provided on site upon request.

EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME).

For more information on EBAC accreditation, please visit www.ebac-cme.org

The scientific programme of the ESC Congress 2004 has been reviewed and approved for Category 1 credit towards the AMA Physician's Recognition Award. The American Medical Association will approve this educational activity for a maximum number of Category 1 credits. Each physician should claim only those credits that he/she actually spent in the educational activity. One credit may be claimed for each hour of participation.

Final Programme

The Final Programme will be available on the ESC Web Site from July 2004. Please visit www.escardio.org, where you can sign up for the ESC Web News E-mail bulletin. You will then receive a weekly E-mail with ESC news and updates, including notification of the online version of the Final Programme. You will receive your printed version of the Final Programme only on-site in Munich. One less thing to put in your suitcase!

Abstract Book and CD-Rom

Registered participants will find a voucher in their congress bag, which can be exchanged for a copy of the Abstract Book at the Abstract Book Desk (a limited number of copies will be available).

The selected abstracts will also be available on the ESC Web Site in August 2004 and on CD-Rom in the Exhibition area.

Exhibition

The congress will be accompanied by an exhibition of approximately 12 000 square metres. Companies from all over the world will display their products and services related to cardiology. The opening hours of the exhibition are from 17:00 until 20:00 on Saturday and from 9:00 until 18:00 on Sunday, Monday and Tuesday.

Emerging Technologies Showcase Area (ETSA)

In an effort to widen the appeal and scope of industrial participation at ESC Congress 2004, companies and institutes are invited to present innovational biotechnology, devices, software, equipment or services in this area specially dedicated to emerging products and technologies.

Technolounge

Without leaving the congress centre you will find the perfect place to work, chat or simply relax. In addition to a quiet and comfortable atmosphere this fully equipped business-style lounge offers all delegates Internet access, PC work stations and printers and information on future congresses, symposia and publications.

Liability Disclaimer

In the event of industrial disruption or other unforeseen circumstances, the ESC accepts no responsibility for any loss, damage, cost or expenses incurred by delegates. Delegates are strongly encouraged to make their own arrangements with respect to personal insurance.





REGISTRATION

General Registration Information

The ESC **Registration Form** is only available via the ESC On-line Services at our Web Site www.escardio.org.

General registration

Tel: +33 (0)4 92 94 76 12

Fax: +33 (0)4 92 94 76 10

E-mail: registration@escardio.org

Group Registration

Companies paying for participants can register them as a group. If a company settles the payment on your behalf, please ask the company to clearly indicate your name on the payment.

For more information and group forms, contact John Bakker on +33 (0)4 92 94 86 63 or E-mail: groups@escardio.org.

Deadline for Pre-registration, early fee

Postal date of 31 May 2004. This applies to both on-line and paper registration.

Deadline for Pre-registration

Postal date of 31 July 2004. If you have not registered by 31 July 2004, you will need to register on site in Munich. The registration desk will be open from 10:00 on Friday, 28 August 2004.

Registration fees in Euros	Up to 31.05.2004	From 01.06.2004 to 31.07.2004	From 29.08.2004
Fee types	early fee	late fee	on site
1 - Standard fee	€ 400	€ 500	€ 565
2 - Fellow & Nurse Fellow ESC	included in the Fellowship fee 2004		
3 - Nurse and Medical Technician * (statement of the Head of the Dept. required)	€ 225	€ 280	€ 320
4 - Emeritus Fellow ESC	€ 200	€ 200	€ 200
5 - Accompanying person (one only)	€ 45	€ 45	€ 45

Registration fees are based on the date of receipt of the registration form and payment. The prices indicated are only applicable if BOTH the registration form AND the payment are received before the above deadlines.

* application for special rates must be accompanied by the required official document. If no proof is included with the registration form, the ESC reserves the right to register and charge the standard fee to your account or credit card.

Accommodation, lunches, coffee breaks and transport are NOT included in the above prices.

Fee types 1 to 4 include:

- Access to all scientific sessions (in the limit of seats available in the lecture rooms)
- Admission to the official opening ceremony (limited number of seats) & welcome reception
- Access to the exhibition
- One copy of the Final Programme

Fee type 5 includes:

- Admission to the official opening ceremony & welcome reception (limited number of seats) **Please pick up your pass on-site at the special desk 'Opening ceremony' in the registration hall**
- Access to the exhibition. It excludes access to the scientific sessions

Single day tickets in Euros	Up to 31.05.2004	From 01.06.2004 to 31.07.2004	From 29.08.2004
	early	late	on site
Saturday, 28 Aug. 2004	€ 133	€ 141	€ 151
Sunday, 29 Aug. – Tuesday, 31 Aug. 2004	€ 265	€ 281	€ 300
Wednesday, 1 Sept. 2004	€ 133	€ 141	€ 151

SOCIAL EVENTS

Payments

All prices quoted are in Euros (€) and payment in any other currency will not be accepted. Please bring a copy of your payment to the congress.

Fees can be paid by:

- *By Credit card*

Visa – Eurocard/Mastercard – American Express

Please enter all relevant information on the individual registration form and sign for authorisation.

- *By Bank transfer*

It is essential, that a copy of the stamped bank transfer details and a copy of the official completed registration form are faxed to the Registration Department in order to identify your bank transfer. The bank transfer must clearly state the name of the participant, as unidentified bank transfers cannot be processed.

We request that you do not use the bank transfer facility after 15 July 2004, since the payment and documents will not reach the ESC in time. For international bank transfers the IBAN Code is essential.

Bank details:

Banque Populaire de la Côte d'Azur (BPCA) Nice - France
Swift Code: CCBP FRPPNCE
Bank Code: 15607
Branch Code: 0065
Account No: 67719257184
Bank Identity: 12
IBAN Code:
FR76 1560 7000 6567 7192 5718 412

- *By Cheque*

A bank cheque made payable to the ESC Registration Department in Euros.

Cancellation Conditions

Any cancellation or alterations to your registration must be notified in writing and will be subject to the following conditions:

- Refund of fee, less a 25% administrative charge will be applied to cancellations up to 31 July 2004

- After 31 July 2004 no refund will be made (including cancellation of social events)

- Name changes requested before 31 July 2004 will be charged with 90 Euros

- After 31 July 2004, no name change will be accepted

- No-shows at the congress will be charged the full fee

Requests for reimbursements must be sent in writing. Refunds will be processed until end of December 2004

Invitation Letter

A customised invitation letter for visa purposes may be downloaded from the ESC Web Site (ESC Congress 2004). Such invitations are intended to help potential delegates raise travel funds or obtain a visa. Please note, however, that it is not a commitment on the part of the ESC to provide any financial support.

Journals of the ESC

If you are within one of the following fee types: 1, 3 or 4 (see previous page registration fees table), a subscription for one year (January to December) to one of the ESC journals is included. You have the choice between the European Heart Journal (bi-monthly) and Cardiovascular Research (monthly). Please make sure you specify your choice on your registration form.

Incomplete or companies addresses will not be accepted and will result of the cancellation of the subscription.

Opening Ceremony

Saturday, 28 August 2004, 16:30-20:00.

The official inauguration will take place in the Room Rome (Blue Zone) at Messe München and will be followed by a reception in the exhibition halls. Free access for registered participants and accompanying persons with congress badges (limited number of seats).

Concert

Sunday, 29 August 2004, 20:00.

An exceptional Wagner concert repertory will be performed in the "Herkulesaal" (well known for its amazing acoustics). This concert hall is part of the historical building "Residenz" one of the major musical centres of Europe dating from the 16th Century.
Tickets: Cat. 1: € 72 - Cat. 2: € 60

Gala Evening

Wednesday, 1 September 2004, 20:00.

A Gala dinner-dance evening will be held in the exquisite Ball Room of the prestigious and international jet-set meeting-place "Bayerischer Hof Hotel". Enjoy the splendor and magnificence of this exceptional black-tie optional event.
Admission fee: € 200
Seating is limited; advance booking is highly recommended.

Admission tickets

Please use the online registration services for advance booking of Concert and Gala tickets.

Tickets for the various social events will be for sale at the "Social Events" desk in the registration area (subject to availability). Participants, who have prepaid for the concert and/or gala tickets, must pick up the official admission tickets on site at the respective counters upon presentation of their badge:

— for the concert, before Sunday, 29 August 2004 at 12:00.

— for the Gala, before Tuesday, 31 August 2004 at 16:00.

Tickets that are not picked up by these deadlines will no longer be available. It will not be possible to cancel tickets on site.



We advise you to send your request well in advance due to the limited number of rooms available.

The ESC has reserved rooms in various price category hotels in Munich and surrounding areas. Requests for accommodation are handled on a "first come – first served" basis. **Hotel Form** is available via the ESC On-line Services at our Web Site www.escardio.org.

Group Bookings (+10 rooms)

Group bookings are dealt with separately. Please send your request by e-mail to hotels@escardio.org or by fax to +33 (0)4 92 94 76 16.

Individual Booking Procedure

Telephone requests cannot be accepted. Hotel reservation requests can be made on-line through the ESC Web Site. For more details, please visit our Web Site www.escardio.org, or contact the Hotel Department by E-mail to hotels@escardio.org

Alternatively, the individual hotel form can be downloaded from the ESC Web Site or is available upon request. It should be completed and returned by fax or mail. Incomplete forms will not be dealt with. Please read the complete General Conditions (on-line or downloadable with the form) before submitting your request.

A separate request must be made for each room (i.e. one form or one on-line request per room).

The ESC reserves the right to confirm bookings in other price categories if the requested category is fully booked.

Hotel reservations will only be confirmed by the ESC upon receipt of a valid credit card number or the deposit payment (see payment section).

Confirmations are sent either by e-mail or fax and mail. Occasionally confirmations are not received by the client due to technical problems/postal services etc. It is your responsibility to check back with us if you receive no reply within 14 days. Your request

and acceptance of our conditions is considered firm and the cancellation conditions apply as soon as a room has been booked.

Payments

All prices quoted are in Euros and payment in any other currency will not be accepted

• By Credit card

Visa – Euro/Mastercard – American Express
Please clearly state the type of credit card, the credit card number and expiry date (must be valid until 10/04). It is also imperative that the credit card holder name is clearly mentioned if it differs from the guest name and that the form is signed for authorization.

Important Information: Credit cards will be debited for the full stay by the Hotel one month prior to the congress.

• By Bank transfer

Please send the deposit corresponding to the requested category to the ESC. Please make sure that the name of the participant is mentioned on the bank transfer. Unidentified bank transfers cannot be processed. We request that you do not use the bank transfer facility after 30 June 2004. For International bank transfers, the IBAN code is essential. Deposit payments will be deducted from the total hotel invoice and the balance is payable directly to the hotel.

Bank details:

Société Générale, 455 Promenade des Anglais, L'Arénas, 06200 Nice France
Bank Code : 30003 — Branch Code : 00950
Account Number : 00020013243 – 28
Swift Code: SOGEFRPP
IBAN code:
FR76 30003 00950 00020013243 28

• By Cheque

Please send the deposit corresponding to the requested category to the ESC. Cheques should be made payable to the ESC Hotel Department in Euros. Deposit payments will be deducted from the total hotel invoice and the balance is payable directly to the hotel.

Invoices

Invoices are issued by the hotels directly to the guest. The ESC cannot issue invoices for individual hotel reservations. The hotels will invoice the participants for the number of confirmed nights mentioned on the last voucher.

Cancellation Conditions

Until 15 July 2004, the cancellation fee is €80 per room. After this date and if the total amount has already been debited by the Hotel, refunds will be made after the congress for resold nights only. In all cases, a minimum of one night's cancellation fee is due for cancellations received after 15 July 2004, the cancellation fee may be charged either by the hotel or the ESC.

Modification Conditions

All changes must be made in writing and are subject to the Hotels' availability.

Changes will only be accepted until 15 July 2004, and will be charged with administrative fees of 30 Euros. After this date, the ESC cannot guarantee that modifications can be handled. Modifications should be made directly on the voucher and returned to the ESC. If the changes are possible, a new voucher will be issued. The ESC or the hotels reserve the right to charge cancellation fees for any nights that are cancelled after the deadline.

List of the main hotels available for individual bookings

Please note that not all the hotels for individual bookings are listed.
Updated lists will be available on the ESC Web Site

HOTELS	Star rating	Rate (€)		Rate (€)
		single room		double room
rate in Euros per room including breakfast and VAT				
Bayerischer Hof	5	from 355,50	to 380,50	406,00
Königshof	5	from 280,00	to 320,00	from 344,00 to 409,00
Forum Hotel	4	295,00		325,00
Platzl Hotel	4	from 191,00	to 225,00	from 215,00 to 238,00
Eden Hotel Wolff	4	from 148,00	to 188,00	188,00
Europäischer Hof	3	from 146,50	to 196,50	from 167,00 to 207,00
Mark Hotel	3	from 136,50	to 176,50	from 157,00 to 187,00
4 Points Central	3	230,00		263,00
Erb Hotel & Guesthouse	3	from 145,00	to 209,00	from 165,00 to 229,00
Schweiz Hotel	2	from 88,00	to 110,00	110,00



EXCURSION PROGRAMME

Tours and excursions:

All the bus tours are based on a minimum of 35 people/bus. (The walking tour is limited to 20 persons/group). In case of an insufficient number of participants, KIT reserves the right to cancel the tour. Prices may be subject to change for exceptional reasons beyond the control of KIT. Tickets for sightseeing tours and excursions are not refundable. All rates include deluxe motor coach and English speaking guide as well as entrance fee when the visit of a museum or a castle is foreseen. A 3-course menu (without beverages) is also included in full-day-tours.

All tours start from the city centre at the "Neptunbrunnen" (Neptune Fountain) in the Elisenstrasse, opposite the "Justizpalast" (Law Court). Two stops are made at the end of the half-day tours: at the Neptunbrunnen and the ICM Congress Centre.

I – Half-Day Tours

1) Munich Orientation Tour

(2 hours)

€ 19,00/pers.

- Sat. August 28 from 10.00-12.00
- Sun. August 29 from 10.00-12.00
- Mon. August 30 from 10.00-12.00
- Tue. August 31 from 10.00-12.00



This tour crosses Königsplatz, and passes the renowned art galleries Lenbachhaus, Old and New Pinakothek. We visit the former artists' quarter Schwabing and we travel along the impressive Ludwig- and

Prinzregentenstreet lined by magnificent buildings e.g. Theatiner Church, Hall of Generals (Feldherrnhalle), House of Arts, Bavarian National Museum, and the Angel of Peace.

The elegant Maximilian Street takes us back to the centre of town offering a view of the Bavarian Parliament, Deutsches Museum, Royal Palace and the Opera House.

In the ancient part of town we point out the well-known Hofbräuhaus, the medieval town gates and the colourful open air market (Viktualienmarkt).



2) Walking Tour Through the Old City of Munich (1,5 hours)

€ 12,00/pers.

- Sun. August 29 from 10.30-12.00
- Mon. August 30 from 10.30-12.00
- Tue. August 31 from 10.30-12.00

Away from the main streets you will see parts of Munich unfamiliar to even local residents (cathedral, Platzl alleyways, Mozart's temporary home etc.) with special attention to details that you cannot see by bus such as the charming fountain inside the courtyard of the old castle, the bas-reliefs of the Richard-Strauss Fountain, the column in the middle of the Marienplatz or the beergarden of the Viktualienmarkt

3) Visit of Munich and the Old Pinakothek (3 hours)

€ 26,00/pers.

- Sun. August 29 from 09.30-12.30
- Tue. August 31 from 09.30-12.30

This Tour will show the guests the main highlights of Munich and includes a visit of the Alte Pinakothek, the Museum for "Old Meisters" from the 14th to the 18th Century ranging from Bruegel, Dürer, Raphael, Rubens and Rembrandt to many others. Hundreds of masterpieces are exhibited and this is one of the best museums in Germany.

4) Visit of Munich and the Nymphenburg Palace (3 hours)

€ 28,00/pers.

- Sun. August 29 from 09.30-12.30
- Mon. August 30 from 09.30-12.30

This Tour will show the guests the main highlights of Munich and includes a visit to the Nymphenburg Palace. To celebrate the birth of their son and heir, Elector Ferdinand Maria and his consort Henriette Adelaide of Savoy appointed the architect Agostino Barelli in 1664 to build them a summer residence west of Munich. A famous feature of the palace is the "Gallery of Beauties", painted for King Ludwig I by Joseph Stieler but also the massive Great Hall ("Steinerner Saal"), decorated in the Rococo style under Elector Max III is a master piece of decorative arts.



5) Visit of Munich and the "Pinakothek der Moderne"

(3 hours)

€ 30,00/pers.

- Sun. August 29 from 09.30-12.30

- Tue. August 31 from 09.30-12.30

This Tour includes a visit of the brand new contemporary art museum "Pinakothek der Moderne". For the first time, a museum gathers architecture, design, painting and sculpture under one roof. The "Pinakothek der Moderne" is one of the largest museums for art of the 20th and 21st century in the world.

II – Full-Day Tours

1) Visit of Neuschwanstein and Linderhof Palaces

(9 hours)

€ 95,00/pers.

- Mon. August 30 from 09.00-18.00

Hidden in the seclusion of the mountains Ludwig II. built two of his dream castles: Neuschwanstein and Linderhof. This excursion shows you two extraordinary castles, both testifying the vision of Bavaria's fairytale King.



- **Neuschwanstein** illustrates the ideals and longings of Ludwig II more vividly than any of his other buildings. The castle was not designed for royal representation, but as a place of retreat. The frescos of Neuschwanstein were inspired by the operas of Richard Wagner, to whom the king dedicated the castle.



- In 1868 Ludwig II had already made his initial plans for **Linderhof**. The new building developed around the forester's house belonging to his

father Maximilian II, which was located in the open space in front of the present palace. Linderhof Palace, the result of a long building and rebuilding period, is the only large palace King Ludwig II saw completed.

2) The Romantic Road (10 hours)

€ 80,00/pers.

- Sun. August 29 from 09.00-19.00

From the Main Valley to the foot of the Bavarian Alps, by way of peaceful valleys and an idyllic, rolling countryside the "Romantic Road" itinerary recalls at every stage of its course some aspect of the past. Along the Romantic Road you will first reach Harburg, one of the oldest, biggest and best preserved castles of Southern Germany. Through the Swabian crater landscape passing Dinkelsbühl you will arrive in Rothenburg, the most perfectly preserved medieval town in Europe: once behind the ramparts in the car-free central enclave, the visitor is faced with Rothenburg's ancient houses, fountains and narrow cobbled lanes, seems as if he is in some kind of time-warp, plunged back into the middle of the 16th century!



3) Chiemsee and Herrenchiemsee (8 hours)

€ 95,00/pers.

- Tue. August 31 from 09.00-17.00

The last of the three castles of Ludwig II is certainly the most flamboyant. Herrenchiemsee is an incredible replica of Versailles, on an island in the middle of the Chiemsee, Bavaria's largest lake. When Linderhof turned into a Royal Villa rather than the 'New Versailles', Ludwig II looked elsewhere for a suitable site for this cherished dream. One of the most remarkable aspects of Herrenchiemsee is the fact that it



reached its current appearance shortly after Ludwig's death in 1885, seven years after the stone foundation was laid. After visiting the castle, you will continue by boat to the neighbouring island Fraueninsel where you will visit the Benedictine church built in the 13th century and rebuilt in the gothic style in the 15th century. After a walk in the charming fishing village, you will travel back to Munich.

For bookings and information, please contact KIT

Tel: +49 30 246 030

Fax: +49 30 246 03 200

E-mail: esc@kit.de