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    May 4, 2015
3rd Cardiovascular Forum for Promoting Centres of Excellence and Young Investigators

September 10 – 12, 2015
Omaha, Nebraska, USA

Sponsored by

Chairs: Irving Zucker and Devendra K. Agrawal
Creighton University, Omaha, Nebraska
E-mail: dkagr@creighton.edu

The Mike & Josie Harper Center at Creighton University
302 N. 22nd St. Omaha, NE 68178
The dedication of this plaque is in recognition of the International Academy of Cardiovascular Sciences outstanding contributions to the planning and organization of numerous conferences and events at the RBC Convention Centre. The IACS joined a group of highly distinguished associations on the Centre’s Wall of Fame, located just inside the York Avenue Entrance.

The International Academy of Cardiovascular Sciences was founded in 1996 and is headquartered in Winnipeg at the St. Boniface Hospital Research Centre. Established by renowned Cardiovascular Scientists, Surgeons and Cardiologists, the IACS provides the organizational structure for the world-wide sharing of research and education information in the field of heart health and recognizes major cardiovascular achievement throughout the world.

"RBC Convention Centre Winnipeg is a flagship for promoting economic, social, cultural and scientific activities," said Dr. Naranjan S. Dhalla, CEO, International Academy of Cardiovascular Sciences. "With the new expansion, under the inspired leadership of Klaus Lahr, this place will undoubtedly make Winnipeg one of the major centres for encouraging trade, industry and science in North America."

The RBC Convention Centre, in conjunction with the City of Winnipeg, initiated the Ambassador Plaque Program in 1994 to recognize those individuals and groups whose efforts have been integral to bringing events, activities, conferences and conventions to our City. These people, many of whom volunteer their time and services, have a tremendous impact on this community, on both a social and economic level, as well as on the City of Winnipeg and our Convention Centre.

“We are always pleased to work with Dr. Dhalla and his team,” says Klaus Lahr, President and CEO, RBC Convention Centre. “Dr. Dhalla has always been a strong supporter of the Convention Centre and continues to use his influence to bring international conferences and conventions to Winnipeg. His latest was the 2nd Cardiovascular Forum for Promoting Centres of Excellence and Young Investigators in September which attracted delegates from 20 visiting countries.”

This award marks the 32nd Ambassador Plaque to be presented since 1994.
Report on XXIV Scientific Forum

International Congress of Cardiovascular Sciences
November 13 – 15, 2014 • Maceio -AL, Brazil

Elaine Maria Gomes Freitas, Otoni Moreira Gomes,
Victor Hugo de Souza Araujo, Ruana Freitas Marques Teixeira

The XXIV Scientific Forum - International Congress of Cardiovascular Sciences was held between 13 and 15 November, 2014 at the Radisson Hotel Maceio, Maceio -AL, Brazil. The conference brought together renowned national and international guests who have enriched the event with the teaching and important results of their research and experiences for cardiovascular sciences, culminating in improving care to our patients, as well as new research proposals emerging from their presentations. Marked by brilliance and dedication of the organizing committee, the success of the event was made possible by the outstanding support of the Ministry of Health, CAPES, Municipality of the City of Recife, FAPEAL, Health Department of the State of Alagoas. The Opening Session, organized by Dr. Elaine Maria Gomes de Freitas was chaired by Prof. Dr. Elias Kallas with Prof. Dr. José Wanderley Neto and Prof. Dr. Otoni Moreira Gomes. After performance of the National Anthem, Prof. Dr. Naranja S. Dhall, delivered lecture on “World landmarks of the International Academy of Cardiovascular Sciences,” then Professor Dr. Naranjan S. Dhall, Founder and Executive Director of the International Academy of Cardiovascular Sciences, chaired the Awards Ceremony of IACS Gomes and Gelpi Awards for excellence in Cardiovascular Sciences to Professors Martin Donato and Tania Maria de Andrade Rodrigues. Prof. Dr. Domingo Marcolino Braile, delivered “Cardiovascular Science in Brazil: Evolution and Challenges”, then Prof. Dr. Elias Kallas and Prof. Dr. Otoni Moreira Gomes, solemnly closed the meeting with the presentation to Prof. Dr. Ricardo J. Gelpi by Prof. Dr. Naranja S. Dhall the International Prize Board “Lifetime Achievements Awards” of the International Academy of Cardiovascular Sciences.
During the three days of the Forum, also students and recent graduates participated actively in various areas of knowledge; greatly enhancing and stimulating scientific research with also students lectures and work contributions in clinical and experimental areas. The meeting offered special focus on exchange of information in the different areas and discussions with renowned professionals in their specialties.

The Symposium ABRECCV
Brazilian Association of Cardiovascular Surgery Residents confirmed the success of the previous year. Coordinated by Dr. Francisco Siosney - President, Dr. Kleberth Tenorio - Vice President and Dr. Eduardo Valentine –Secretary, with consecrated competence of surgeons discussed important issues of cardiovascular surgery, valuation of medical work and the graduation of the current cardiac surgeon according to new technologies and national needs of enlargement of health services.
The Congress of SBCEC
Brazilian Society of Extracorporeal Circulation, coordinated by its Board of Directors with the renowned Perfusionists Sintya Tertullian Chalegre-PE (President), Edvaldo do Nascimento -PR (Vice-President), Marcio Roberto do Carmo-SP (1st treasurer), Yohana Catharine Albrecht-SP (2nd Treasurer), Roberi Andreia Rodrigues-SP (1st Secretary), Elio Barreto de Carvalho Filho-PI (2nd Secretary), confirmed the traditional success when Perfusionists of consecrated competence discussed important issues of Extracorporeal Circulation new advances and requirements of ECMO and Assisted Circulation support in cardiovascular surgery.

The success and prestige of the Scientific Forum traditional events have been confirmed with the Forum of South American Section of the International Academy of Cardiovascular Sciences, XXX Meeting of the Disciples of Professor E.J. Zerbini, the XVIII Symposium Prof.Dr. Tomas A. Salerno, XVI Ecumenical Forum coordinated by Revdo. Priest Prof.Dr. Geraldo Guilherme da Silva, XIII Symposium Prof.Dr. Domingos Junqueira de Morais, XII Symposium Prof.Dr. Pawan K. Singal, X Brazilian Symposium on Angiology, X Scientific Meeting of the Friends of Prof.Dr. Domingo Marcolino Braile, X Symposium Prof.Dr. Tofy Mussivand, IV Forum of Cardiovascular Biomedicine IX Symposium Prof. Dr. Domingos Savo Souza, VII Symposium Prof.Dr. Ricardo J. Gelpi, IV Symposium ABRECCV and the XII Brazilian Congress of Cardiovascular Sciences Academic Leagues.

The XXIV 2014 Scientific Forum developed with great success by the renowned prestigious international audience, enriching the Congress with relevant international contributions with the notable presence of Prof. Dr. Andras Varró, Hungary; Prof. Dr. Enrique Castañeda Saldaña, Peru; Prof. Dr. Federico Benetti, Argentina; Prof. Dr. Michael Dashwood, United Kingdom; Prof. Dr. Martin Donato, Argentina; Prof. Dr. Naranjan S. Dhalla, Canada; Prof. Dr. Péter P. Nánási, Hungary; Prof. Dr. Ricardo J. Gelpi, Argentina; Prof. Dr. Silvia F. Gelpi, Argentina and Prof. Dr. Veronica D’Annunzio, Argentina.

XXV International Scientific Forum to be held to be held November 12–14, 2015 in VITORIA – ES, BRAZIL with Co-Chairmanship of Prof. D. Melchior Luis Lima
The Scientific Forum is already marked traditionally the world scientific calendar. Its proof is that thirty-four countries were already represented in what is now one of the largest international events in continuing education in the field of cardiovascular sciences. The Scientific Forum carries on its partnership in organizing the World Congress of the International Academy of Cardiovascular Sciences (IACS) since 2003. The results of these events can be demonstrated by several published scientific journals and books, including works unpublished, with masters degrees theses, doctorate and postdoctoral also internationally recognized through this event. Renowned professionals, friends and companies in the sector are fundamental and indispensable for so many years of activity and possible contribution to the scientific development of this select and vital world of cardiovascular sciences. To laboratories, medicine students, perfusionists, surgeons and health professionals, we give our gratitude testimony, in recognition of the important contributions that they are already moving in the third decade of work.

The Scientific Forum would not be possible without the full support and competent, caring motivation of our team and family.
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Dr Deepak Srivastava, San Francisco, USA
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Dr Suresh Tyagi, Louisville, USA
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INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE
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Dr. Suresh Kumar  Ms. Lotika Chawla  Dr. Rajiv Janardhanan
Ms. Azka  Ms. Vineeta Meena
Symposia and Workshops

Tentative

PROGRAM HIGHLIGHTS

Theme 1: Clinical Management of Heart Diseases and Complications
- New Management Strategies for Cardiac Arrhythmias
- Obesity, Diabetes, Metabolic Syndrome and CVD
- Angina Pectoris, Myocardial Ischemia, and Acute Coronary Syndrome (ACS)
- Cardiomyopathies, Myocardial Infarction, Heart Failure, Ventricular Dysfunction and Treatment
- Inflammatory and Infectious Heart Diseases

Theme 2: Innovative Molecular Cardiology and Diagnostics
- Special Coronary/Non-Coronary Intervention, PCI and Drug-Eluting Stents
- Non-Angiographic Coronary and Revascularization of High-Risk Patients and Endovascular Interventions
- Acute Coronary Syndrome, Acute Myocardial Infarction, Interventional Cardiology
- New Directions in Cardiac Surgery and Transplant

Theme 3: Pathobiology of Vascular Diseases
- Role of platelet, endothelin, Stem Cells

Theme 4: Novel Cardiovascular Devices
- Devices for Treating Congestive Heart Failure
- Interventional Cardiology Devices and Cardiovascular Surgery Devices
- Outlook on Global Advances in Cardiac Assist Devices and Cardiovascular Monitoring & Diagnostic Device

Theme 5: Breaking Scientific Research in Cardiology
- Frontiers in Cardiac/Vascular Biology and Cardiac Dynamics
- Stroke Prevention in Atrial Fibrillation

Theme 6: Non-Invasive and Nuclear Cardiology
- Cardiac CT, SPECT/PET, Angiography and Cardiac Magnetic Resonance
- Echocardiographic Diagnostics of Cardiac Disease

Theme 7: Cardiovascular Drug R & D and Personalized Medicine
- Stem Cells and Non-Stem Cell Based Therapies for Heart Diseases
- Novel Antithrombotics, Antiplatelet Drugs, Long-Term Oral Anticoagulants

Theme 8: Public Heart Health, Nursing, Traditional Chinese Medicine, and Preventive Cardiology
- Heart Disease Epidemiology and Risk Assessment-Environment Factors, Nutrients, Lifestyle, Cardiac Rehabilitation, Secondary Prevention

Call for Podium and Poster Presentations

Posters and podium presentations are invited from related fields

Awards

1. George Jackowski Young Investigator Awards:
   - Two best Podium Presentations
   - Two best Poster Presentations

2. Ramesh K Goyal Oration

3. Harpal Buttar Oration
LIST OF CONFIRMED SPEAKERS

International Speakers

- Dr. Morris Karmazyn, University of Western Ontario, Canada
- Dr. Pawan K. Singal, St. Boniface Hospital Research Center, Canada
- Dr. Naranjan Dhalla, Institute of Cardiovascular Sciences, Canada
- Dr. Harpal S. Buttar, University of Ottawa, School of Medicine, Canada
- Dr. Balwant Tuana, University of Ottawa, Canada
- Dr. Jan Kyselovic, Comenius University, Slovakia
- Dr. Ghassan Bkaily, Faculty of Medicine, Université de Sherbrooke, Canada
- Dr. Danielle Jacques, Faculty of Medicine, Université de Sherbrooke, Canada
- Dr. Devendra K. Agrawal, Creighton University School of Medicine, USA
- Dr. Dinender K Singla, University of Central Florida, USA
- Dr. Ren-Ke Li, University of Toronto, Toronto, Canada
- Prof. Suresh C. Tyagi, University of Louisville, USA
- Prof. (Dr.) Belma Turan, Department of Biophysics, Ankara University, Turkey
- Dr. Amarjit S. Arneja, University of Manitoba, Winnipeg, Canada
- Prof. Jaipaul Singh, University of Central Lancashire, Preston, United Kingdom
- Dr. Keshore R Bidasee, University of Nebraska Medical Centre, Omaha, NE, USA
- Dr. Rajendra K. Sharma, University of Saskatchewan, Canada

National Speakers

- Prof. N.K. Ganguly, Translational Health Science & Technology Institute, India
- Prof. Shridhar Dwivedi, Hamdard Institute of Medical Sciences and Research, India
- Dr. Madhu Khullar, PG Institute of Medical Education and Research, India
- Prof. Ramesh. K. Goyal, Institute of Life Sciences, India
- Dr. (Mrs.) Madhu Dikshit, Central Drug Research Institute, India
- Prof. Arunabha Ray, University of Delhi, India
- Dr. Shailendra K. Vajpayee, Saraswati Institute of Medical Sciences, India
- Dr. A.G. Ahangar, Regional Institute of Health and Medical Sciences, India

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Keynote address:

- Progress in the management of heart failure in India
  Mullasari Ajit Sankardas, Madras Medical Mission, India

- Frailty in older adults with heart disease
  Kenneth Rockwood, Dalhousie University, Canada

- Relapse in recovered diabetes mellitus patients: clinical implications
  Ajay Bahl, PGIMER, India

- FoxO3 A: A regulator of cardiac stem cell homeostasis
  Ann Mary Johnson, RGCB, India

- Defining new drug targets in Heart Failure
  Balwant Tuana, University of Ottawa, Canada

- Distinctive effects of beta-blockers in diabetic cardiomyopathy: restoration of the failing heart linked to oxidative stress
  Belma Turan, Ankara University, Turkey

- Managing an unmet need: Diastolic heart failure
  Jacob Joseph, Brigham & Women’s Hospital, USA

- Role of biomarkers in evaluation and management of heart failure
  K Suresh, SK Hospital, India

- Prevention of cardiovascular diseases by herbal drugs
  S K Gupta, Delhi Institute of Pharmaceutical Sciences and Research, India

- Evaluation of anti-obesity effect of some herbal drugs against high fat diet induced obesity
  S S Agrawal, Amity University, India

- Treatment of heart failure with Ginseng
  Morris Karmazyn, University of Western Ontario, Canada

- Revisiting herbal drugs in the new era
  Veena Dhawan, PGIMER, India

- Garlic and cardiac hypertrophy: Identification of molecular mechanism and active principal responsible for beneficial effect
  Sanjay K Banerjee, THSTI, India

- A surgeon’s options to treat resistant cardiac failure and his challenges
  Balram Airan, AIIMS, India

- Heart failure in India—it is different from the West
  S Harikrishnan, SCTIMST, India

- Perspectives of conventional pharmacotherapy and alternate remedies in failing heart
  Harpal S Buttar, University of Ottawa, Canada

- Targeted gene therapy for progressive heart failure
  Ren Ke Li, University of Toronto and Toronto General Research Institute, Canada

- Stem cells in cardiac regeneration
  Dinender K Singla, University of Central Florida, USA

- Heart failure and sepsis
  G Vijayaraghavan, KIMS, India

- Oral presentations by young investigators

The Road Ahead: Discussions on Indo-Canada Centre for Research in Heart Failure

Valedictory function
Indo-Canadian Symposium on Heart Failure: Progress and Prospects

Chronic heart failure is a common debilitating disease, imposing substantial burden on patients, caretakers, doctors and policy makers. This symposium is aimed to provide a platform for exchange of views and ideas in heart failure research among scientists and clinicians from India and abroad and to sensitize cardiologists, scientists, academicians and students to recent developments in heart failure research. The conference would address new strategic approaches to translate the recent advances in heart failure research for prevention and treatment of patients with cardiac failure. We assure you invigorating academic sessions as well as refreshing social evenings in the picturesque capital of God's own country, Kerala.

Organizing Committee

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Executive Vice President, KSCSTE

Conference Chair
C C Kartha

Organizing Secretary
Surya Ramachandran

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R Prakashkumar
Sumi S

K Suresh
Satish Mundayoor
R Jayachandran Nair
Sherin B M

S Harikrishnan
Ajit Prabhu V
Sarika A R
K R Santosh
Binuja Thomas
Shaj Upendran

Pre Conference Workshop

Rajiv Gandhi Centre for Biotechnology in collaboration with International Academy of Cardiovascular Sciences is pleased to announce its first workshop on "Techniques in Cardiovascular Biology" on March, 11 and 12, 2015 ahead of the Indo-Canadian Symposium on Heart Failure: Progress and Prospects. The workshop is designed for young researchers and clinicians keen on pursuing cardiovascular disease biology. Common techniques employed in cardiovascular research laboratories from animal cell culture to small animal surgical modalities, omics approaches and physiological measurements would be demonstrated by experts in these domains. Introductory instructive lectures would be followed by demonstration of experiments and interactive, stimulating discussions. There is a registration fee of Rs 2000/- for the preconference workshop. The workshop will be open for 10 participants only. Due to limited capacity, seats are available on a first come, first served basis.

Faculty

Madhulika Dixit
Abdul Jaleel
Sanjay K Banerjee
Ajith Kumar G S
T R Santosh Kumar
Binil Raj S S
Indo-Canadian Symposium on Heart Failure: Progress and Prospects

**Pre Conference Workshop**

Chronic heart failure is a common debilitating disease, imposing substantial burden on patients, caretakers, doctors and policy makers. This symposium is aimed to provide a platform for exchange of views and ideas in heart failure research among scientists and clinicians from India and abroad and to sensitize cardiologists, scientists, academicians and students to recent developments in heart failure research. The conference would address new strategic approaches to translate the recent advances in heart failure research for prevention and treatment of patients with cardiac failure. We assure you invigorating academic sessions as well as refreshing social evenings in the picturesque capital of Gods own country, Kerala.

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**Program Schedule**

12th MARCH 2015

**Public forum on heart failure**

Inauguration

13th MARCH 2015

**Key Note Address:** Cellular and molecular mechanisms for the development of heart failure

*Naranjan S Dhalla*, Institute of Cardiovascular Sciences, Winnipeg, Canada

Significance of Acetyl CoA carboxylase in diabetic cardiomyopathy

*Ramesh K Goyal*, Sri Ramachandra University, India

Role of endocardial endothelium in cardiac pathophysiology

*Danielle Jacques*, Université de Sherbrooke, Canada

Male – female differences in cardiomyocyte calcium handling and contraction

*Susan Howlett*, Dalhousie University, Canada

Innate signaling and cytokine interaction in heart failure

*Pawan K Singal*, Institute of Cardiovascular Sciences, Canada

Epicardial adipose tissue and heart failure

*Devendra K Agrawal*, Creighton University, School of Medicine, USA

Sirtuins in cardiovascular diseases

*Ravi Sundaresan*, IISc, India

Role of Myocardin Related Transcription Factor-A in endothelial to mesenchymal transitioning

*Madhu Khullar*, PGIMER, India

Nuclear T-tubules as a marker and therapeutic target in hypertrophy and aging of human vascular smooth muscle

*Ghassan Bkaily*, Université de Sherbrooke, Canada

Role of epicardial adipose tissue in ischemic heart disease and heart failure

*Jan Kyselovic*, Comenius University Bratislava, Slovakia

Factors influencing beat-to-beat variability of action potential duration

*Péter P. Nánási*, University of Debrecen, Hungary

The pathology of cardiomyopathy: Pathology and inflammatory aspects

*Uma Nahar Saikia*, PGIMER, India

Role of the cardiac stroma in the onset and progression of heart failure

*K Shivakumar*, SCTIMST, India

Advantageous antiarrhythmic effect of the metabolite of amiodarone (desethylamiodarone) in different experimental arrhythmia models

*Andras Varro*, University of Szeged, Hungary
14th MARCH 2015

Key note address: Progress in the management of heart failure in India
Mullasari Ajit Sankardas, Madras Medical Mission, India

Fraility in older adults with heart disease
Kenneth Rockwood, Dalhousie University, Canada

Relapse in recovered diabetes mellitus patients-clinical implications
Ajay Bahl, PGIMER, India

FoxO3 A: A regulator of cardiac stem cell homeostasis
Ann Mary Johnson, RGCB, India

Defining new drug targets in Heart Failure
Balwant Tuana, University of Ottawa, Canada

Distinctive effects of beta-blockers in diabetic cardiomyopathy: restoration of the failing heart linked to oxidative stress
Belma Turan, Ankara University, Turkey

Managing an unmet need: Diastolic heart failure
Jacob Joseph, Brigham & Women's Hospital, USA

Role of biomarkers in evaluation and management of heart failure
K Suresh, SK Hospital, India

Prevention of cardiovascular diseases by herbal drugs
S K Gupta, Delhi Institute of Pharmaceutical Sciences and Research, India

Evaluation of anti-obesity effect of some herbal drugs against high fat diet induced obesity
S S Agrawal, Amity University, India

Treatment of heart failure with Ginseng
Morris Karmazyn, University of Western Ontario, Canada

Revisiting herbal drugs in the new era
Veena Dhawan, PGIMER, India

Garlic and cardiac hypertrophy: Identification of molecular mechanism and active principal responsible for beneficial effect
Sanjay K Banerjee, THSTI, India

A surgeons options to treat resistant cardiac failure and his challenges
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Heart failure in India—it is different from the West
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Perspectives of conventional pharmacotherapy and alternate remedies in failing heart
Harpal S Buttar, University of Ottawa, Canada

Targeted gene therapy for progressive heart failure
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Stem cells in cardiac regeneration
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Heart failure and sepsis.
G Vijayaraghavan, KIMS, India

Oral presentations by young investigators

The Road Ahead: Discussions on Indo-Canada Centre for Research in Heart Failure

Valedictory function

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http://www.rgcb.res.in/heartfailure2015/
email: ichf2015@rgcb.res.in
ADVANCES IN CARDIOVASCULAR RESEARCH
from bench to the patient’s bed

International Symposium
September 2 - 5, 2015

Smolenice Castle - Congress Center of the Slovak Academy of Sciences Bratislava, Slovakia

Organizers
Institute for Heart Research
Slovak Medical University
Slovak Physiological Society
Slovak Academy of Sciences
Slovak Society of Cardiology
Institute of Cardiovascular Sciences

Under the auspices of the
International Academy of Cardiovascular Sciences
European Academy of Sciences and Arts

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European Section Meeting of the International Academy of Cardiovascular Sciences

October 7th – 11th, 2015
Meeting Venue: Congress Centre, Belgrade, Republic of Serbia

Organized by
Serbian Association for Arteriosclerosis, Thrombosis and Vascular Biology Research
International Academy of Cardiovascular Sciences

Endorsed by
Serbian Physiological Society
Hypertension, Infarction, Stroke Prevention Association
Faculty of Medicine University of Belgrade
Faculty of Medical Sciences University of Kragujevac
International Atherosclerosis Society

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6th Harold Buchwald
Heart Health Luncheon

May 4, 2015 • 11:45am – 1:30pm
RBC Convention Centre, Winnipeg

Featured Speaker:

Dr. Noel Bairey Merz
Director, Preventive Cardiac Centre and
Barbra Streisand Women’s Heart Centre
Cedars-Sinai Heart Institute,
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New Approaches to Personal Heart Health

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