Anand Pharmacy College in association with India Section of International Academy of Cardiovascular Sciences (IACS) organized the 8th International Conference on ‘Translational Research in Cardiovascular Sciences’ in the milk city of Anand, Gujarat, India, during February 5-6 2016, with the objective to converge all national and international cardiovascular researchers and cardiologists at a common platform to make an attempt at reaching to the sustainable solutions to mitigate the dire consequences of current cardiovascular condition in future. The conference was financially supported by GUJCOST, DST-SERB, Troikaa Pharmaceuticals, Pharmanza Herbal Pvt. Ltd., Baroque Pharmaceuticals Pvt. Ltd., SUN Pharmaceutical Industries Ltd., Intas Pharmaceuticals Ltd., 4care Lifescience Pvt. Ltd., Eris Lifescience Pvt. Ltd., Visual Sonics FUJIFILM and Union Bank of India. The conference included sessions on basic experimental to translational clinical aspects of hypertension, heart failure, ischemic heart disease, myocardial infarction, arrhythmias, metabolic syndrome, cardiovascular complications of diabetes, atherosclerosis, vascular abnormalities. Delegates and resource persons from Canada, USA, Australia as well as India were part of it.

The first day of the conference started with the inaugural ceremony on 5th February morning. Professor Naranjan S Dhall, Executive director IACS, along with Professor Ramesh Goyal, Vice-President India Section IACS, Professor Tejal Gandhi, Conference Chairperson, Professor Anita Mehta, Organizing Secretary, Professor Mukesh Gohel, PG Director Anand Pharmacy College, Ms. Jyostna Patel, Honorary Secretary of Shri Ram Krishna Seva Mandal, Mr. Hemant Patel, President of Shri Ramkrishna Seva Mandal,
Professor M N Patel, Vice-Chancellor Gujarat University, Mr. Ketal Patel, Director Troikaa Pharmaceuticals Ltd. initiated the conference by spiritually lighting the auspicious lamp.

Professor Tejal Gandhi, Conference Chairperson addressed the gathering by her welcome speech familiarizing audience with the conference theme of ‘Translational Research in Cardiovascular Sciences’ where she emphasized the “bench-to-bedside” approach, harnessing knowledge from basic sciences, medical-nursing practice and meaningful health outcomes to produce new drugs, devices, and treatment options for patients to enhance human health and well-being.

The inauguration ceremony of 8th International Conference on Translational Research in Cardiovascular Sciences, Lamp lighting by dignitaries, address by Professor Ramesh Goyal Vice-President IACS India section, Professor Naranjan Dhall Executive Director, and release of scientific souvenir.

Ms. Jyotsnaben Patel, Honorary Secretary of Shri Ramkrishna Seva Mandal (SRKSM), the trust that manages Anand Pharmacy College, introduced everyone with the management trust that played an imperative role in facilitating Anand Pharmacy College to organize such an event. Chief Guest Professor M N Patel shared his words of wisdom with the audience while Guest of Honor Mr. Ketan Patel underscored essentiality of entrepreneurship and research. Professor Ramesh Goyal acquainted the audience with the India section activities of International Academy of Cardiovascular Sciences. Professor Anita Mehta, organizing secretary, proposed the vote of thanks.

Professor Naranjan Dhall was honored with the citation award and a Gandhian ‘Charkha’ the epitome of Gujarat, India by Ms. Jyotsnaben Patel, Mr. Hemant Patel, President SRKSM, and Professor Tejal Gandhi.
Many of the practices of modern medicines are based on the documented evidence of a number of medical practices done ages before. Similarly, principles of modern pharmacotherapeutics are now drifting and depending completely on evidence-based medicines practices whose success almost wholly depends on appropriate medical documentation. Appropriate documentation is thus a priceless asset which will become a part of the legacy for coming numerous generations for a long time. Realizing this, the souvenir and its digitalized version encompassing the novel ideas and their scientific proof were released, thus bringing all of them into the public domain to be accessed and utilized by one and all.

Professor Naranjan Dhalla receiving citation and ‘Charkha’

Professor M S Valiathan, National Research Professor, Manipal University, Karnataka, India was conferred with Lifetime Achievement Award for excellence in Cardiovascular Sciences by the International Academy of Cardiovascular Sciences. Professor Tejal Gandhi was bestowed with “Distinguished Leadership Award”, Professor Anita Mehta and Ms. Jyotsna Patel, were presented with “Distinguished Service Award”, by International Academy of Cardiovascular Sciences. India Section of the IACS honored Professor Grant Pierce with “Suresh K. Gupta Oration Award for Excellence in Cardiovascular Sciences”, Professor C C Kartha with “Ramesh K. Goyal Oration Award for Excellence in Cardiovascular Sciences”, and Professor Dinendra Singla with “Harpal S Buttar Oration Award for Excellence in Cardiovascular Sciences”. Awards included cash and certificates.
Scientific session was commenced by plenary lecture of Professor M S Valiathan (India) who shared his Indian experience of Translational Research in Cardiovascular Surgery. This was followed by plenary session I where Professor Grant Pierce (Canada) talked about the antihypertensive action of flaxseed and its implications for cardiovascular disease, Professor C C Kartha (India) explained alteration of ABCG2 in cardiac endothelium during pressure overload left ventricular hypertrophy, and Professor Dinendra Singla spoke on ‘Stem Cells and Released Factor in Cardiac Repair’.

After the networking luncheon, the second session started with a talk on the potential of nanotechnology-based dual functional vitamin-D conjugates in the therapy of coronary artery disease by Professor Devendra Agrawal (USA). Professor Suresh Tyagi (USA) highlighted the importance of exercise and nutrition in myocardial matrix metabolism. Cardiac Remodeling was the area of further discussion with MicroRNAs as the therapeutic target in talk of Professor Madhu Khullar (India).

Dr. Mukul Jain (India), Senior Vice President, Zydus Research Center, shared the developmental course of Saroglitazar, a novel molecule for Diabetic Dyslipidemia with the audience. Professor Rakesh Kukreja (USA) illustrated PDE5 Inhibition as a means to improve the therapeutic efficacy of adipose-derived stem cells. Professor Arunabha Ray (India) explained the possible role of free radicals in theophylline-induced cardiotoxicity.
in an experimental model. Professor Lindsay Brown (Australia) at the end of the session third dealt with Functional Foods for obesity in India.

Professor Grant Pierce receiving “Suresh K. Gupta Oration Award for Excellence in Cardiovascular Sciences”, Professor C C Kartha receiving “Ramesh K. Goyal Oration Award for Excellence in Cardiovascular Sciences”, and Professor Dinendra Singla receiving “Harpal S Buttar Oration Award for Excellence in Cardiovascular Sciences”

In the fourth scientific session, Professor Harpal Buttar (Canada) delineated strategies to prevent cardiovascular diseases vis-à-vis heart failure diets and lifestyle modifications. Exploring the root cause of cardiovascular disorders Dr. Jayesh Sheth (India) talked about bringing genomic study from bench to bedside for better disease management.

After a refreshing tea break, Naranjan Dhalla Young Investigator Oral and poster presentation started. In the oral session, 12 young scientists while showcasing their outstanding research work vied with each other for the award. 84 posters were presented in three sessions spanning two days.
A clinical Symposium on Diabetes and Cardiovascular Complications

In the evening of 5th February, a clinical symposium addressing the issues while managing patients with diabetes were discussed and deliberated. Dr. Hemant Antani eloquently described, targeting audience comprising of young researchers and clinicians, the ways to minimize the risk of cardiovascular disease in patients with diabetes mellitus. Dr. Sanjiv Shah exceptionally explained heart failure and anti-diabetic drugs. Talk on Hypertension and Cardiovascular disease was presented by Dr. Padmanabh Zinzuwadia. Dr. Chintan Vyas discussed anti-platelet therapy for cardiovascular risk management in patients with diabetes.
A clinical symposium on ‘Diabetes and Cardiovascular Complications’ and ‘Heart failure’

To show the diversity of India, an enthralling and enthusiastic cultural program was presented to the conference delegates and resource persons, performed by the students of Anand Pharmacy College, followed by delectable dinner.
A cultural fiesta

The second day of the intellectual gathering began with a talk by Professor Ramesh Goyal (India), on the application of biomarkers in diagnostic with special reference to pregnancy induced hypertension. Professor Addepalli Veeranjaneyulu (India) thoroughly explained the efficacy of Nobiletin, a citrus flavonoid, in the treatment of cardiovascular dysfunction of diabetes. Describing the pathophysiology of atherosclerosis and etiological causes of peripheral arterial disease, Professor Amarjit Arneja (Canada) presented a novel conservative therapy of using the art assist® device in chronic limb ischemia.

A clinical symposium on heart failure

A clinical session was organized where doctors presented and discussed new approaches in management strategies for patients with heart failure. Dr. Vipul Kapoor discussed the updates in heart failure 2016 guidelines. Dr. Manan Desai revealed the clinical success and understanding of stem cells application in cardiac diseases. Dr. Vineet Sankhla with his clinical cases informed physicians about diabetes and coronary artery disease. Dr. Janak Patel explained the novel approach to managing cardiac and non-cardiac pain.
A parallel preclinical session encompassing cardiovascular and metabolic diseases was organized. Professor Balaraman (India) explained the role of PPARγ agonist in experimental endotoxemia induced adipose inflammation and insulin resistance in db/db mice. Dr. Bhaswat Chakraborty (India) presented a robust approach to primary and secondary prevention of cardiovascular morbidity and mortality. Professor Ipseeta Ray (India) lucidly depicted the effect of Berberine as DPPIV inhibitor ameliorating cardiometabolic changes in the experimental model of diabetes coexisting with metabolic syndrome. Dr. Surya Ramachandran (India) described Cyclophilin A as a potential serological marker of macrovascular disease in diabetes mellitus.

Before networking luncheon, the last session focused on basic science research aiming to explore and exploit novel findings. Professor Anita Mehta (India) emphasized on the role of PI3K, PKC, and eNOS in coronary angiogenic response. The session concluded with Professor Tejal Gandhi (India) exploring a link between CYPs 450 and cardiometabolic syndrome.

The conference ended with a valedictory ceremony on the evening of 6th February. Professor Tejal Gandhi presented conference report comprising of the details about technical sessions, the number of posters and oral presentations, resource persons, to the august audience. Chief Guest Dr. Hemant Koshia, commissioner FDCA, Gujarat, informed about the regulatory aspects of the drug product. Guest of Honor Dr. Lal Hingorani, CMD Pharmanza Herbal Pvt Ltd also addressed audience sharing his experience of the pharmaceutical industry.
The valedictory function also witnessed the most awaited moment of prize distribution for best oral and poster presentation. The two “Naranjan S Dhalla Young Investigator Award for Best Oral Presentation” were given to Bhoomika Patel on her talk ‘Beneficial Role of Sodium Butyrate in Cardiac Hypertrophy Through Inhibition of HDAC2’ and Rajesh Kumar Suman on his talk ‘Natural DPP-IV Inhibitor Mangiferin Mitigates Diabetes and Metabolic Syndrome Induced Changes In Experimental Rats’. The two “Naranjan S Dhalla Young Investigator Award for Best Poster Presentation” were given to Thomas Jaya Mary and A. Vinitha. The three “Anand Pharmacy College Award for Best Poster Presentation” were given to Kumar Vikas, Jayesh Beladiya, and Majinder Singh.
Anand Pharmacy College award for best poster presentation a) Kumar Vikas, b) Jayesh Beladia, and c) Majinder Singh

Intellectual event acted as the common platform for convergence of latest breakthroughs in the cardiovascular world. Collaborative and constructive deliberations by researchers, academicians, clinicians, industry persons, and young researchers made the conference a delightful event of knowledge dissemination and gaining. High praises and appreciation were extended to the organizing committee by the speakers and delegates for the arrangement, hospitality, and excellent services rendered. The conference ended with a pledge to bolster further the research in the cardiovascular field and serve the academy with full dedication to fulfilling the purpose for which it was established.
Group photograph of the speakers, delegates, and organizing committee members of 8th International Conference on Translational Research in Cardiovascular Sciences, 5-6 February 2016