

## 7<sup>th</sup> World Congress on Cardiology and Cardiovascular Therapeutics

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### ABOUT CONFERENCE

Conference Series LLC LTD holds 2021 Cardiology and Cardiovascular Therapeutics (WCCCT 2021): Looking Ahead to the progress of Heart Failure and Heart Diseases Research. Cardiology Conference offers exceptional sessions, presentations for all levels of academics, and networking opportunities with leaders in the field. One of the main features of this Scientific symposium or the cardiology conferences is that they cover a broad spectrum of subspecialties. The Poster sessions are packed with the latest emerging cardiovascular research, initiatives, and interactive lunch workshops which we make sure that happens takes breakout sessions to the next level.

With the support of 2021 Cardiology Committee Members, we have scheduled our “7<sup>th</sup> World Congress on Cardiology and Cardiovascular Therapeutics” around the theme ‘Highlighting Modern Techniques in Cardio and Cardiovascular Diseases. WCCCT 2021 is a premier educational event in the field of Cardiovascular Therapeutics and Cardiology that rotates between continents and is organized in collaboration with national and international Cardiac societies and associations. The World Congress on Cardiology and Cardiovascular Therapeutics is targeted to the international Cardiology, Cardiac Surgery, and Cardiovascular community as well as the other healthcare professionals involved in multidisciplinary Heart Care; thus, enabling professionals from worldwide to exchange their views on a wide variety of topics affecting the heart and those suffering from heart diseases around the globe. WCCCT 2021 exists to advance the science and art of medicine and surgery related to the care of the heart. WCCCT 2021 works with many other organizations to achieve its aims of supporting patients and improving standards.

With the changing lifestyle of our modern society, cardiovascular diseases have become very common and are one of the major challenges for our modern society. As per a report published by the World Health Organization, out of all the other diseases, cardiovascular disorders result in the maximum number of deaths globally. A total death percentage of 35%, is only because of cardiovascular diseases. Hence a need for such summits or conferences has emerged where there can be a thought-provoking research discussion and a solution can be found for heart-related diseases. Cardiology conferences

With the unhealthy lifestyle and aging population heart disease

or cardiovascular diseases and strokes have become major health risks for our modern society.

With the expanding demography of the senior citizens in the world, every country is increasing its budgetary allocation towards the health sector hence Cardiologist's industry is expected to witness dramatic growth by 2021.

Our major objective is to bring together researchers, leading experts, and the most respected clinicians in the field of healthcare, cardiology, and cardiothoracic to share and exchange meaningful experiences and researches of various treatment procedures for cardiological disorders. At the Prestigious event gathering, we make sure that the participants get to spend time so that they can connect to peers and colleagues, can exchange their ideas and information, and can get out in front of the latest trends and advancements in cardiac health.

### ***The main objectives of the Cardiology and Cardiovascular Therapeutics Conferences are :***

To expand and improve the education of physicians through worldwide heart conferences, heart failure congress, cardiac surgery meetings, collaboration

To attain the best possible heart health for all people around the globe.

Support the development of medical and clinical research on heart and cardiothoracic surgery

Provide a platform to present new ideas and treatments for heart and cardiothoracic surgery

Promote the scientists and physicians to share the research works and formulate new medical innovations

### ***Scope and Importance***

Maximum Countries over the globe now offer access to various medical educations. 2021 World Congress on Cardiology and Cardiovascular Therapeutics, a cardiology conference, provides a platform to encourage control and prevention of health against any cardiovascular diseases or cardio-logical disorders, or stroke through a full range of information and access to the world education.

### **SESSIONS/TRACKS**

#### ***Cardiology - Future Medicine***

A cardiologist is a doctor who specializes in the studies of the

heart & its functions & also diagnosis, treatment, and preventing diseases related to heart and blood vessels. You might also visit a cardiologist, so you can learn about your risk factors for heart disease and find out what measures you can take for better heart health. Cardiology – Future medicine is a field that is changing rapidly, new technologies as drug-eluting stents, assist devices for the left ventricle, and novel inflammatory markers, and imaging modalities such as magnetic resonance imaging and 3D echocardiography.

### ***Cardiovascular Diseases***

Cardiovascular disease (CVD) is a class of diseases that involve the heart or blood vessels. CVD includes coronary artery diseases (CAD) such as angina and myocardial infarction (commonly known as a heart attack). Other CVDs include stroke, heart failure, hypertensive heart disease, rheumatic heart disease, cardiomyopathy, abnormal heart rhythms, congenital heart disease, valvular heart disease, carditis, aortic aneurysms, peripheral artery disease, thromboembolic disease, and venous thrombosis.

### ***Congenital Heart Disease***

A congenital heart defect is a problem with the structure of the heart. It is present at birth. Congenital heart defects are the most common type of birth defect. The defects can involve the walls of the heart, the valves of the heart, and the arteries and veins near the heart. They can disrupt the normal flow of blood through the heart. The blood flow can slow down, go in the wrong direction or to the wrong place, or be blocked completely.

### ***Pediatric Cardiology***

Pediatric cardiologists specialize in diagnosing and treating heart problems in children. In those children who might need heart surgery, pediatric cardiologists work closely with pediatric heart surgeons to determine the best treatments and interventions. Several heart conditions can affect children. Some are structural differences they are born with. Others involve the electrical system that controls the heartbeat. Pediatric cardiologists are specially trained to diagnose and manage these problems.

### ***Cardiac Surgery***

Cardiac surgery, or cardiovascular surgery, is surgery on the heart or great vessels performed by cardiac surgeons. It is often used to treat complications of ischemic heart disease (for example, with coronary artery bypass grafting); to correct congenital heart disease; or to treat valvular heart disease from various causes, including endocarditis, rheumatic heart disease, and atherosclerosis. It also includes heart transplantation.

### ***Heart Failure***

Heart failure is a condition in which the heart can't pump enough blood to meet the body's needs. In some cases, the heart can't fill with enough blood. In other cases, the heart can't pump blood to the rest of the body with enough force. Some people have both problems. Heart failure develops over time as the heart's pumping action grows weaker. The condition can affect the right side of the heart only, or it can affect both sides of the heart. Most cases involve both sides of the heart. Heart failure is a very common condition. About 5.7 million people in the United States have heart failure. Both children and adults can have the

condition, although the symptoms and treatments differ. The Health Topic focuses on heart failure in adults.

### ***Heart Devices***

Many cardiac devices are designed to help control irregular heartbeats in people with heart rhythm disorders. These irregularities are caused by problems with the heart's electrical system, which signals the heart to contract and pump blood throughout the body.

### ***Cardiac Nursing***

Cardiac nursing is a nursing specialty that works with patients who suffer from various conditions of the cardiovascular system. Cardiac nurses help treat conditions such as unstable angina, cardiomyopathy, coronary artery disease, congestive heart failure, myocardial infarction, and cardiac dysrhythmia under the direction of a cardiologist. Cardiac nurses perform postoperative care on a surgical unit, stress test evaluations, cardiac monitoring, vascular monitoring, and health assessments. Cardiac nurses must have Basic Life Support and Advanced Cardiac Life Support certification. In addition, cardiac nurses must possess specialized skills including electrocardiogram monitoring, defibrillation, and medication administration by continuous intravenous drip. Cardiac nurses work in many different environments, including coronary care units (CCU), cardiac catheterization, intensive care units (ICU), operating theatres, cardiac rehabilitation centers, clinical research, cardiac surgery wards, cardiovascular intensive care units (CVICU), and cardiac medical wards.

### ***Cardiac Transplantation***

A heart transplant, or a cardiac transplant, is a surgical transplant procedure performed on patients with end-stage heart failure or severe coronary artery disease when other medical or surgical treatments have failed. As of 2018, the most common procedure is to take a functioning heart, with or without transplanting one or both lungs at the same time, from a recently deceased organ donor (brain death is the standard) and implanting it into the patient. The patient's own heart is either removed or replaced with the donor heart (orthotopic procedure) or, much less commonly, the recipient's diseased heart is left in place to support the donor's heart (heterotopic, or "piggyback", transplant procedure).

### ***Case Reports on Cardiology***

A case report on Cardiology gives an appropriate convention for all cardiologists by rendering their important clinical cases of late occurrence. Studying medical cases provides valuable experience for clinicians, students, and paramedical staff -members. Rare medical reports and conditions discovered through the latest methods of examination are energized. Moreover, studying diagnostic methods from medical cases and the interpretation of symptoms is significant to train and burgeon the thought processes which are being used in the clinical field.

### ***Cardiac Pharmacology***

Cardiovascular diseases as well as a heart condition, arrhythmias, and high blood pressure, is that the leading reason for morbidity and mortality globally. The prevention diagnosis and treatment of cardiovascular diseases. There are a unit various devastating

conditions touching the center and blood vessels, resulting in high demand for vas medicine. Cardiology disorders embrace arteria diseases, heart failure, and congenital heart defects.

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