

# Translational Research In Coronary Artery Disease Pathophysiology To Treatment

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## **Translational Research In Coronary Artery**

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Pathophysiology to Treatment covers the entire spectrum of basic science, genetics, drug treatment, and interventions for coronary artery disease. With an emphasis on vascular biology, this reference fully explains the fundamental aspects of coronary artery disease pathophysiology.

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The present Special Issue aims to summarize the newest advances in cardiovascular translational research with respect to comorbid patients which represent a clinical setting increasingly becoming more and more important. ... are a risk factor of cardiovascular mortality in patients with coronary artery disease (CAD). Acute coronary syndrome ...

## **Pharmaceuticals | Special Issue : Novel Translational ...**

Evolving vessel wall-based, endovascular coronary imaging modalities, including intravascular ultrasound (IVUS), optical coherence tomography (OCT) and near-infrared spectroscopy (NIRS), used in isolation or as hybrid modalities, have been advanced to allow comprehensive visualization of the pathological substrate of coronary atherosclerosis and accurately measure temporal changes in both the ...

## **The role of intracoronary imaging in translational**

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Translational Research in Coronary Artery Disease: Pathophysiology to Treatment covers the entire spectrum of basic science, genetics, drug treatment, and interventions for coronary artery disease. With an emphasis on vascular biology, this reference fully explains the fundamental aspects of coronary artery disease pathophysiology.

## **Translational Research in Coronary Artery Disease eBook by ...**

Introduction. Translational research is fundamentally the multidirectional integration of basic, patient-oriented and population-based research, with the long-term aim of improving the health of the public (). Appearing in peer reviewed literature as early as 1993, what best defines translational research has been less clear than that of basic and clinical research.

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## **The role of intracoronary imaging in translational research**

Translational Research in Coronary Artery Disease: Pathophysiology to Treatment covers the entire spectrum of basic science, genetics, drug treatment, and interventions for coronary artery disease. With an emphasis on vascular biology, this reference fully explains the fundamental aspects of coronary artery disease pathophysiology. Included are important topics, including endothelial function ...

## **Translational Research in Coronary Artery Disease ...**

Coronary Artery Spasm and Adventitial Inflammation. Coronary artery spasm plays an important role in the pathogenesis of a wide range of ischaemic heart disease, not only in variant angina, but also in other forms of angina pectoris and myocardial infarction. 1,2 Recent studies have demonstrated that coronary spasm is also as frequently noted in European people as in Asian

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people. 3

## **Coronary Artery Spasm and Imaging Research - Expert Review ...**

The current study developed, to the best of our knowledge for the first time, a novel translational informatics approach in combining molecular and clinical information for translational research. One of the key aspects of CAD research has been the identification of potential biomarkers for risk prediction, with infection having been identified as an important factor (1-7, 2 3-2 9).

## **Translational informatics approach for identifying the ...**

In the cardiac literature, the clinical problems are more disparate (i.e., from congenital anomalies to coronary artery disease); although no distinctive translational interface links these fields, translational research does occur in certain subdomains,



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especially in research on atherosclerosis and hypertension.

## **Detection and characterization of translational research**

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Introduction. Coronary artery disease (CAD) and acute myocardial infarction (AMI) are major causes of mortality and morbidity in the world and are estimated to be responsible for 15%–20% of deaths in the United States []. To overcome and treat CAD, numerous AMI models using rodents, sheep, dogs, and pigs have been developed to study the associated pathophysiological, cellular, and molecular ...

## **Journal of Biomedical and Translational Research**

Introduction. Translational research is fundamentally the multidirectional integration of basic, patient-oriented and population-based research, with the long-term aim of improving the health of the public (). Appearing in peer reviewed literature

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as early as 1993, what best defines translational research has been less clear than that of basic and clinical research.

## **The role of intracoronary imaging in translational research**

Genome-wide Polygenic Risk Scores, for example, quantify the genomic contribution to risk assessment of complex diseases, such as coronary artery disease and atrial fibrillation, using the cumulative effect of variation across the genome. 13,14 In a recent study, a Genome-wide Polygenic Risk Scores for coronary artery disease could detect 8% of the population who are at 3-fold increased risk ...

## **Translational Medicine in the Era of Big Data and Machine**

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Translational research—both from the bench to the bedside and from the bedside to the community—is strongly and specifically

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underscored throughout the plan. Here, we summarize NHLBI programs and efforts in translational research. ... among adults with coronary artery disease, heart failure, ...

## **Translational Research for Cardiovascular Diseases at the ...**

Treating coronary artery disease remains an important goal, which may reduce both mortality and morbidity worldwide. Primary and secondary prevention can address modifiable risk factors such as arterial hypertension, hyperlipidemia, or diabetes mellitus—with the adaption of Western life style, the metabolic syndrome is becoming an increasingly prevalent in Asian countries.

## **Translational atherosclerosis research: From experimental ...**

Description. Features reports of original research with a clinical

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emphasis, including observational studies, clinical trials, translational research, novel imaging, pharmacology and interventional approaches as well as advances in laboratory research that contribute to the understanding of coronary artery disease.

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