



Clinical Application of Novel Therapies for Coronary Angiogenesis: Overview, Challenges, and Prospects

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Abstract

Cardiovascular Disease continues to be the leading cause of death on both a national and global scale. Many investigators have explored novel therapeutic approaches in the field with success in preclinical animal models. However the translation from these studies to clinical trials have shown little to no improvement in cardiac function. In the published work “Clinical Application of Novel Therapies of Coronary Angiogenesis: Overview, Challenges and Prospects” we have evaluated patterns and challenges in this translation and provide prospective strategies to overcome these challenges , particularly in patient selection, endpoint measurements, comorbidities as well as delivery systems.

Biography

Sidharth Raj is currently pursuing his undergraduate Bachelor of Science in Chemical Engineering concomitantly with pre-medicine from Brown University, USA. He is a student currently entering his third year as a Junior of Brown University. He has been a member of the CardioVascular Research Team led by Dr M Ruhul Abid since 2020 and has contributed to review articles and is currently contributing to research papers as well as his own research paper which he hopes to publish in the following year. He has served as a lab member and has extensive training in small animal (mice) handling which he hopes to cultivate in order to become a small animal surgeon for the lab. Outside of the scientific field, Sidharth carries out public speaking events such as TED talks, Toast Masters, Patent Pitches, Presentations at Multinational Oil Companies and is well known international stand up comedy shows. He has used and developed these skills to cascade technical information gathered from his studies in a highly engaging manner to audience members of all backgrounds.

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