

## Stem cells applications in cardiology

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### Abstract

Stem cells therapy is a new modality for treatment of heart failure, myocardial infarction, intractable angina, and during cardiac surgery. Since 2004 there are more than 300 phase 1, phase 2 and phase 3 trials showing the safety and efficacy of this therapy. Different types of stem cells used mainly bone marrow derived, adipose derived and cardiac derived. There were 4 routes of injections used including direct cardiac, subendo cardial, intracoronary and intravenous injections. There are many published meta-analysis of randomized trials showing they are safe, effective, with improvement in left ventricle function, patients symptoms and survival benefit. We believe stem cells therapy will become a recognized and routinely used in cardiology in the coming near future.

### Biography:

Dr. Yahya Kiwan had done his MBCHB in Iraq. He is member of Royal College of Physicians (London) 1985. He is fellow of Royal College of Physicians (Glasgow) 1997, Royal Australasian College of Physicians 1998, of Royal College of Physicians (London) 2001, Society of Cardiac Angiography and Interventions 200, Australia and New Zealand Cardiac

Society 2005 and American college of Cardiology 2005. He done his Diploma in Business Management (UK) and Certificate in Hospital Management, Washington institute, Dubai. He published a hand book of interventional cardiac procedures for junior cardiologist first edition in 2015 and published Second edition in 2018. At Present he is working as a Senior Consultant interventional Cardiologist at Medcare Hospital, Dubai, UAE and Jumairah American Clinic.