

Joint Meeting on
7th INTERNATIONAL CONFERENCE ON HYPERTENSION AND HEALTHCARE
&
29th INTERNATIONAL CONFERENCE ON CARDIOLOGY AND HEALTHCARE
June 10-11, 2019 Helsinki, Finland



Dhavendra Kumar

Cardiff University School of Medicine, UK

Cardiovascular genomic medicine in clinical cardiology- Precision and personalized care

Cardiovascular genetics and genomics is a distinct subspecialty interest within the current clinical genetics and genomics practice. It has rapidly transformed into cardiovascular genomic medicine specifically aimed at delivering the multi-disciplinary team led precision and personalized cardiac healthcare. The scope and remit of the clinical cardiovascular medicine is very wide. It deals with a number of Inherited Cardiovascular Conditions (ICCs) that are collectively common in a busy secondary or tertiary cardiovascular service unit. These include isolated or complex congenital heart diseases, inherited disorders of the myocardium, disorders of the cardiac conduction and rhythm, isolated and complex disorders of arteries and aorta and a number of other genetic disorders with significant cardiovascular system involvement. This study provides an overview on commonly referred ICCs to a typical clinical cardiology service. In the UK, major tertiary service providers have joined up with the clinical genetics service and many other specialists. The National Health Service across UK has adopted the multi-disciplinary team approach for specialized genomic led services. Evidence-based clinical protocols and pathways are used to guide the comprehensive healthcare for patients, closely related family members. Emphasis is laid on referral and genetic/genomic testing guidelines that are jointly used by clinical geneticists, genetic counselors, clinical cardiologists, specialist cardiac nurses and other allied support scientific and healthcare members of the multi-disciplinary ICC team. The scope and applications of cardiovascular genomics in community/public health is also discussed.

Biography

Dhavendra Kumar has special interest and authored/edited many textbooks and monographs in clinical genetics include clinical cardiovascular genetics, genomic medicine and genomic applications in global healthcare. He is one of the Founding Members of the Association for Inherited Cardiac Conditions (AICC) and serves on the British Heart Foundation Led National Steering Group for ICC.