# Dr Dipak Kotecha

# NIHR Clinical Lecturer in Cardiovascular Medicine

Cardiovascular and Respiratory Sciences

#### Contact details

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#### **About**

Dipak is a Clinical Lecturer in Cardiovascular Medicine across the clinical sites attached to the University of Birmingham. He is also an Honorary Research Fellow at the Clinical Trials & Evaluation Unit, Royal Brompton Hospital / Imperial College, London and the Monash Centre of Cardiovascular Research & Education, Monash University, Melbourne.

Dipak is also Principal Investigator of the Alternative Risk Markers in Coronary Artery Disease (ARM-CAD) Study (www.armcad.com (http://www.armcad.com/)\_)

His main interests are vascular function, coronary artery disease and heart failure. He regularly presents at major international conferences and is currently coordinating a global collaborative heart failure group. His teaching interests include clinical echocardiography and biomedical statistics.

### Qualifications

- MBChB 2000
- MRCP 2004
- PhD 2010

## **Biography**

Dipak studied Medicine at the University of Bristol and trained as a junior doctor in the south-west of England. After gaining Membership of the Royal College of Physicians (London) in 2004 he departed for Australia to gain further clinical and academic experience. He worked as a Cardiology Registrar in Melbourne for 2 years before starting his PhD studies. Registered at the National Heart & Lung Institute, Imperial College London, the PhD was an international collaborative project with Monash University in Melbourne. After completing his PhD, Dipak re-joined the NHS in 2009 and has been a clinical trainee in Oxford. During this time he has continued his academic work, leading to his appointment as a Clinical Lecturer here in Birmingham.

#### **Teaching**

- Biostatistics tutor, Monash University, Melbourne
- MRCP PACES tutor, Oxford Deanery
- Clinical tutor in transthoracic and transoesphageal echocardiography, Oxford Deanery

### Postgraduate supervision

- Supervision of Honours students, Imperial College, London and Monash University, Melbourne.
- Supervision of research fellows, Oxford

# Research

Principal Investigator of the Alternative Risk Markers in Coronary Artery Disease (ARM-CAD) Study. Multi-centre research study to assess vascular dysfunction and angiographic coronary artery disease in high-risk populations. Secondary data analyses ongoing, including new concepts in arterial pressure compliance, pulse wave velocity measurements, 5-year follow-up data and assessment of biomarkers. (<a href="https://www.armcad.com/">www.armcad.com/</a>(<a href="https://www.armcad.com/">https://www.armcad.com/</a>)

Co-ordinator and steering committee member for the Beta Blockers in Heart Failure Collaborative Group (BB-meta-HF). Establishing a collaboration of global investigators involved in the major trials of beta-blockers in symptomatic left-ventricular dysfunction and undertaking a meta-analysis of individual patient data (n=18630). Currently in data-acquisition and analysis stage.

Principal Investigator of the Cardiovascular Longitudinal Evaluation & Assessment of Risk (CLEAR) Database. Cross-research database to incorporate current and future investigator-driven studies, improve data collection, standardise cardiovascular risk information and enhance recruitment into research projects. Commenced recruitment 2007 (currently n=4500).

Member of the authorship team for a Cochrane Review of erythropoiesis-stimulating agents for anaemia in chronic heart failure patients. Meta-analysis to assess the clinical benefits in terms of exercise tolerance, symptoms, quality of life and health outcomes. Initial Cochrane review publication Jan 2010.

#### Other activities

- Cardiology Registrar at the Queen Elizabeth Hospital, Birmingham (specialising in cardiac imaging)
- Member of the European Society of Cardiology Task Force on Gender

#### **Publications**

Kotecha D\*, Manzano L, Altman DG, Krum H, Erdem G, Williams N, Flather MD. Individual Patient Data Meta-Analysis of Beta-Blockers in Heart Failure: Rationale and Design. Syst Rev 2013;2:7.

Kotecha D\*, New G, Collins P, Eccleston D, Krum H, Pepper J, Flather MD. Radial Artery Pulse Wave Analysis for Non-invasive Assessment of Coronary Artery Disease. Int J Cardiol 2012 (in-press). DOI: <a href="http://dx.doi.org/10.1016/j.ijcard.2012.03.098">http://dx.doi.org/10.1016/j.ijcard.2012.03.098</a> (http://dx.doi.org/10.1016/j.ijcard.2012.03.098)

Kotecha D\*, New G, Flather M, Eccleston D, Pepper J, Krum H. Five-minute heart rate variability can predict obstructive angiographic coronary disease. Heart 2012;98:395-401.

Kotecha D\*, Ngo K, Walters J, Manzano L, Palazzuoli A, Flather M. Erythropoietin as a treatment of anemia in heart failure: Systematic review of randomized trials. Am Heart J. 2011:161:822-831.

Kotecha D\*, Flather M, McGrady M, Pepper J, New G, Krum H, Eccleston D. Contemporary predictors of coronary artery disease in patients referred for angiography. Eur J Cardiovasc Prev Rehabil. 2010:17: 280-288.

Ngo K\*, Kotecha D, Walters JA, Manzano L, Palazzuoli A, van Veldhuisen DJ, Flather M. Erythropoiesis-stimulating agents for anaemia in chronic heart failure patients. Cochrane Database Syst Rev. 2010:(1): CD007613.

Cohen-Solal A, Kotecha D\*, van Veldhuisen D, Bohm M, Coats A, Roughton M, Babalis D, Poole-Wilson P, Tavazzi L, Flather M. Efficacy & safety of nebivolol in elderly heart failure patients with impaired renal function. Eur J Heart Fail. 2009;11(9):872-80.

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