# Professor Rob N Doughty

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**Biography**

Professor Rob Doughty holds the Heart Foundation Chair of Heart Health at the University of Auckland where he runs a programme of research related to improving the understanding of the causes, prevention and treatment of heart disease in NZ. He is a cardiologist at the Green Lane Cardiovascular Service, Auckland City Hospital and at the Auckland Heart Group.

**Research / Current**

Current research interests include the genetic and environmental causes of premature coronary disease, cardiovascular risk management, outcomes and innovative therapies for patients with heart failure, atrial fibrillation and individual patient data meta-analyses.

**Teaching / Current**

Professor Doughty teaches at the Faculty of Medical and Health Sciences at The University of Auckland. Teaching responsibilities include undergraduate medical student teaching and supervision of postgraduate students.

**Professional Memberships**

Medical Council of NZ Specialist Registration (16966)

Fellowships of the Royal Australiasian College of Physicians, Cardiac Society of Australia and New Zealand, UK College of Physicians, and of the European Society of Cardiology

Member of the Heart Foundation of New Zealand Scientific Advisory Board

**Selected Key Publications**

1. Zewinger S, Kleber ME, Tragante V, McCubrey RO, Schmidt AF, Direk K, Laufs U, Werner C, Koenig W, Rothenbacher D, Mons U, Breitling LP, Brenner H, Jennings RT, Petrakis I, Triem S, Klug M, Filips A, Blankenberg S, Waldeyer C, Sinning C, Schnabel RB, Lackner KJ, Vlachopoulou E, Nygård O, Svingen GF, Pedersen ER, Tell GS, Sinisalo J, Nieminen MS, Laaksonen R, Trompet S, Smit RAJ, Sattar N, Jukema JW, Groesdonk HV, Delgado G, Stojakovic T, Pilbrow AP, Cameron VA, Richards AM, **Doughty RN**, Gong Y, Cooper-DeHoff R, Johnson J, Scholz M, Beutner F, Thiery J, Smith JG, Vilmundarson RO, McPherson R, Stewart AFR, Cresci S, Lenzini PA, Spertus JA, Olivieri O, Girelli D, Martinelli N, Leiherer A, Säly CH, Drexel H, Mündlein A, Braund P, Nelson CP, Samani NJ, Kofink D, Hoefer IE, Pasterkamp G, Chong M, Paré G, Yusuf S, Helgadottir A, Thorgeirsson G, Bjornsson E, Quyyumi A, Ko Y-A, Hartiala JA, Allayee H, Tang WHW, Hazen SL, Wallentin L, Åkerblom A, Siegbahn A, Eriksson N, Pilote L, Karp I, Labos K, Engert JC, Brophy J, Thanassoulis G, Bogaty P, Szczeklik W, Kaczor M, Sanak M, Virani S, Ballantyne CM, Lee V-V, Boerwinkle E, Holmes MV, Horne BD, Hingorani A, Asselbergs FW, Patel RS, for the GENIUS-CHD consortium, Fliser D, März W, Scharnagl H, Speer T. A prospective study of lipoprotein (a) and the risk of mortality in patients with established coronary artery disease. ***Lancet Diabetes and Endocrinology*** 2017 May 26 doi: 10.1016/S2213-8587(17)30096-7. [Epub ahead of print] IF 16.320
2. Poppe KK, **Doughty RN**, Wells S, Gentles D, Hemingway H, Jackson R, Kerr AJ. Developing and validating a cardiovascular risk score for patients in the community with prior cardiovascular disease. ***Heart*** 2017;103(12):917-922  *doi:* [10.1136/heartjnl-2016-310668](http://dx.doi.org.ezproxy.auckland.ac.nz/10.1136/heartjnl-2016-310668)

Accompanying Editorial: Banerjee A. Predicting the future of cardiovascular risk prediction. Heart 2017.

1. Rolleston A, Poppe K, **Doughty RN**. The Effect of a 12-week Exercise and Lifestyle Management Programme on Cardiac Risk Reduction: A Pilot using a Kaupapa Māori Philosophy. ***Int J of Indigenous Health*** 2017:11(2):
2. Kaye DM, Hasenfuß G, Neuzil P, Post MC, **Doughty** **R**, Trochu J-N, Kolodziej A, Westenfeld R, Penicka M, Rosenberg M, Walton A, Muller D, Walters D, Hausleiter J, Raake P, Petrie MC, Bergmann M, Jondeau G, Feldman T, Veldhuisen DJv, Ponikowski P, Silvestry FE, Burkhoff D and Hayward C. One-Year Outcomes After Transcatheter Insertion of an Interatrial Shunt Device for the Management of Heart Failure With Preserved Ejection Fraction. ***Circulation: Heart Failure***. 2016;9 (12), Dec 2016, p e003662. DOI: 10.1161/CIRCHEARTFAILURE.116.003662
3. Prickett TCR, **Doughty RN**, Troughton RW, Frampton CM, Whalley GA, Ellis CJ, Espiner EA, and Richards AM.C-type Natriuretic Peptides in Coronary Disease. ***Clinical Chemistry*** 2016;63(1):316-324*.* DOI: 10.1373/clinchem.2016.257816
4. Kerr A, Williams MJA, Harding S, White H, **Doughty RN**, Nunn C, Devlin G, Grey C, Lee M, Flynn C, Rhodes M, Sutherland K, Wells S, Jackson RT, Stewart RAH, on behalf of the ANZACS-QI investigators. The All New Zealand Acute Coronary Syndrome Quality Improvement Programme: Implementation, Methodology and Cohorts (ANZACS-QI 9). ***NZ Med J*** 2016;129:23-36.
5. SH Kueh, G Devlin, M Lee, **RN Doughty**, AJ Kerr. Management and long-term outcome of acute coronary syndrome patients presenting with heart failure in a contemporary New Zealand cohort (ANZACS-QI 4). ***Heart, Lung & Circ*** 2016:25;837-846. doi:10.1016/j.hlc.2015.10.007
6. KK Poppe, **RN Doughty**, GA Whalley, CM Triggs. A new approach to assessment of the left ventricle. ***MethodsX*** 2016;3:274-278. doi: 10.1016/j.mex.2016.03.014
7. Rolleston AK, **Doughty** R, Poppe K. Pounamu: Integration of kaupapa Maori concepts in heart research: a way forward for Maori cardiovascular health. ***J Prim Health Care*** 2016:8(1):60-66
8. Berry C, Poppe KK, Gamble GD, Earle N, Ezekowitz JA, Squire IB, McMurray JJV, McAlister FA, Komajda M, Maggioni A, Ahmed A, Whalley GA, **Doughty RN**, Tarantini L, on behalf of the MAGGIC Collaborative Group. Prognostic significance of anaemia in patients with heart failure with preserved and reduced ejection fraction: results from the MAGGIC individual patient data meta-analysis. ***Quarterly Journal of Medicine*** 2016;109(6):377-382*.* [doi.org/10.1093/qjmed/hcv087](https://doi.org/10.1093/qjmed/hcv087)
9. Simpson J, Castagno D, **Doughty RN**, Poppe KK, Earle N, Squire I, Richards M, Andersson B, Ezekowitz JA, Komajda M, Petrie MC, McAlister FA, Gamble GD, Whalley GA, McMurray JJ; Meta-Analysis Global Group in Chronic Heart Failure (MAGGIC). Is heart rate a risk marker in patients with chronic heart failure and concomittant atrial fibrillation? Results from the MAGGIC meta-analysis. ***Euro J Heart Failure*** 2015;17:1182-1191. doi: 10.1002/ejhf.346.
10. The EchoNoRMAL Collaboration. Ethnic-Specific Normative Reference Values for Echocardiographic LA and LV Size, LV Mass, and Systolic Function: The EchoNoRMAL Study. ***JACC-Cardiovasc Imaging*** 2015;8:656-65.
11. Earle NJ, Poppe KK, Pilbrow AP, Cameron VA, Troughton RW, Skinner JR, Shelling AN, Whalley GA, Ellis CJ, Richards AM, **Doughty RN**. Genetic markers of repolarization and arrhythmic events following acute coronary syndromes. ***Am Heart J*** 2015;169(4):579-86.
12. Rawstorn JC, Gant N, Warren I, Doughty RN, Lever N, Poppe KK, Maddison R. Measurement and Data Transmission Validity of a Multi-Biosensor System for Real-Time Remote Exercise Monitoring Among Cardiac Patients. ***JMIR Rehabil Assist Technol*** 2015;2(1):e2 DOI: 10.2196/rehab.3633
13. Woodward A, Tin Tin S, **Doughty RN**, Ameratunga S. Does cycling make the heart flutter? Six year follow-up of the Taupo Cycle Challenge. ***BMC Public Health*** 2015;15:23. DOI: 10.1186/s12889-014-1341-6
14. Whalley GA, Pitama S, Troughton RW, **Doughty RN**, Gamble GD, Gillies T, Wells JE, Faatoese A, Huria T, Richards M, Cameron VA. Higher prevalence of left ventricular hypertrophy in two Maori cohorts: findings from the Hauora Manawa/Community Heart Study. ***Aus & NZ J of Pub Health*** 2015;39(1):26-31.
15. McIntyre JP, Ellyett KM, Mitchell EA, Quill GM, Thompson JM, Stewart AW, **Doughty RN**, Stone PR, for the Maternal Sleep in Pregnancy Study Group. Validation of thoracic impedance cardiography by echocardiography in healthy late pregnancy. ***BMC Pregnancy & Childbirth*** 2015;15:70.
16. Poppe KK, Whalley GA, **Doughty RN**, Woodward M, Patel A, Chow CK, Hirakawa Y, Chalmers J, Hillis GS, Triggs CM. The development and feasibility of a composite score of echocardiographic indices that may stratify outcome in patients with diabetes mellitus. ***International Journal of Cardiology*** 2015;182:2444-9. doi: 10.1016/j.ijcard.2014.12.087
17. Rigolli M, Rossi A, Quintana M, Klein AL, Yu CM, Ghio S, Dini FL, Prior D, Troughton RW, Temporelli PL;, Poppe KK, **Doughty RN,** Whalley GA, for the MeRGE Collaborators. [The prognostic impact of diastolic dysfunction in patients with chronic heart failure and post-acute myocardial infarction: Can age-stratified E/A ratio alone predict survival?](http://ovidsp.tx.ovid.com.ezproxy.auckland.ac.nz/sp-3.15.1b/ovidweb.cgi?&S=LHMLFPNPBEDDCJDFNCKKICIBJCGMAA00&Complete+Reference=S.sh.58%7c2%7c1) ***International Journal of Cardiology*** 2015;181:362-8.
18. Jackson CE, Castagno D, Maggioni AP, Kober L, Squire IB, Swedberg K, Andersson B, Richards AM, Bayes-Genis A, Tribouilloy C, Dobson J, Ariti CA, Poppe KK, Earle N, Whalley G, Pocock SJ, **Doughty RN**, McMurray JJ on behalf of the Meta-Analysis Global Group in Heart Failure (MAGGIC). Differing prognostic value of pulse pressure in patients with heart failure with reduced or preserved ejection fraction: results from the MAGGIC individual patient meta-analysis. ***Euro Heart J*** 2015;36(18):1106-14.
19. Kenealy TW, Parsons MJG, Rouse APB, **Doughty RN**, Sheridan NF, Harre-Hindmarsh J, Masson S, Rea HH. Telecare for diabetes, CHF or COPD: effect on quality of life, hospital use and costs. A randomised controlled trial and qualitative evaluation. ***PLoS ONE*** 2015;10(3);e0116188
20. Fitzsimons S, **Doughty** RN. Iron deficiency in patients with heart failure. ***Euro Heart J: Cardiovasc Pharm*** 2015;1:58-64.
21. Teh R, Kerse N, Robinson E, Connolly M, Whalley GA, **Doughty RN.** Left Ventricular Geometry and all-cause mortality in advanced age: LiLACS NZ. ***Heart, Lung & Circ*** 2015;24(1):32-39
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24. Walker N, **Doughty** R, Parag V, Harrison J, Bennett M, Freedman B. Pharmacy-based screening for Atrial Fibrillation in high-risk Maori and Pacific. ***NZ Med J*** 2014;127(1398):128-131.
25. Teh R, Kerse N, Kepa M, **Doughty** RN, Moyes S, Wiles J, Wham C, Hayman K, Wilkinson T, Connolly M, Mace C, Dyall L. Self-rated health, health-related behaviours and medical conditions of Maori and non-Maori in advanced age: LiLACS NZ. ***NZ Med J*** 2014 Jul 4;127(1397):13-29.
26. Poppe KK, **Doughty** RN. Outcomes in patients with heart failure with preserved ejection fraction. ***Heart Fail Clin*** 2014 Jul;10(3):503-10. doi: 10.1016/j.hfc.2014.04.012
27. **Wong CM, Hawkins NM, Petrie MC, Jhund P, Gardner RS, Ariti CA,** Poppe K, Earle N, Whalley GA, Squire IB, **Doughty** RN, **McMurray JJV**on behalf of the MAGGIC Investigators. Heart failure in younger patients: the Meta-analysis Global Group in Chronic Heart Failure (MAGGIC). ***Euro Heart J*** 2014 Oct 14;35(39):2714-21. doi: 10.1093/eurheartj/ehu216
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