

PUBLICATIONS

Peer Reviewed Articles

1. Harrison JL, Jensen HK, Peel SA, Chiribiri A, Grondal AK, Block LO, Pedersen SF, Bentzon JF, Kolbitsch C, Karim R, Williams SE, Linton NW, Rhode KS, Gill J, Cooklin M, Rinaldi C, Wright M, Kim WY, Schaeffter T, Razavi RS, O'Neill MD. Cardiac magnetic resonance and electroanatomical mapping of acute and chronic atrial ablation injury: a histological validation study. *Eur Heart J* 2014;35:1486-95.
2. Williams SE, Sabir I, Nimmo C, Linton N, Sebag FA, Harrison J, Wright M, Barrett NA, Shankar-Hari M, O'Neill M. Quantitative assessment of the effects of therapeutic hypothermia on early repolarization in idiopathic ventricular fibrillation survivors – a seven year cohort study. *Circ Arrhythm Electrophysiol* 2014;7:120-6
3. Child N, Hanson B, Bishop M, Rinaldi CA, Bostock J, Western D, Cooklin M, O'Neill M, Wright M, Razavi R, Gill J, Taggart P. Effect of mental challenge induced by movie clips on action potential duration in normal human subjects independent of heart rate. *Circ Arrhythm Electrophysiol* 2014;7:518-523
4. Sohal M, Amraoui S, Chen Z, Sammut E, Jackson T, Wright M, O'Neill M, Gill J, Carr-White G, Rinaldi CA, Razavi R. Combined identification of septal flash and absence of myocardial scar by cardiac magnetic resonance imaging improves prediction of response to cardiac resynchronization therapy. *J Interv Card Electrophysiol* 2014;40:179-90
5. Panayiotou M, King AP, Housden RJ, Ma Y, Cooklin M, O'Neill M, Gill J, Rinaldi CA, Rhode KS. A statistical method for retrospective cardiac and respiratory motion gating of interventional cardiac x-ray images. *Med Phys* 2014;41(7):071901
6. Sebag FA, Lellouche N, Chen Z, Tritar A, O'Neill MD, Gill J, Wright M, Leclercq C, Rinaldi CA. Positive response to cardiac resynchronization therapy reduces arrhythmic events after elective generator change in patients with primary prevention CRT-D. *J Cardiovasc Electrophysiol* 2014 epub ahead of print
7. Karim R, Ma Y, Jang M, Housden RJ, Williams DE, Chen Z, Ataollahi A, Althoefer K, Rinaldi CA, Razavi R, O'Neill MD, Schaeffter T, Rhode KS. Surface flattening of the human left atrium and proof-of-concept clinical applications. *Comput Med Imaging Graph* 2014; 38: 251-66
8. Krueger MW, Rhode KS, O'Neill MD, Rinaldi CA, Gill J, Razavi R, Seemann G, Doessel O. Patient-specific modelling of atrial fibrosis increases the accuracy of sinus rhythm simulations and may explain maintenance of atrial fibrillation. *J Electrocardiol* 2014;47:324-8.
9. Sohal M, Williams S, Akhtar M, Shah A, Chen Z, Wright M, O'Neill M, Patel N, Hamid S, Cooklin M, Bucknall C, Bostock J, Gill J, Rinaldi CA. Laser lead extraction to facilitate cardiac implantable electronic device upgrade and revision in the presence of central venous obstruction. *Europace* 2014;16:81-7
10. Zuberi A, Gill J, O'Neill M. Dyspnoea post pulmonary vein isolation: Occam's razor blunted. *Int J Cardiol* 2014;171:e88-9
11. Jarman JW, Wong T, Kojodjojo P, Spohr H, Davies JE, Roughton M, Francis DP, Kanagaratnam P, O'Neill MD, Markides V, Davies DW, Peters NS. Organizational index mapping to identify focal sources during persistent atrial fibrillation. *J Cardiovasc Electrophysiol* 2014;25:355-63
12. Panayiotou M, King AP, Ma Y, Housden RJ, Rinaldi CA, Gill J, Cooklin M, O'Neill M, Rhode KS. A statistical model of catheter motion from interventional x-ray images: application to image-based gating. *Phys Med Biol* 2013;58(21):7453-62
13. Sohns C, Karim R, Harrison J, Arujuna A, Linton N, Sennett R, Lambert H, Leo G, Williams S, Razavi R, Wright M, Schaeffter T, O'Neill M, Rhode K. Quantitative magnetic resonance imaging analysis of

the relationship between contact force and left atrial scar formation after catheter ablation of atrial fibrillation. *J Cardiovasc Electrophysiol* 2013;15:1136-42

14. Sebag FA, Chaachoui N, Linton NW, Amraoui S, Harrison J, Williams S, Rinaldi AC, Gill J, Cooklin M, Kirubakaran S, O'Neill MD, Wright M, Lellouche N. Persistent atrial fibrillation presenting in sinus rhythm: Pulmonary vein isolation versus pulmonary vein isolation plus electrogram-guided ablation. *Arch Cardiovasc Dis* 2013;106:501-10
15. Kirubakaran S, Rajani R, Linton N, Kieseewetter C, Anderson D, O'Neill M Catheter ablation for persistent atrial fibrillation in a patient with previous repair of total anomalous pulmonary venous connection. *Circ Arrhythm Electrophysiol* 2013;6:e54-5
16. Ma Y, Gogin N, Cathier P, Housden RJ, Gijsbers G, Cooklin M, O'Neill M, Gill J, Rinaldi CA, Razavi R, Rhode KS. Real-time x-ray fluoroscopy-based catheter detection and tracking for cardiac electrophysiology interventions. *Med Phys* 2013;40(7):071902
17. Krueger MW, Seemann G, Rhode KS, Weber FM, Linton N, Williams S, Gill J, Rinaldi CA, O'Neill MD, Razavi R, Dossel O. Fusion of local activation time maps and image data to personalize anatomical atrial models. *Lecture Notes in Computer Science* 2013; 7945 LNCS:1-10
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25. Panayiotou M, King AP, Ma Y, Rinaldi CA, Gill J, Cooklin M, O'Neill M, Rhode KS. Automatic image-based retrospective gating of interventional cardiac X-ray images. *Conf Proc IEEE Eng Med Biol Soc* 2012 Aug;4970-3
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30. Arujuna A, Karim R, Caulfield D, Knowles B, Rhode K, Schaeffter T, Kato B, Rinaldi CA, Cooklin M, Razavi R, O'Neill MD, Gill J. Acute pulmonary vein isolation is achieved by a combination of reversible and irreversible atrial injury following catheter ablation: evidence from magnetic resonance imaging. *Circ Arrhythm Electrophysiol* 2012;5(4):691-700
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