Supplementary Material S3

**A new algorithm to diagnose atrial ectopic origin from multi lead ECG systems – insights from 3D virtual human atria and torso**

Erick A. Perez Alday1\*, Michael A. Colman1\*, Philip Langley2, Timothy D. Butters1, Jonathan Higham1, Antony J. Workman3, Jules C. Hancox1 4, Henggui Zhang1+

*1 Biological Physics Group, Department of Physics and Astronomy, University of Manchester, Manchester, United Kingdom,*

*2School of Engineering, University of Hull, Hull, United Kingdom,*

*3Institute of Cardiovascular and Medical Sciences, University of Glasgow, Glasgow, United Kingdom,*

*4School of Physiology, Pharmacology and Cardiovascular Research Laboratories, School of Medical Sciences, University of Bristol, Bristol, United Kingdom.*

\**Both authors have contributed equally to this study.*

*+Correspondence: henggui.zhang@manchester.ac.uk*

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**Figure S3**. Lead 2 of the 64-lead ECG system. The red line in figure A is the P-wave obtained with the normal torso conductivity. Line blue is the P-wave obtained using an average tissue conductivity including muscles and fat. The black line represents the P-wave obtained using an average tissue conductivity including muscle, fat and skin. B is the same three different cases normalized. All the conductivities are taken from Grimnes and Martinsen, 2008 [21].