Supplementary Material S3

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

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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].