S3 FIG.

Modeling hypothermia induced effects for the heterogeneous ventricular tissue from cellular level to the impact on the ECG

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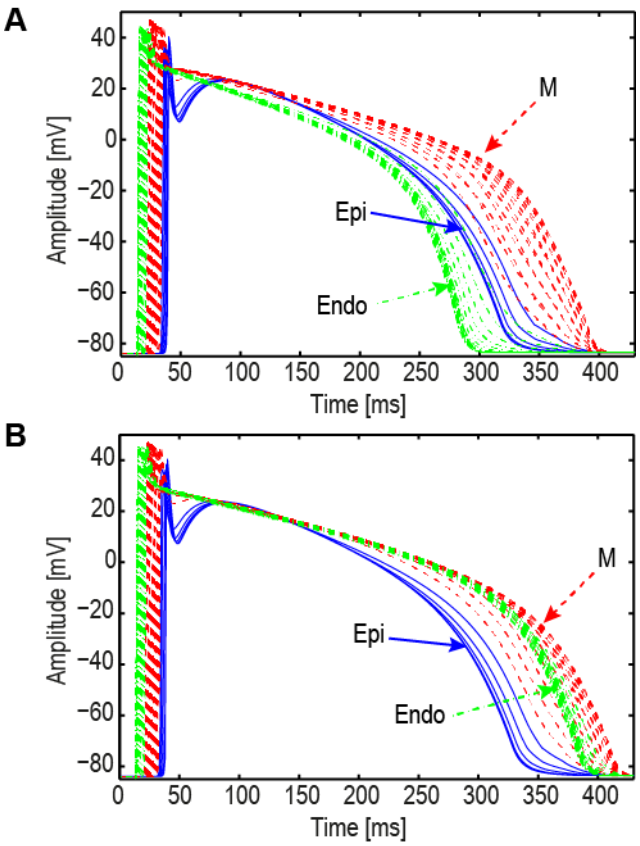

Fig S3: (A) Simulated transmural APs without APD correction where endocardial cells show the shortest APD. In normal left ventricular tissue, however, epicardial cells generate the shortest APDs followed by the endocardial cells and the M cells. (B) Simulated transmural APs with APD correction to maintain the physiological APD sequence (epi-endo-M). Intracellular electrically-coupled cells tend to average distinct myocardial action potentials. This averaging effect is obvious between the different cell types with and without APD correction.