The data provided here is part of the supplemental material of the study ***"In silico systematic evaluation of the scar effect in conventional and new cardiac resynchronization therapy approaches"*** carried out by Cristóbal R Ruiz, Juan F Gómez, Maria T Mora, Joaquín Osca, M. Izquierdo & Beatriz Trenor.

The data consists of 101 Matlab files (.mat) containing the simulated electrical potential at the torso model surface employed for each simulation performed. For convenience, only the potentials in those locations of the torso model needed to extract the 12 lead ECG are included (see Figure 1). Therefore, each Matlab file contains an array where columns are the electrical potential (V) in each position (first precordial locations from V1 to V6 and then approximate locations of LA, RA y LF) and rows represent time instants (in ms). Additionally, a time vector (time) to easily plot the ECG is available.

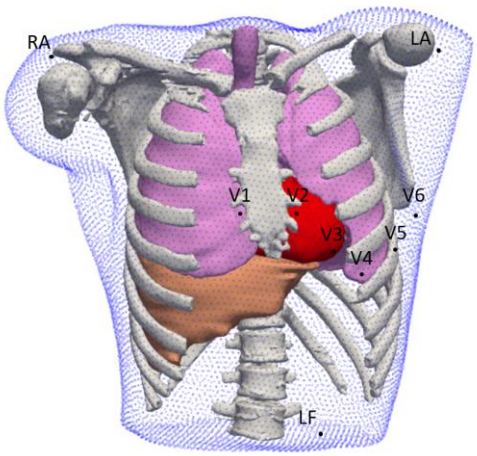

Figure 1. Torso locations used to extract ECG.

Together with the data, a short script to plot the 12 lead ECG is provided (plotECG.m).