**Supplementary figure 1. Study flowchart**



**Supplementary table 1. Spearman’s Correlation Matrix between QTc, QRS, RR and Deformation Parameters**

QTc: Corrected QT; GSendo: global peak longitudinal systolic strain endocardium; GSfull-wall: global peak longitudinal systolic strain full-wall myocardium; GSepi: global peak longitudinal systolic strain epicardium; ESS: end-systolic peak longitudinal strain; PSI: post-systolic index (n° of abnormal segments); PST: pre-stretch index (n° of abnormal segments); G: global, S: systolic, P: positive, MD: mechanical dispersion.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **QTc** | **QRS** | **RR** |
|  | **Rho** | **p-value** | **Rho** | **p-value** | **Rho** | **p-value** |
| **GSendo %** | -0.134 | <0.0001 | .153 | <0.0001 | -0.087 | 0.003 |
| **GSfull-wall %** | -0.133 | <0.0001 | 0.154 | <0.0001 | -0.079 | 0.008 |
| **GSepi %** | -0.126 | <0.0001 | 0.147 | <0.0001 | -0.068 | 0.023 |
| **PSI** | 0.083 | 0.005 | 0.035 | 0.239 | 0.003 | 0.915 |
| **PST** | 0.062 | 0.035 | -0.003 | 0.919 | -0.062 | 0.037 |
| **Time peak G** | 0.290 | <0.0001 | -0.038 | 0.198 | 0.346 | <0.0001 |
| **Time peak S** | 0.273 | <0.0001 | -0.042\* | 0.161 | 0.334 | <0.0001 |
| **MD peak G** | 0.120 | <0.0001 | 0.012 | 0.675 | 0.149 | <0.0001 |
| **MD peak S** | 0.075 | 0.012 | -0.034 | 0.249 | 0.078 | 0.009 |