**Supplementary Table 1.** DerSimonian-Laird Meta-Analysis

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Study name** | **Statistics for each study** | | | | |
| **Hazard ratio** | **Lower limit** | **Upper limit** | **Z-value** | **p-value** |
|  | Ray\* FGA 2009 | 1.990 | 1.686 | 2.349 | 8.141 | 0.000 |
|  | Ray\* SGA 2009 | 2.260 | 1.879 | 2.718 | 8.653 | 0.000 |
|  | Rossom 2010 | 1.674 | 1.062 | 2.638 | 2.221 | 0.026 |
|  | Musicco FGA 2011 | 3.700 | 2.642 | 5.182 | 7.612 | 0.000 |
|  | Musicco SGA 2011 | 2.500 | 2.033 | 3.074 | 8.685 | 0.000 |
|  | Gisev 2012 | 2.070 | 1.732 | 2.473 | 8.009 | 0.000 |
|  | Gardette 2012 | 1.930 | 1.148 | 3.245 | 2.480 | 0.013 |
|  | Jones\* FGA 2013 | 2.340 | 2.281 | 2.401 | 64.970 | 0.000 |
|  | Jones\* SGA 2013 | 1.760 | 1.711 | 1.811 | 38.991 | 0.000 |
|  | Langballe 2014 | 2.052 | 1.693 | 2.487 | 7.334 | 0.000 |
|  | Piersanti SGA 2014 | 2.354 | 1.697 | 3.265 | 5.128 | 0.000 |
|  | Jennum FGA 2015 | 1.292 | 1.220 | 1.368 | 8.757 | 0.000 |
|  | Jennum SGA 2015 | 1.442 | 1.401 | 1.485 | 24.624 | 0.000 |
|  | Maust 2015 | 1.688 | 1.367 | 2.085 | 4.859 | 0.000 |
|  | Arai 2016 | 1.675 | 0.900 | 3.118 | 1.627 | 0.104 |
|  | Connors 2016 | 1.610 | 1.287 | 2.015 | 4.163 | 0.000 |
|  | Nielsen 2017 | 2.310 | 2.142 | 2.492 | 21.685 | 0.000 |
|  | Koponen 2017 | 1.610 | 1.527 | 1.697 | 17.718 | 0.000 |
|  | Martin-Arias\* 2017 | 2.030 | 1.764 | 2.336 | 9.893 | 0.000 |
|  | Chiesa 2017 | 1.570 | 0.945 | 2.608 | 1.742 | 0.081 |
| **Fixed** |  | **1.817** | **1.792** | **1.843** | **83.213** | **0.000** |
| **Random** |  | **1.934** | **1.723** | **2.171** | **11.181** | **0.000** |