

Additional file 3: Table S2 Quantification of coronary microvascular dysfunction in CMR studies.

| Study | Outcome measure | CMR imaging protocol | Patient group n = | Mean (\pm SD) | Control group n = | Mean (\pm SD) |
|---------------------------------|-------------------------|-------------------------|-------------------|-----------------------------------|-------------------|-----------------------------------|
| Mean \pm SD | | | | | | |
| Panting (2002) | MPRI | 1.5T, adenosine | 20 | 1.47 \pm 0.36 | 10 | 1.50 \pm 0.47 |
| Wöhrle (2006) | MPRI | 1.5T, adenosine | 12 | 1.48 \pm 0.71 | N/A | N/A |
| Pärkkä (2006) | MPR | 1.5T, dipyridamole | N/A | N/A | 18 | 2.51 \pm 0.95 |
| Vermeltfoort (2007) | MPRI | 1.5T, adenosine | 20 | 1.83 \pm 0.50 | N/A | N/A |
| Karamitsos (2012) | CFR (corrected for RPP) | 3.0T, adenosine | 18 | 2.63 \pm 0.12 | 14 | 2.53 \pm 0.13 |
| Nelson (2014) | MPRI | 1.5T, adenosine | N/A | N/A | 15 | 2.20 \pm 0.53 |
| Thomson (2015) | MPRI | 1.5T, adenosine | 118 | 1.71 \pm 0.43 | 21 | 2.23 \pm 0.37 |
| Bairey Merz (2016) | MPRI | 1.5T, adenosine | 128 | 1.60 \pm 0.30 | N/A | N/A |
| Bakir (2016) | MPRI | 1.5T, adenosine | N/A | N/A | 20 | 2.19 \pm 0.38 |
| Liu (2018) [15] | MPRI | 1.5T or 3.0T, adenosine | 22 | 1.60 \pm 0.50 | 20 | 2.00 \pm 0.30 |
| Liu (2018) [29] | MPRI (MPR) | 1.5T, adenosine | 13 | 1.30 \pm 0.50 (1.50 \pm 0.60) | 20 | 2.00 \pm 0.30 (2.80 \pm 0.50) |
| | | 3.0T, adenosine | 11 | 1.20 \pm 0.20 (1.80 \pm 0.70) | 10 | 2.00 \pm 0.30 (2.80 \pm 0.40) |
| Rahman (2019) | MPR | 3.0T, adenosine | 38 | 2.01 \pm 0.41 | 27 | 2.68 \pm 0.49 |
| Median (IQR) | | | | | | |
| Jaarsma (2017) | MPR | 3.0T, adenosine | 12 | 1.35 (1.09-1.78) | N/A | N/A |
| Median (range) | | | | | | |
| Mehta (2011) | MPRI | 1.5T, adenosine | 20 | 1.40 (1.20 – 1.90) | N/A | N/A |

| | | | | | | |
|------------------|-----|----------------------|----|--------------------|----|----------------------|
| Zorach (2018) | MPR | 1.5T, regadenoson | 46 | 2.21 (1.95 – 2.69) | 20 | 2.93 (2.76- 3.19) |
|------------------|-----|----------------------|----|--------------------|----|----------------------|

Abbreviations: CFR = coronary flow reserve, IQR = interquartile range, MPR = myocardial perfusion reserve, MPRI = myocardial perfusion reserve index, N/A = not available, SD = standard deviation, T = Tesla.