**Supplemental Digital Content Table 1. Left ventricular volumes (absolute values) and left ventricular mechanics during an isolated afterload challenge, mediated by a sustained isometric forearm contraction at 30% maximal voluntary contraction, in non-pregnant, pregnant (22-26 weeks gestation) and postpartum (12-14 weeks after delivery) women.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Non-pregnant | Pregnant | Postpartum | *P* | ηp2 |
| *n* | 18 | 14 | 13 |  |  |
| Cardiac output (L·min-1) | 3.4 (0.7) | 4.9 (1.0) | 3.6 (0.6) | 0.425 | 0.044 |
| Stroke volume (ml) | 58 (9) | 71 (12) | 65 (14) | 0.214 | 0.078 |
| End-diastolic volume (ml) | 103 (15) | 116 (16) | 101 (11) | 0.834 | 0.009 |
| End-systolic volume (ml) | 44 (10) | 45 (9) | 36 (7) | 0.221 | 0.076 |
| *Global longitudinal strain* |  |  |  |  |  |
| *n* | 15 | 11 | 10 |  |  |
| Systolic SR (%) | -0.8 (0.2) | -1.1 (0.2) | -1.0 (0.1) | **<0.001** | 0.483 |
| Diastolic SR (%) | 1.2 (0.1) | 1.5 (0.1) \* | 1.2 (0.1) | **0.026** | 0.285 |
| *Basal circumferential strain* |  |  |  |  |  |
| *n* | 17 | 14 | 13 |  |  |
| Systolic SR (%) | -0.8 (0.2) | -1.4 (0.3) | -1.2 (0.3) | **<0.001** | 0.790 |
| Diastolic SR (%) | 1.5 (0.1) | 1.8 (0.1) \*\* | 1.3 (0.2) | **0.005** | 0.311 |
| *Apical circumferential strain* |  |  |  |  |  |
| *n* | 15 | 14 | 13 |  |  |
| Systolic SR (%) | -1.1 (0.2) | -1.4 (0.3) \* | -1.4 (0.2) | **0.010** | 0.257 |
| Diastolic SR (%) | 1.9 (0.7) | 2.2 (0.8) | 1.9 (0.6) | **0.004** | 0.298 |

Data as mean (SD).

Statistical values (*P* and partial eta squared [ηp2]) were determined using Analysis of Covariance (resting value and age as covariate).

\* indicates *P*<0.05 *vs.* non-pregnant women; \*\* indicates *P*<0.05 *vs.* postpartum women.