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**Table 1.** Effect of ANG II infusion on biomechanical properties of parenchymal arterioles

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Male | | *P* Value | Female | | *P* Value | Female | *P* Value |
|  | Sham | ANG II |  | Sham | 800 ng/kg/min ANG II |  | 1,200 ng/kg/min ANG II |  |
| Wall stress, dyn/cm2 | 229.6 ± 21.4 | 274.2 ± 24.1 | 0.20 | 260.6 ± 12.9 | 267.4 ± 30.2 | >0.99 | 273.0 ± 16.9 | >0.99 |
| Wall strain | 0.195 ± 0.02 | 0.174 ± 0.02 | 0.47 | 0.202 ± 0.01 | 0.210 ± 0.02 | >0.99 | 0.178 ± 0.02 | 0.50 |
| Distensibility | 19.5 ± 1.5 | 17.4 ± 2.2 | 0.47 | 20.21 ± 1.2 | 21.0 ± 1.7 | >0.99 | 17.8 ± 1.5 | 0.50 |
| β-Coefficient | 12.2 ± 0.9 | 13.8 ± 1.1 | 0.31 | 13.0 ± 0.75 | 11.9 ± 0.88 | 0.49 | 12.6 ± 0.50 | 0.92 |

Values are means ± SE; n = 7–9. ANG II, angiotensin II. Comparisons made vs. same-sex sham controls at 40 mmHg by two-tailed Student’s *t* test (males) or one-way ANOVA with Bonferroni post hoc correction (females).