



Additional file 3. Augmented pulsation is also observed in the relative pulsatility index

a. Relative vascular pulsation along with the cerebrovascular tree. Note that the increased relative pulsatility index is remarkable in surface and penetrating arteries of old Tg mice. [Surface arteries (SA), $p = 0.0192$ (genotype*age interaction), $p = 0.0232$ (genotype); Penetrating arteries (PA), $p = 0.0003$ (genotype*age interaction), $p = 0.0002$ (age), $p < 0.0001$ (genotype); Surface vein (SV), $p < 0.0001$ (genotype), two-way ANOVA], (mid Wt =6, mid Tg =6, old Wt =6, old Tg =7). **b.** Comparison of heart rate. ($p < 0.0064$ (age), two-way ANOVA), ($n = 8$, each group). All data are presented as the mean \pm SEM. ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$. Two-way ANOVA with Bonferroni's post hoc test.