

# Mechanical Response Changes in Porcine Tricuspid Valve Anterior Leaflet Under Osmotic-Induced Swelling

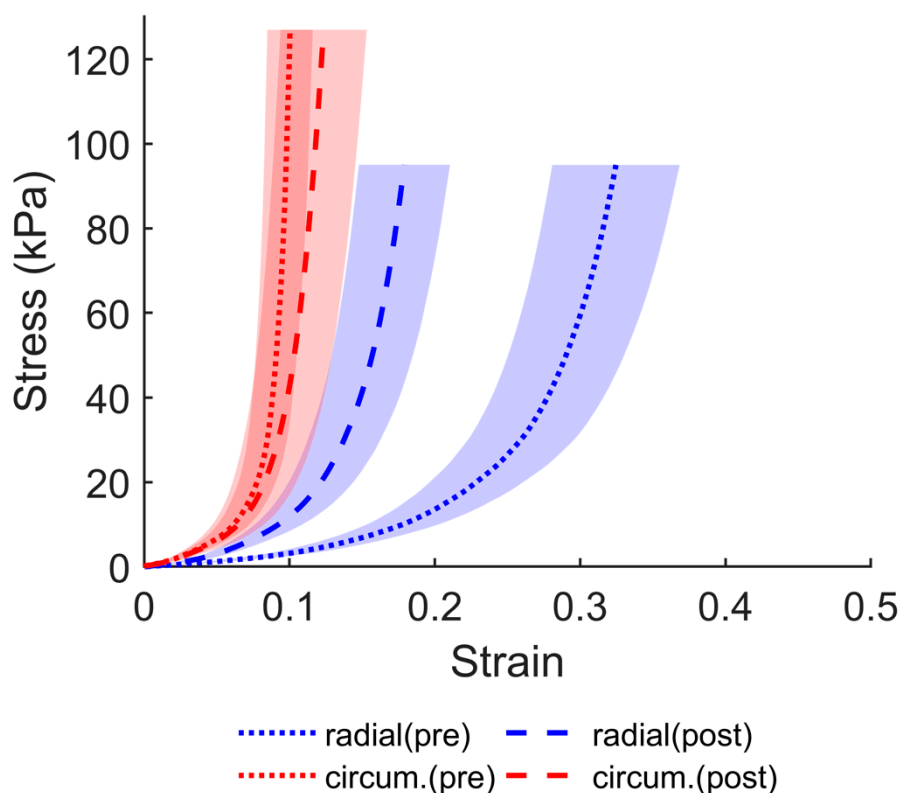
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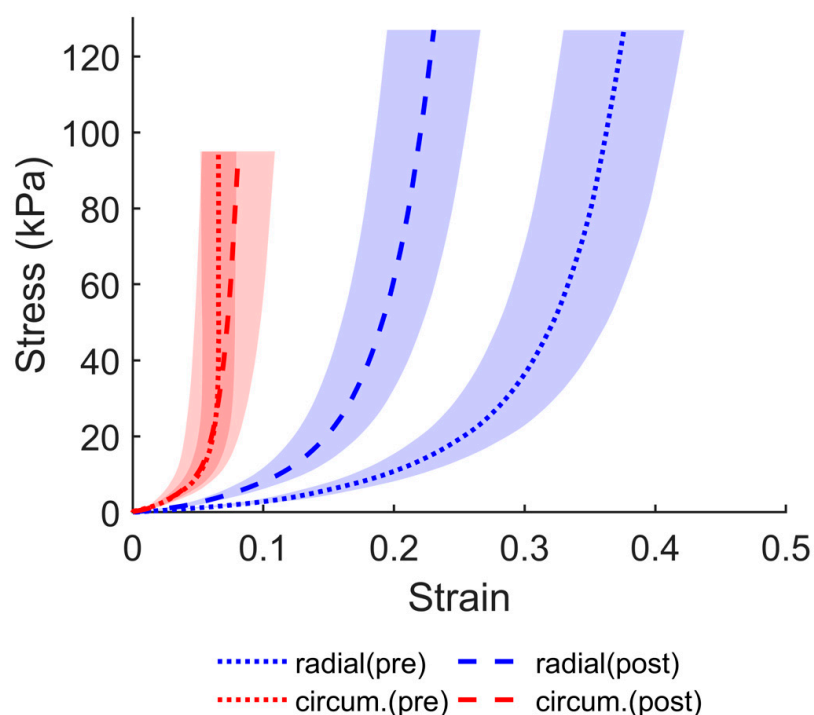
## Supplementary materials

Figure S1: Protocol 2 for DI water group



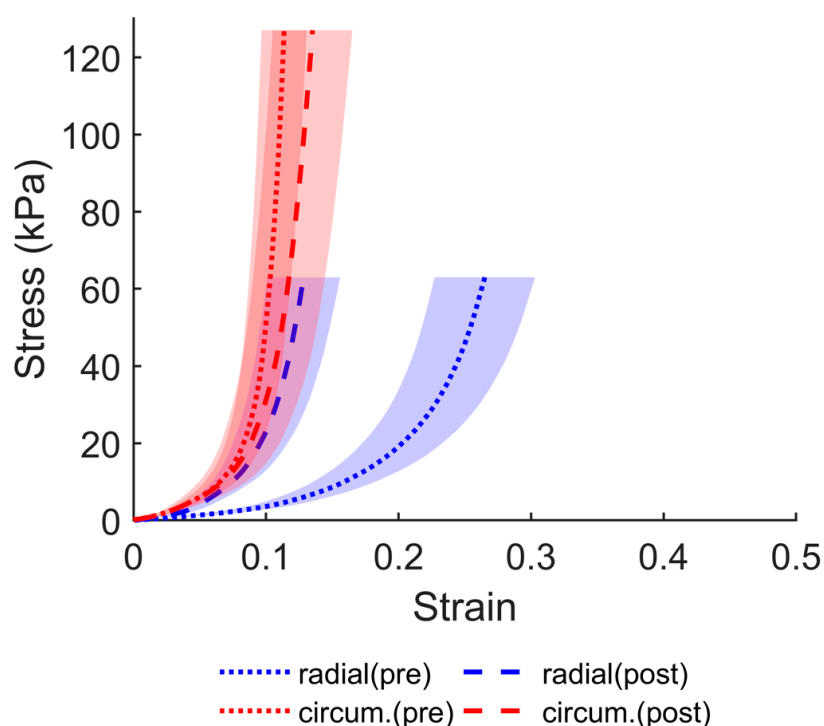
**Figure S1.** Average response of the anterior leaflet in the experiments with the maximum stress value of 95.25 kPa and 127 kPa in the radial and circumferential (circum.) directions, respectively (i.e., Protocol 2 in Table 1) for the DI water group. Shaded regions represent standard error.

Figure S2: Protocol 3 for DI water group



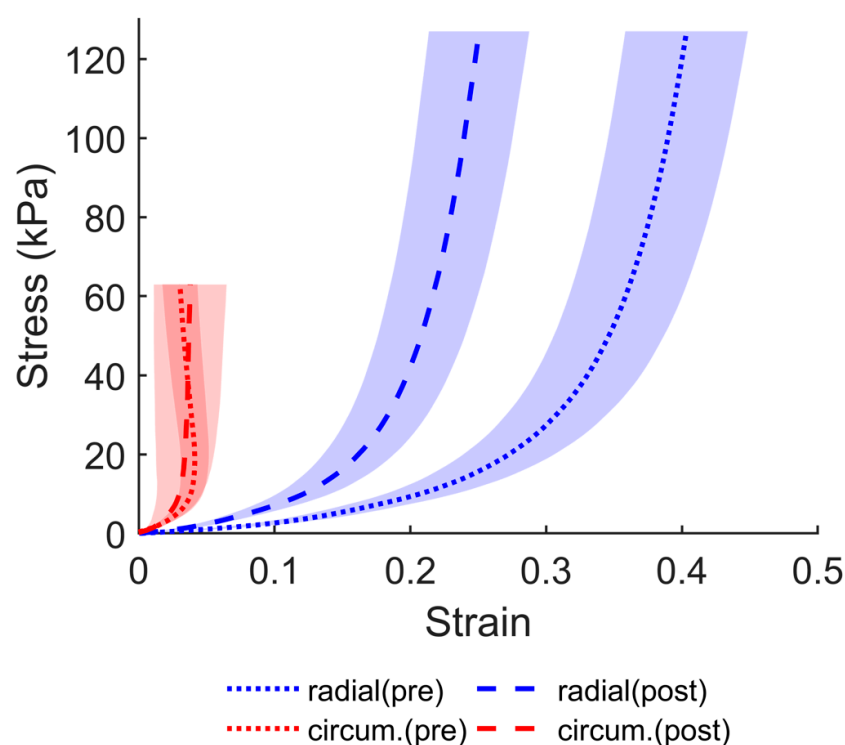
**Figure S2.** Average response of the anterior leaflet in the experiments with the maximum stress value of 127 kPa and 95.25 kPa in the radial and circumferential (circum.) directions, respectively (i.e., Protocol 3 in Table 1) for the DI water group. Shaded regions represent standard error.

Figure S3: Protocol 4 for DI water group



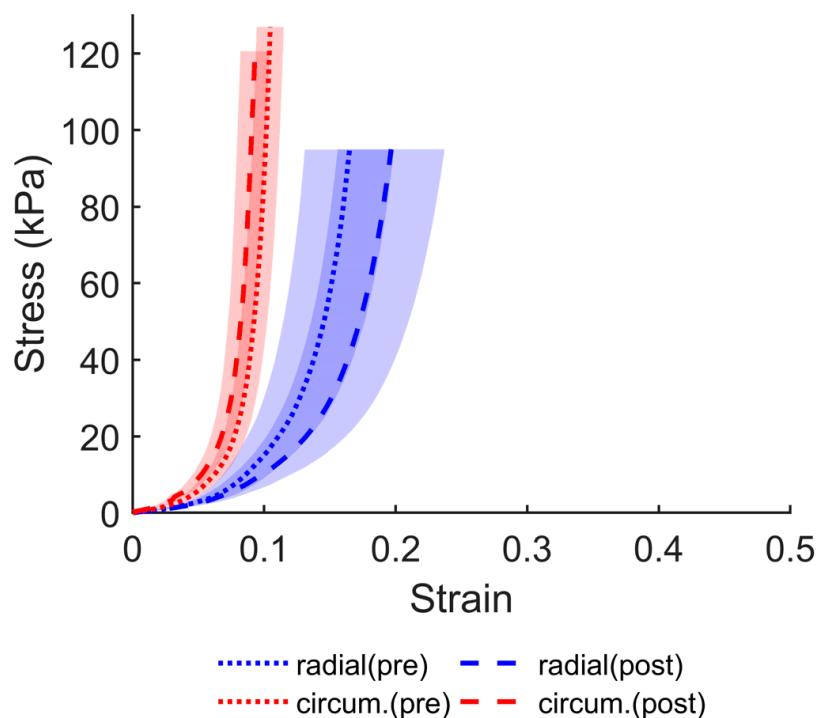
**Figure S3.** Average response of the anterior leaflet in the experiments with the maximum stress value of 63.5 kPa and 127 kPa in the radial and circumferential (circum.) directions, respectively (i.e., Protocol 4 in Table 1) for the DI water group. Shaded regions represent standard error.

Figure S4: Protocol 5 for DI water group



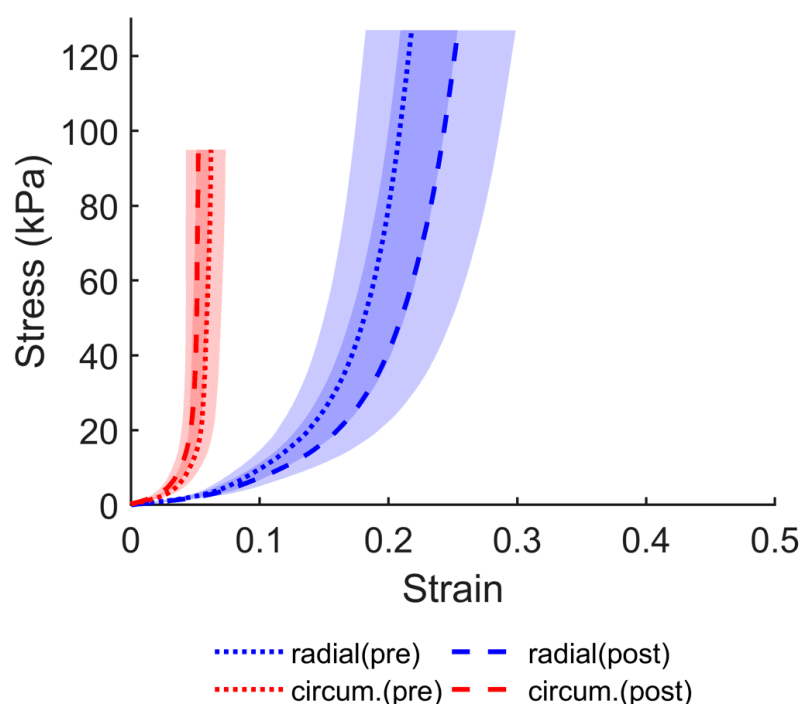
**Figure S4.** Average response of the anterior leaflet in the experiments with the maximum stress value of 127 kPa and 63.5 kPa in the radial and circumferential (circum.) directions, respectively (i.e., Protocol 5 in Table 1) for the DI water group. Shaded regions represent standard error.

Figure S5: Protocol 2 for control group



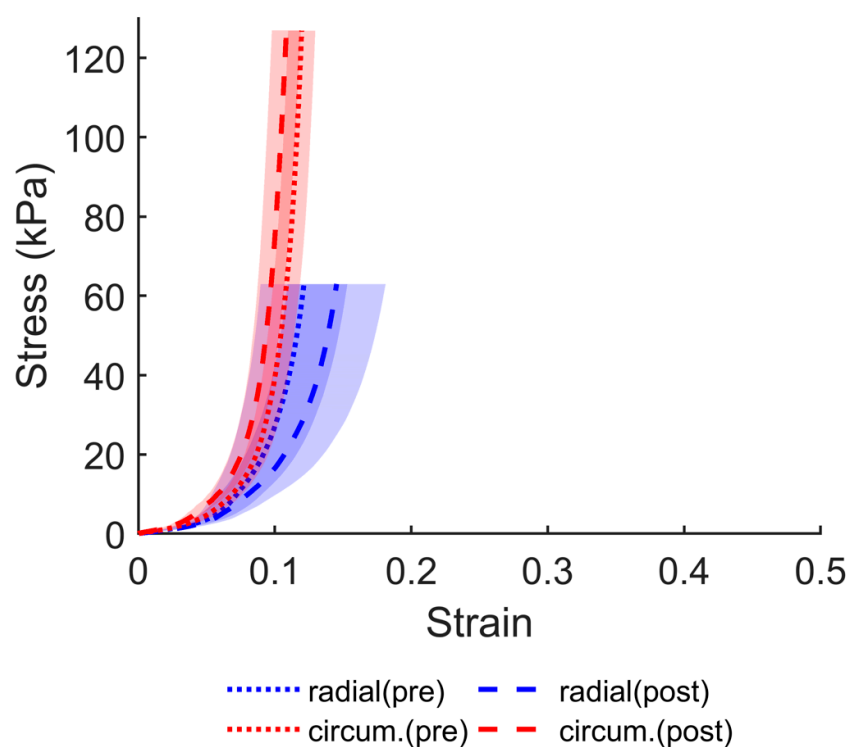
**Figure S5.** Average response of the anterior leaflet in the experiments with the maximum stress value of 95.25 kPa and 127 kPa in the radial and circumferential (circum.) directions, respectively (i.e., Protocol 2 in Table 1) for the control group. Shaded regions represent standard error.

Figure S6: Protocol 3 for control group



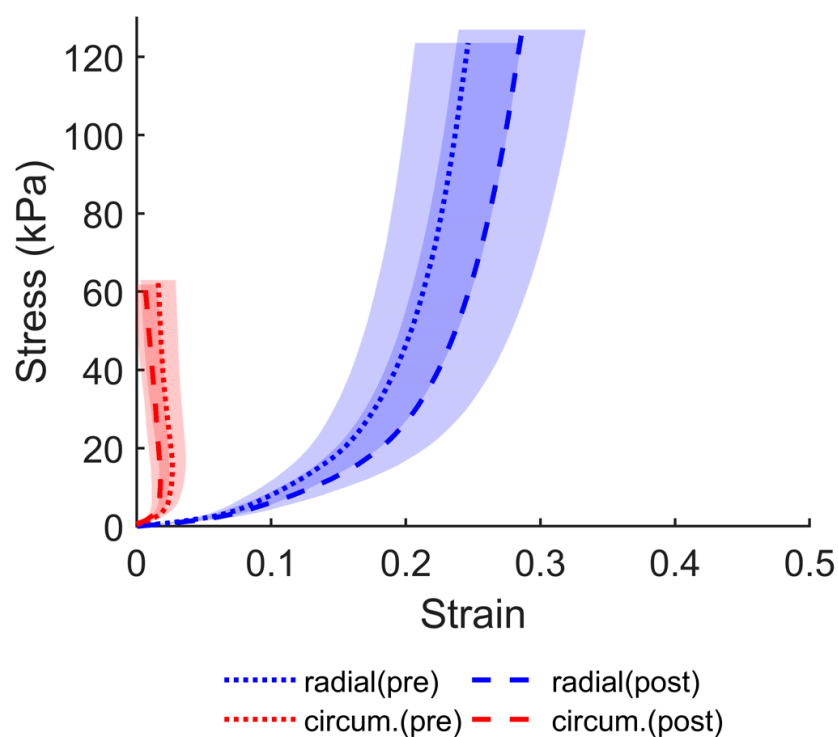
**Figure S6.** Average response of the anterior leaflet in the experiments with the maximum stress value of 127 kPa and 95.25 kPa in the radial and circumferential (circum.) directions, respectively (i.e., Protocol 3 in Table 1) for the control group. Shaded regions represent standard error.

Figure S7: Protocol 4 for control group



**Figure S7.** Average response of the anterior leaflet in the experiments with the maximum stress value of 63.5 kPa and 127 kPa in the radial and circumferential (circum.) directions, respectively (i.e., Protocol 4 in Table 1) for the control group. Shaded regions represent standard error.

Figure S8: Protocol 5 for control group



**Figure S8.** Average response of the anterior leaflet in the experiments with the maximum stress value of 127 kPa and 63.5 kPa in the radial and circumferential (circum.) directions, respectively (i.e., Protocol 5 in Table 1) for the control group. Shaded regions represent standard error.