

## Supplementary Materials

# Three-Dimensional Kidney-on-a-Chip Assessment of Contrast-induced Kidney Injury: Osmolality and Viscosity

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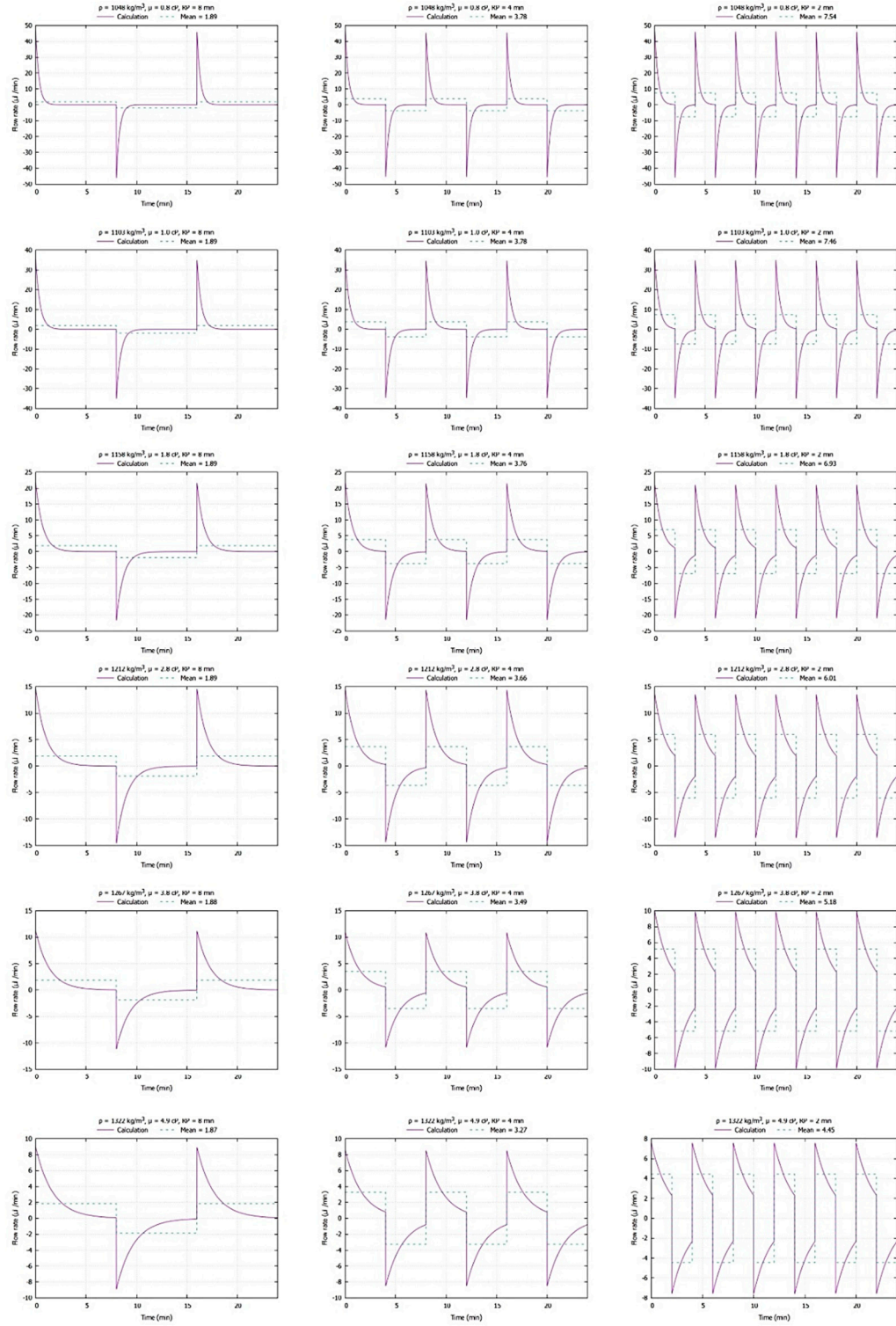


Figure S1. Mathematical simulation of bidirectional flows in iopromide groups.

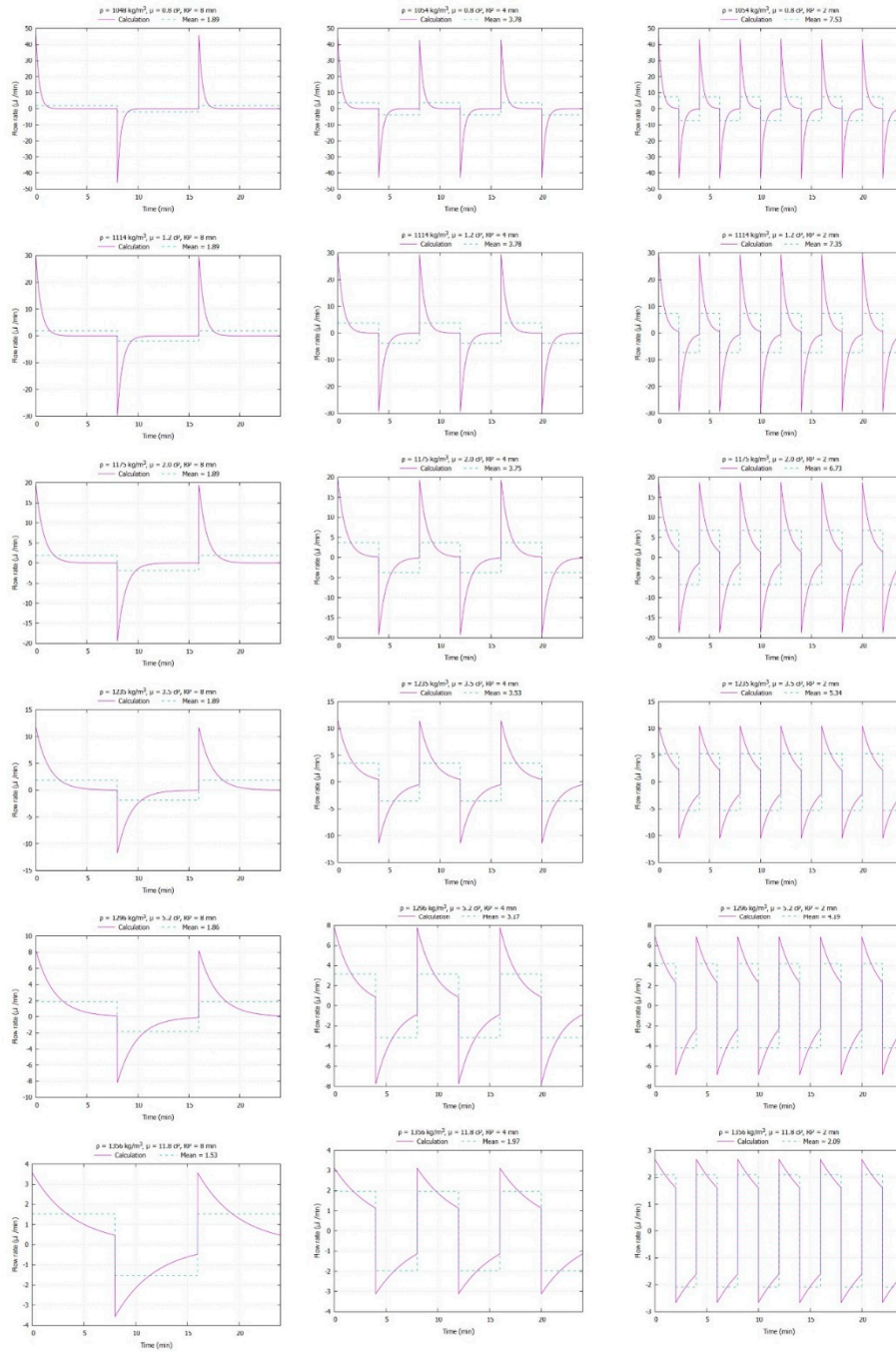


Figure S2. Mathematical simulation of bidirectional flows in iodixanol groups.