

Biophysical Journal, Volume 110

Supplemental Information

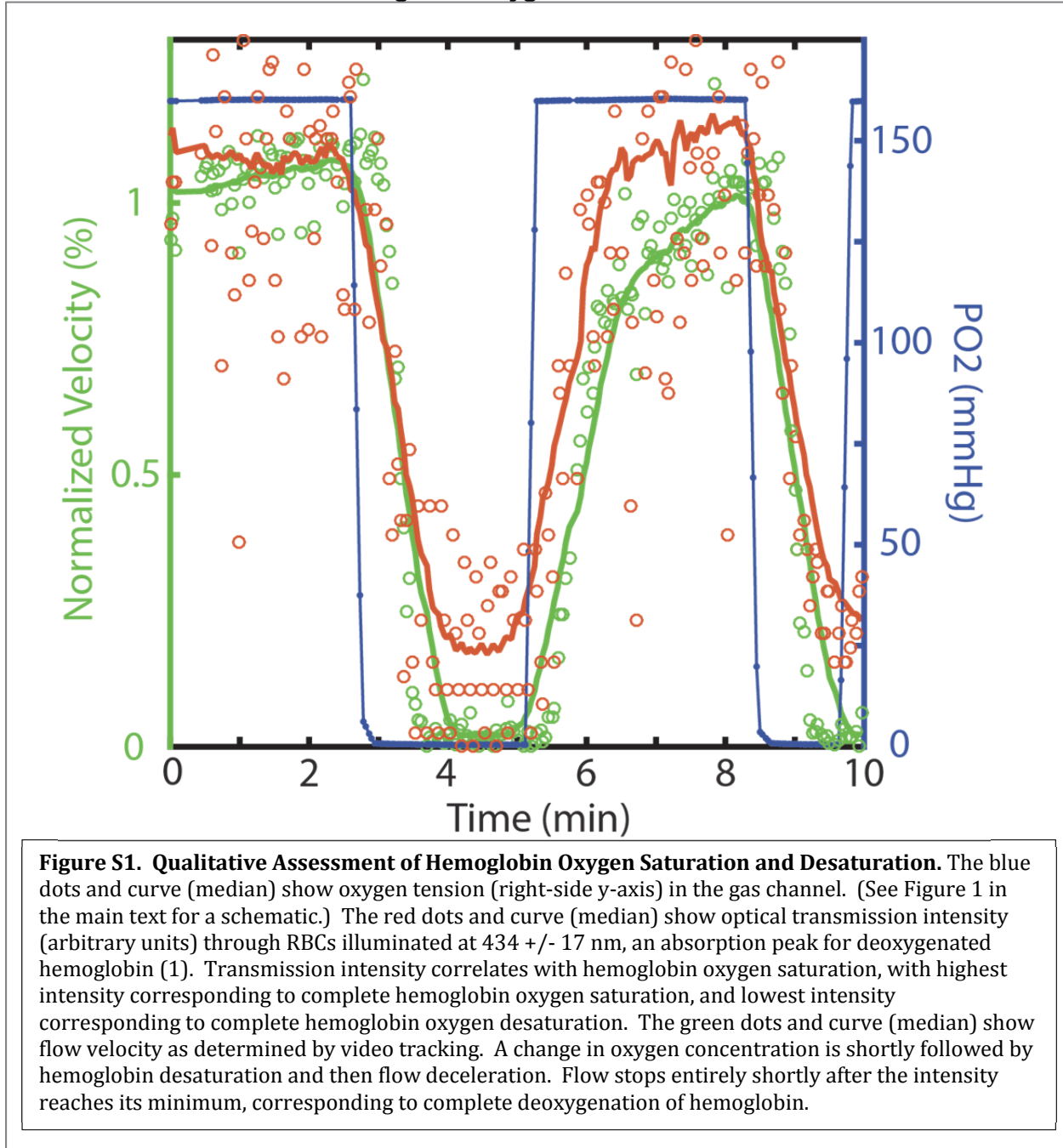
**Deoxygenation Reduces Sickle Cell Blood Flow at Arterial Oxygen
Tension**

Xinran Lu, David K. Wood, and John M. Higgins

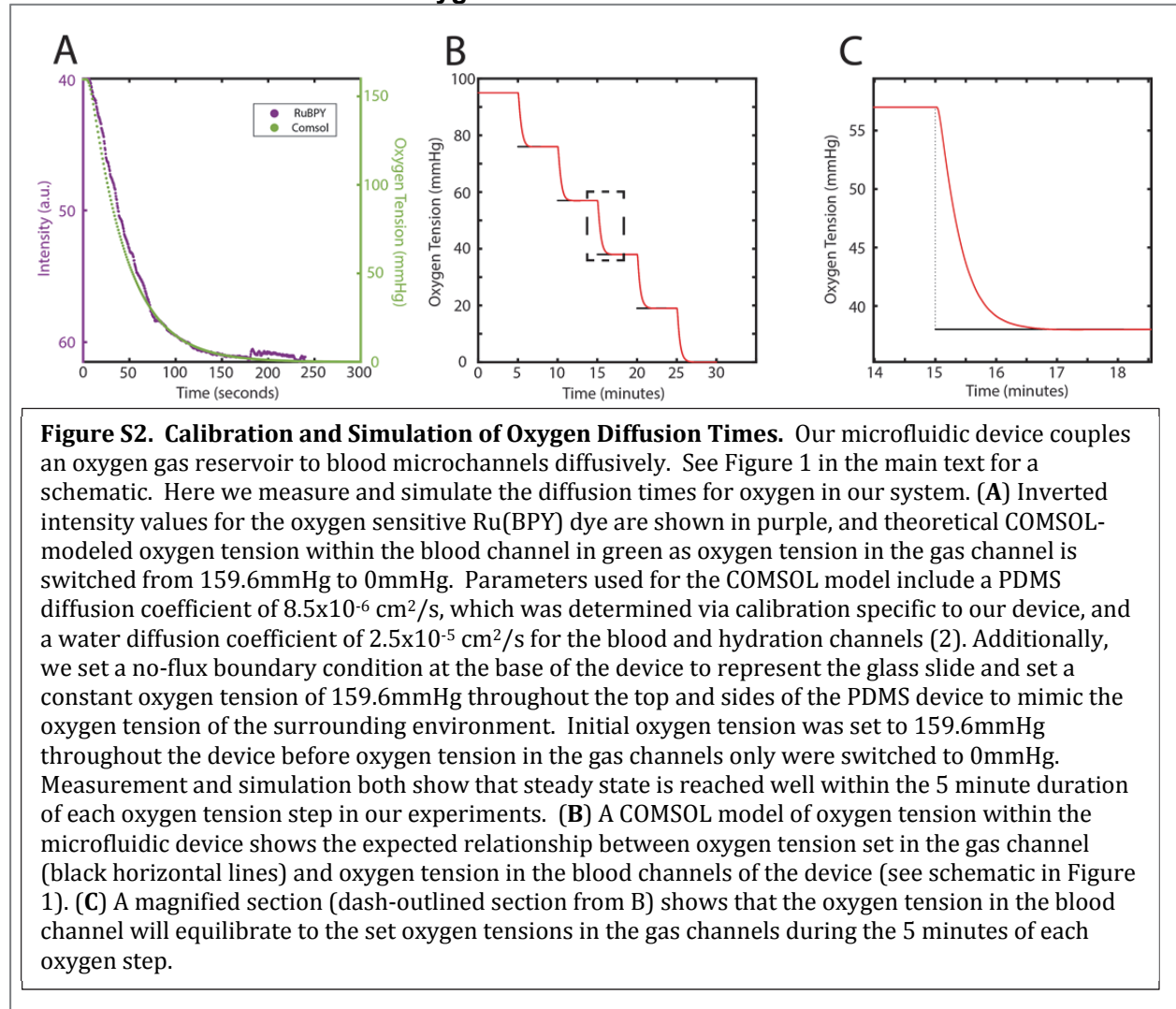
Supplementary Information for

Deoxygenation Reduces Sickle Cell Blood Flow at Arterial Oxygen Tension

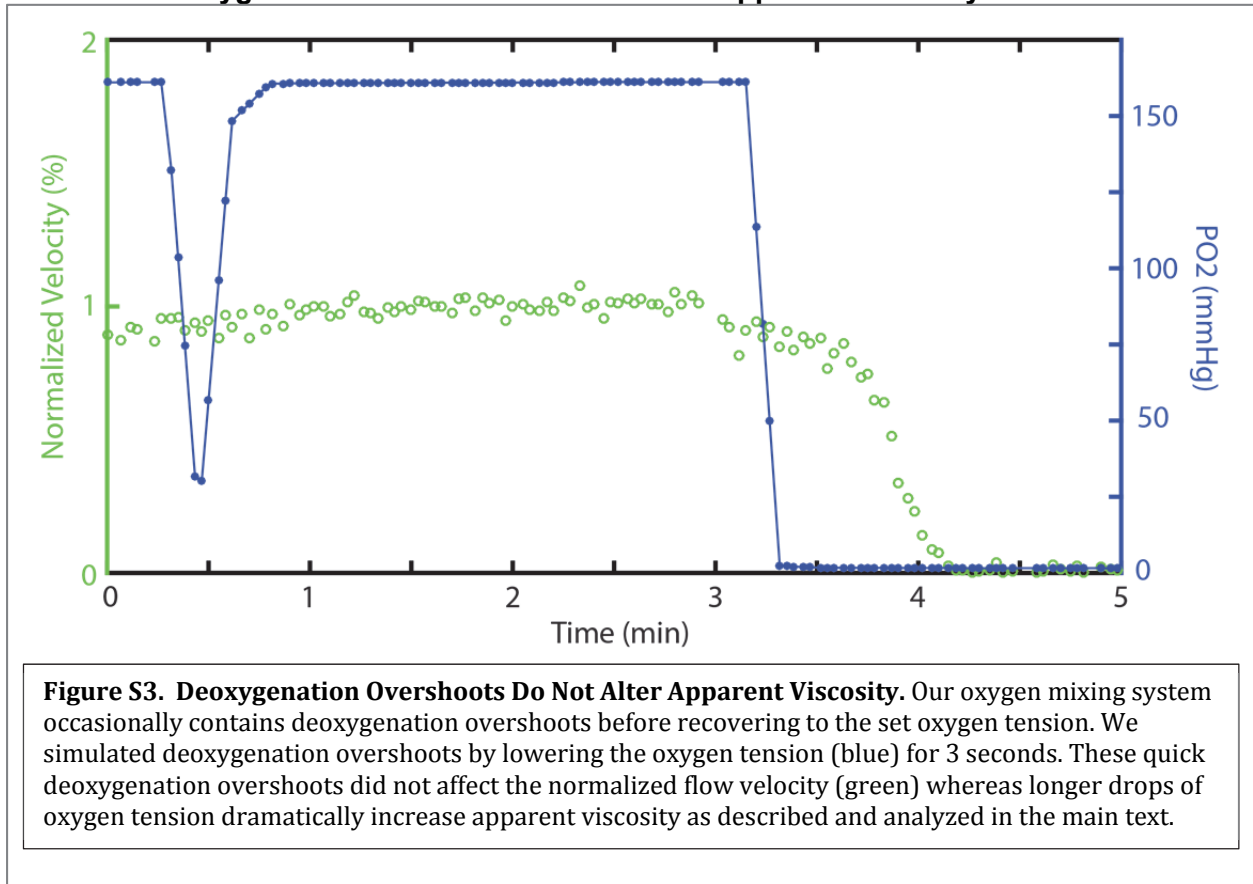
Qualitative Assessment of Hemoglobin Oxygen Saturation and Desaturation



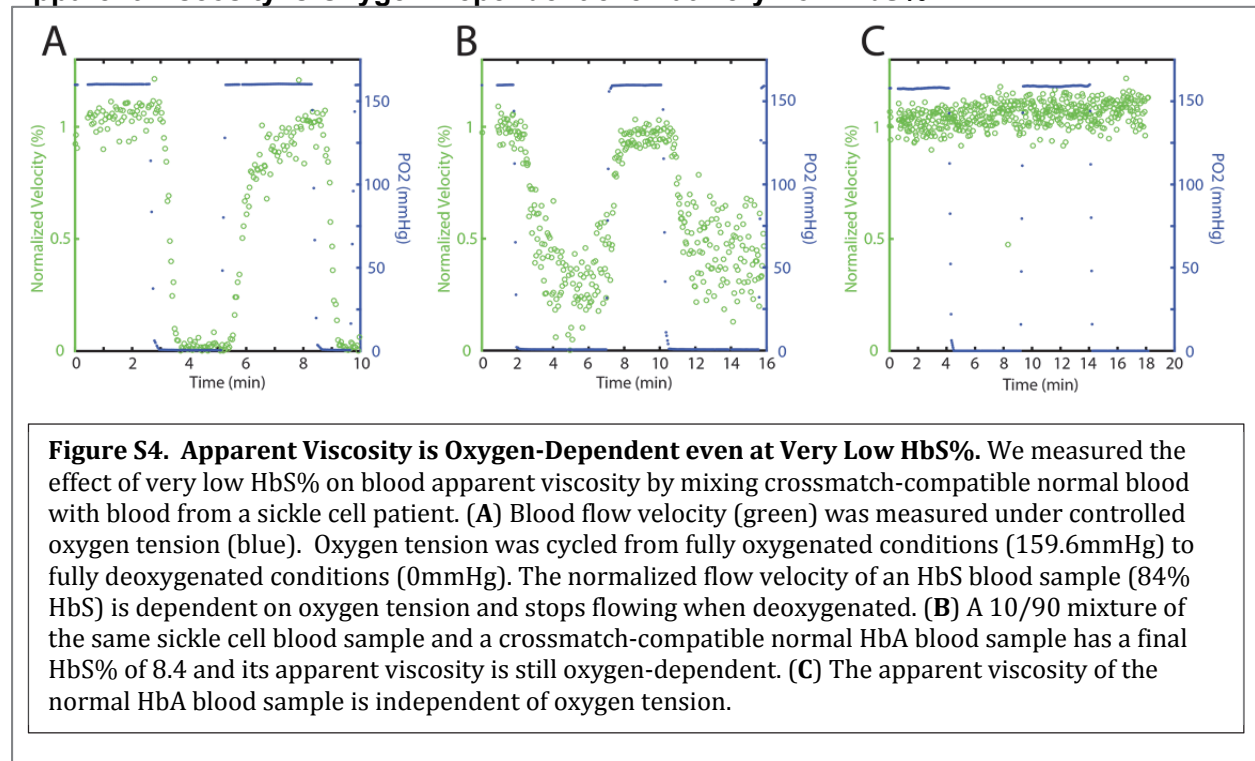
Calibration and Simulation of Oxygen Diffusion Times



Transient Deoxygenation Overshoots Do Not Alter Apparent Viscosity



Apparent Viscosity is Oxygen-Dependent even at Very Low HbS%



References

1. Zhujun, Z., and W. R. Seitz. 1986. Optical sensor for oxygen based on immobilized hemoglobin. *Anal. Chem.* 58:220-222.
2. Han, P., and D. M. Bartels. 1996. Temperature dependence of oxygen diffusion in H₂O and D₂O. *J. Phys. Chem.* 100:5597-5602.