

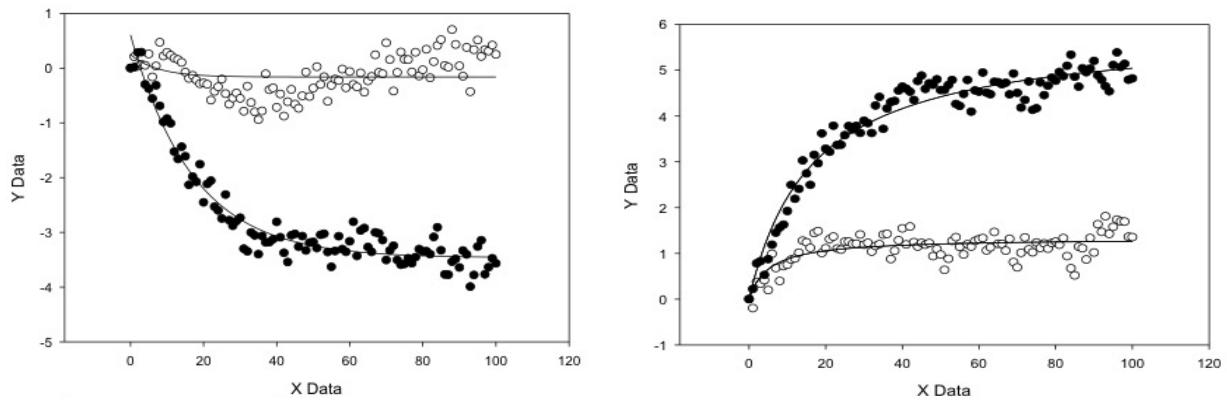
Supplemental Material

Online Table I

Parameter	EX+PL	EX+BR
Oxy a	1.33 ± 0.047	$5.87 \pm 0.099^*$
Oxy b	5.18 ± 1.310	$16.40 \pm 1.053^*$
Deoxy Y_0	-0.16 ± 0.044	$-3.5 \pm 0.412^*$
Deoxy a	0.41 ± 0.231	$4.07 \pm 0.111^*$
Deoxy b	0.13 ± 0.125	0.06 ± 0.003

Parameter outputs from the change in non-linear regression of Oxy and Deoxy hemoglobin content from the pre and post treatment NIRS spectra.

Online Figure I



Near infra-red spectra for changes over time in deoxy (left) and oxy (right) haemoglobin curves fitted to the regression equations $f = Y_0 + a \cdot e^{(b \cdot x)}$ and $f = a \cdot x / (b + x)$ respectively. EX+PL (clear bars/circles) or EX+BR (black bars/circles).