

Supplementary Tables

Supplementary table S1. Subgroup analysis of ECG measurements after each course of DHA/PQP by sex and age.

Time	Measurement	Sex			Age		
		Male	Female	p-value	<15 years	Adult	p-value
52h course1	QTcF (ms)	406.9±19.4	427.1±23.1	<0.001	416.4±21.1	416.9± 23.9	0.961
	ΔQTcF (ms)	13.5±12.2	25.8±20.5	0.003	21.4±22.1	19.4±17.4	0.772
52h course2	QTcF (ms)	416.2±21.1	425.8±17.7	0.047	414.3±15.4	421.8±20.3	0.351
	ΔQTcF (ms)	22.7±15.9	24.5±14.9	0.627	19.3±17.8	24.1±15.1	0.433
52h course3	QTcF (ms)	407.5±22.9	421.3±22.5	0.014	408.3±18.3	415.0±24.2	0.481
	ΔQTcF (ms)	14.3±15.5	20.1±18.4	0.158	13.3±21.3	17.6±16.7	0.534

Legend: Results of paired t-test between different subgroups of sex and age per each point of time. Results are mean ± Standard Deviation (SD).

P-value corresponds to the results of the paired T-test. Abbreviations: ms= milliseconds; bpm= beats per minute. Statistically significant results are reflected in bold.

Supplementary table S2. Comparison of QTcF segment and Δ QTcF 7-days after treatment completion

ECG parameter (units)	7d course1	7d course2		7d course3	
	measurement	Measurement	p-value	Measurement	p-value
QTcF (ms)	405.7±20.9	407.7± 22.7	0.09	407.7±22.4	0.37
ΔQTcF (ms)	8.0±15.7	11.1±16.2	0.09	11.2±17.0	0.37

Legend: Results of measurements and p-values for the paired t-test for comparison with course 1 measurements.

Measurements are described in mean \pm Standard Deviation (SD). Abbreviations: ms= milliseconds.

Supplementary table S3. Electrocardiographic measurements (QTcF and ΔQTcF not included) at 52 hours post dose during the second and third monthly course with dihydroartemisinin-piperaquine compared with the first month.

ECG								
parameter (units)	0h _{course1}	52h _{course1}	52h _{course2}	p-value	Risk difference (95% CI)	52h _{course3}	p-value	Risk difference (95% CI)
HR (bpm)	68.4±12.4	66.1±12.8	65.6±11.8	0.685	-0.5 (-3.0 to 2.0)	68.2±12.5	0.060	2.1 (-0.1 to 4.4)
ΔHR (bpm)	-	-2.0±9.8	-2.6±9.5	0.689	-0.5 (-2.9 to 1.9)	0.2±10.2	0.047	2.2 (0.0 to 4.4)
PR (ms)	166.9±18.7	171.8±17.8	171.8±18.2	0.986	0.0 (-1.7 to 1.6)	172.3±20.2	0.714	0.5 (-2.1 to 3.1)
ΔPR (ms)	-	4.8±7.8	4.8±8.4	0.987	0.0 (-1.7 to 1.7)	5.6±11.5	0.536	0.8 (-1.8 to 3.4)
QRS (ms)	90.9±9.5	89.3±9.0	90.0±8.8	0.176	0.7 (-0.3 to 1.8)	88.9±8.8	0.534	-0.4 (-1.6 to 0.9)
ΔQRS (ms)	-	-1.2±4.9	-0.5±4.6	0.158	0.7 (-0.3 to 1.7)	-1.8±5.0	0.323	-0.6 (-1.8 to 0.6)

Legend: 52h readings were conducted 4h after administration of the third dose. The parameter measurements are the arithmetic mean of

measurements from the triplicate reading. Results of measurements, p-values and 95% CI for the paired t-test for comparison with measurement

of 52h course1. Measurements are described in mean ± Standard Deviation (SD). Abbreviations: bpm= beats per minute; ms= milliseconds.

Statistically significant results are reflected in bold.

Supplementary Table S4. Electrocardiographic measurements (QTcF and QTCF not included) at 7 days after the start of each course of DHA/PQP and before the start (at 0 hours) of the following monthly course compared with 0h measurements on day0 first course.

ECG parameter (units)	0h _{course1}	7d _{course1}		0h _{course2}		7d _{course2}		0h _{course3}		7d _{course3}	
		measurement	p-value	measurement	p-value	measurement	p-value	measurement	p-value	measurement	p-value
HR (bpm)	68.4±12.4	76.7±14.0	<0.001	70.6±11.4	0.091	74.4±13.6	<0.001	67.5±11.1	0.539	72.1±11.4	0.020
ΔHR (bpm)	-	8.2±13.4	-	2.3±10.8	-	5.6±12.2	-	-0.9±12.3	-	3.2±10.4	-
PR (ms)	166.9±18.7	166.0±17.4	0.309	175.4±19.5	<0.001	167.5±16.8	0.982	173.7±20.7	<0.001	165.1±17.4	0.010
ΔPR (ms)	-	-1.6±10.3	-	8.2±11.7	-	-0.1±10.6	-	6.8±13.6	-	-3.3±9.5	-
QRS (ms)	90.9±9.5	86.5±8.3	<0.001	88.5±8.8	0.003	87.2±8.4	<0.001	87.3±8.7	<0.001	86.3±8.4	<0.001
ΔQRS (ms)	-	-4.8±6.6	-	-2.6±6.6	-	-3.9±6.1	-	-3.65±6.0	-	-3.8±6.3	-

Legend: Results of measurements and p-values for the paired t-test for comparison with baseline 0h_{course1} measurements. Measurements are described in mean ± Standard Deviation (SD). Abbreviations: bpm= beats per minute, ms= milliseconds. Statistically significant results are reflected in bold.