

APPENDIX 8

Study 4: Pharmacokinetics of dihydroartemisinin in 5-day monotherapy regimen in malaria patients
Clinical, laboratory and treatment responses data

No.	Pt. name	Gender	Age	W	H	BMI	IPC	Parasite response	PCT100	PCT95	PCT50	PCT5	Malaria area (y)	No. of episode	No. of days
1	KT	m	29	63	170	21.80	124488	Radical	24	8.7	3.6	2.2	1	1	1
2	HTV	m	34	50.2	160	19.61	31493	RI	18	16.2	5.1	1.97	1	2	1
3	KD	m	24	62	169	21.71	169500	Radical	30	11.9	4.5	2.5	1	4	2
4	KB	m	25	64	178	20.20	23232	Radical	24	14.4	4.5	1.8	1	3	1
5	KS	m	28	55	167	19.72	23856	Radical	30	16.2	5.2	2.1	1	6	3
6	TTL	f	17	46	149	20.72	147932	Radical	42	12.9	1.74	0	1	5	3
7	TVD	m	35	58	168	20.55	6927	Radical	36	17.4	4.9	1.4	1	4	2
8	LTX	f	38	51	156	20.96	23124	Radical	66	43.4	17.3	10.04	1	10	6
9	LTN	m	21	59	169	20.66	17671	RI	24	12.6	4	1.6	1	7	4
10	NNT	m	47	54	165	19.83	39220	Radical	42	17.2	6.2	3.1	1	4	3
Mean			30	56.22	165.1	20.58	60744		33.60	17.09	5.70	2.67		4.60	2.60
Min			17	46	149	19.61	6927		18	8.7	1.74	0		1	1
Max			47	64	178	21.8	169500		66	43.4	17.3	10.04		10	6
SD			8.88	6.01	8.17	0.77	61234		13.91	9.64	4.24	2.71		2.59	1.58
Median			28.5	56.5	167.5	20.6	27674.5		30	15.3	4.7	2.035		4	2.5

No.	Chill	Sweating	Liver	Spleen	T0	T6	T12	T18	T24	T30	T36	T42	T48	T54	T60	T66	T72	T78	T84	T90	T96	T102
1	3	2	0	0	38.2	37.4	38.2	37.6	37.5	37	37.2	36.6	37	37	36.8	37	37	37	37	37	37	37
2	3	2	0	0	40.5	38.2	38.6	38.7	37.2	37	37.8	37	37	37.4	37.1	36.5	37	37.3	37	36.6	37	37
3	3	3	0	0	38.5	38.6	38.6	37.1	37	38.1	37.3	36.6	36.8	36.7	36.5	37	37	37	37	37	37	37
4	2	2	0	1	40.5	39.2	38.6	38.2	37.9	37.5	37.6	37	37	37	37.1	37	37.2	37	36.8	37	37	37
5	2	2	0	0	39.5	39.7	39	38.3	38.2	37.5	37.2	37	37	37	37.1	37	37	37	37	37	37	36.9
6	2	2	0	0	38	39.5	39	39.5	38	38.5	37.2	36.5	37	37.2	37	37	37.2	37	36.8	36.6	37	37
7	3	3	0	0	41.5	39.2	41	38.5	39.2	38	38.3	37.2	37.4	37	37.4	37	37	37.1	37	37	37	37
8	3	3	1	0	39.8	38.7	38.8	38	38	38	38.5	40	39	38.4	38	38.5	38.2	38.8	37.4	38.2	38	37
9	3	3	0	0	39.5	38.5	39.4	39	38	37.8	38	37.9	38	37.5	37.2	37	37	37	37	37	37	37
10	2	1	0	0	39.5	39.5	39.2	39.8	37.7	37.4	37.2	37	37.3	37	36.5	37	37	37	37	37	37	37
Mean				1 case	39.6	38.9	39.0	38.5	37.9	37.7	37.6	37.3	37.4	37.2	37.1	37.1	37.2	37.2	37.0	37.0	37.1	37.0
Min					38	37.4	38.2	37.1	37	37	37.2	36.5	36.8	36.7	36.5	36.5	37	37	36.8	36.6	36.9	37
Max					41.5	39.7	41	39.8	39.2	38.5	38.5	40	39	38.4	38	38.5	38.2	38.8	37.4	38.2	38	37
SD					1.11	0.71	0.77	0.82	0.61	0.49	0.50	1.03	0.67	0.47	0.44	0.52	0.37	0.56	0.16	0.44	0.32	0.00
Median					39.5	39	38.9	38.4	38	37.7	37.5	37	37	37	37.1	37	37	37	37	37	37	37

No.	Td7	Td14	Td21	Td28	FCT	PC0	PC6	PC12	PC18	PC24	PC30	PC36	PC42	PC48	PC54	PC60	PC66	PC72
1	37	37	37	37	30	124488	101587	1071	63	0	0	0	0	0	0	0	0	0
2	37	27	Pf(+)	60	60	31493	23100	3388	1001	308	0	0	0	0	0	0	0	0
3	37	37	37	37	42	169000	172000	8600	625	250	0	0	0	0	0	0	0	0
4	36.8	37	37	37	42	23232	14496	1968	432	0	0	0	0	0	0	0	0	0
5	36.7	37	37	37	42	23856	13356	3297	1260	147	0	0	0	0	0	0	0	0
6	37	37	37	37	42	147932	40913	7191	1151	658	258	94	0	0	0	0	0	0
7	37	37	37	37	66	6927	3622	1102	252	126	31	0	0	0	0	0	0	0
8	37	37	37	37	102	23124	22842	20022	16262	8366	7285	3478	3055	517	235	164	0	0
9	37	37	Pf(+)	66	66	17761	12710	533	246	0	0	0	0	0	0	0	0	0
10	37	37	37	37	54	39220	18442	13482	2014	503	132	26	0	0	0	0	0	0
Mean	37.0	36.0	37.0	37.0	54.6	60703.3	42306.8	6065.4	2330.6	1035.8	770.6	359.8	305.5	51.7	23.5	16.4	0.0	0.0
Min	36.7	27	37	37	30	6927	3622	533	63	0	0	0	0	0	0	0	0	0
Max	37	37	37	37	102	169000	172000	20022	16262	8366	7285	3478	3055	517	235	164	0	0
SD	0.11	3.16	0.00	0.00	20.5	61128.5	53372.7	6405.7	4930.8	2585.0	2290.5	1096.0	966.1	163.5	74.31	51.86	0.00	0.00
Median	37	37	37	37	48	27674.5	20642	3342.5	813	198.5	0	0	0	0	0	0	0	0

No.	PC78	PC84	PC90	PC96	PC d7	PC d14	PC d21	PC d28	Hctd0	Hctd2	Hctd4	Hbd0	Hbd2	Hbd4	RBCd0	RBCd2	RBCd4	WBCd0
1	0	0	0	0	0	0	0	0	38	33	37.8	12.7	11.8	12.9	4.25	3.8	4.2	6.3
2	0	0	0	0	0	0	Pf(+)	42	41	36.8	14.3	13.2	13.2	13	4.76	4.65	4.17	7.7
3	0	0	0	0	0	0	0	40	36	36.7	13.7	12	12	12.9	4.7	4.53	4.53	5
4	0	0	0	0	0	0	0	44	36.4	38.7	13.8	12.5	12.5	13.1	5.41	3.48	4.84	4.8
5	0	0	0	0	0	0	0	41	39	35	13	12.9	11.8	11.8	5.7	5.6	5.1	4.2
6	0	0	0	0	0	0	0	37	29	25.4	10	9.7	8.5	8.5	3.9	3.4	3.02	4.7
7	0	0	0	0	0	0	0	42.6	37.3	36	14.2	12.5	12.5	12.8	4.84	4.34	4.2	6.3
8	0	0	0	0	0	0	0	31	29.8	29.9	10.4	9.5	9.5	9.7	3.84	3.5	3.48	4.7
9	0	0	0	0	0	0	Pf(+)	50	49.5	43.3	15.6	15.7	15.7	14.2	5.7	5.77	5.1	4.1
10	0	0	0	0	0	0	0	50	49	44.5	16	16.1	16.1	14.8	5.2	5.27	4.87	5.3
Mean	0.0	0.0	0.00	0.00	0.00	0.00		41.56	38.00	36.41	13.37	12.59	12.37	12.37	4.83	4.43	4.35	5.31
Min	0	0	0	0	0	0		31	29	25.4	10	9.5	8.5	8.5	3.84	3.4	3.02	4.1
Max	0	0	0	0	0	0		50	49.5	44.5	16	16.1	16.1	14.8	5.7	5.77	5.1	7.7
SD	0.00	0.00	0.00	0.00	0.00	0.00		5.75	7.02	5.64	1.96	2.14	1.93	1.93	0.68	0.89	0.69	1.13
Median	0	0	0	0	0	0	0	41.5	36.85	36.75	13.75	12.5	12.5	12.9	4.8	4.435	4.365	4.9

No.	WBCd2	WBCd4	Pltd0	Pltd2	Pltd4	Prd0	Prd2	Prd4	Albd0	Albd2	Albd4	ASTd0	ASTd2	ASTd4	ALTd0	ALTd2	ALTd4	tBili d0	tBili d2
1	4.5	4.8	1.52	1.04	2.18	7.5	6.6	7.4	4.5	3.8	3.7	35	29	45	44	37	44	30	20.6
2	4.8	5.8	0.53	0.73	1.68	7.7	7.5	6.5	3.83	3.6	3.3	36	48	48	20	47	50	62.3	20.8
3	3.6	4	0.47	0.51	0.99	6.7	6.4	6.1	3.6	3.4	3.2	57	47	55	29	38	41	40.4	18.7
4	5.3	4	0.81	0.88	0.84	7.4	6.6	6.7	3.5	3.1	3.1	98	115	98	144	150	141	42	15.1
5	4.5	5.8	0.9	1.07	1.62	6.8	7	6.8	3.2	3.1	3.1	48	56	45	49	47	50	74.3	20.8
6	3.4	2.3	1.22	1.49	2.33	6.9	7.2	6.2	3.17	2.9	3.04	59	36	44	66	38	53	19	18.6
7	5.2	6	0.6	0.32	0.93	7.6	7	7	3.7	3.5	3.3	99	64	59	56	51	39	17.4	16
8	3.5	3	0.83	0.92	1.2	5.2	5.3	6	2.8	2.3	2.6	192	151	154	106	85	98	48	21
9	4.6	4.9	0.8	0.92	1.6	6.6	7	6.6	3.8	4.3	4.1	37	21	39	25	36	44	17.8	16.7
10	6	7.4	0.8	0.9	1.1	7.3	7.7	7.5	4.1	4	3.8	58	42	50	57	41	66	39.7	15.6
Mean	4.54	4.80	0.85	0.88	1.45	6.97	6.83	6.68	3.62	3.40	3.32	71.90	60.90	63.70	59.60	57.00	62.60	39.09	18.39
Min	3.4	2.3	0.47	0.32	0.84	5.2	5.3	6	2.8	2.3	2.6	35	21	39	20	36	39	17.4	15.1
Max	6	7.4	1.52	1.49	2.33	7.7	7.7	7.5	4.5	4.3	4.1	192	151	154	144	150	141	74.3	21
SD	0.85	1.53	0.32	0.32	0.52	0.74	0.67	0.51	0.49	0.58	0.43	48.14	40.86	35.84	38.58	35.73	32.55	19.09	2.37
Median	4.55	4.85	0.81	0.91	1.4	7.1	7	6.65	3.65	3.45	3.25	57.5	47.5	49	52.5	44	50	40.05	18.65

No.	tBili		dBili		dBili		inBili		inBili		inBili		Urea		Urea		Crea		Crea		Glud0		Glud2		Glud4		U-alb		U-bili			
	d4	d0	d2	d4	d0	d2	d4	d0	d2	d4	d0	d2	d4	d0	d2	d4	d0	d2	d4	d0	d2	d4	d0	d2	d4	d0	d2	d4	d0	d2	d4	
1	20	16.4	8.5	7	13.6	12.1	13	6.2	4.5	5	102	94.4	96	5.8	4.8	3.9	2	0														
2	17.8	23	6.3	4.5	39.3	14.5	13.3	6.5	8.3	5.1	101	85	75	6.5	5.7	5.2	0	0														
3	17.6	18.6	6.5	5.1	11.8	12.2	12.5	5.6	8.3	4.6	109	91	83	6	5.5	4.9	2	0														
4	15.8	21	5.2	4.7	21	9.9	11.1	8.3	9.4	5.9	97.3	84	92	5.4	3.7	4.5	2	0														
5	11.8	14	7.3	3.8	60.3	13.5	8	5.6	5.8	4	105	92	90.5	5.4	11.2	5.2	0	0														
6	17.5	5.4	4.2	4	13.6	14.4	13.5	8.5	9.5	5.1	83.3	81	69.8	3.9	5.5	7.4	1	0														
7	16.7	6.2	5	4.8	11.2	11	11.9	5.9	6.8	6.7	127.8	100	90	8.4	9.2	6.8	2	1														
8	17	43	11	8	5	10	9	11.1	14.1	4.1	113.6	103	87	5	6.3	5	2	2														
9	15.4	3.9	4.5	4	13.9	12.2	11.4	4.2	6.2	3	110	81	83.6	4.7	6.2	4.9	1	1														
10	15.4	17.2	4.8	4	22.5	10.8	11.4	5.6	5.9	4.7	93	96	83	4.1	8.1	10	1	0														
Mean	16.50	16.87	6.33	4.99	21.22	12.06	11.51	6.75	7.88	4.82	104.20	90.74	84.99	5.52	6.62	5.78	8.00	3.00														
Min	11.8	3.9	4.2	3.8	5	9.9	8	4.2	4.5	3	83.3	81	69.8	3.9	3.7	3.9																
Max	20	43	11	8	60.3	14.5	13.5	11.1	14.1	6.7	127.8	103	96	8.4	11.2	10																
SD	2.15	11.37	2.13	1.41	16.59	1.67	1.81	2.00	2.74	1.03	12.15	7.80	7.96	1.30	2.24	1.81																
Median	16.85	16.8	5.75	4.6	13.75	12.15	11.65	6.05	7.55	4.85	103.5	91.5	85.3	5.4	5.95	5.1																

No.	Nausea	Vomit	Fatigue	Headache	Vertigo	Diarrhea	Abdomen pain
1	0	0	2	2	1	0	0
2	1	0	2	3	2	0	0
3	1	0	2	3	1	0	0
4	1	0	2	2	1	0	1
5	2	1	2	3	1	0	1
6	1	0	2	2	1	0	0
7	1	0	2	3	1	0	0
8	2	2	3	3	3	1	2
9	3	3	3	3	3	0	0
10	2	1	3	3	1	0	0
Mean	9.00	4.00	10.00	10.00	10.00	1.00	3.00
Min							
Max							
SD							
Median							