

Table S3

Comparison of results from worksheet functions versus NeoRelief model output

<i>Total Morphine Clearance</i>					Holford		Anand			Knibbe			Wang1		Wang2		Knosgaard	
Patient	Age	Unit	Bw	Term	<i>Excel</i>	<i>NeoR</i>	<i>Excel</i>	<i>NeoR</i>	<i>Krekels</i>	<i>Excel</i>	<i>NeoR</i>	<i>Krekels</i>	<i>Excel</i>	<i>NeoR</i>	<i>Excel</i>	<i>NeoR</i>	<i>Excel</i>	<i>NeoR</i>
					CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
			(kg)	(wk)	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min	ml/min
PT1D	1day		0.5	32	1.89	1.89	2.40	2.40	2.37	1.44	1.44	1.44	1.13	1.13	1.18	1.18	1.78	1.78
PT2W	2weeks		1	34	4.52	4.52	5.92	5.92	4.90	9.29	9.29	9.29	3.15	3.15	3.11	3.11	4.40	4.4
FT1D	1day		3.5	38	27.63	27.63	29.89	29.89	29.50	23.72	23.72	23.7	36.65	36.65	38.22	38.22	22.19	22.19
FT2W	2weeks		4	40	40.12	40.12	44.12	44.12	38.20	68.39	68.39	68.4	55.83	55.83	56.02	56.02	32.75	32.75
IN3M	3month		6	40	95.63	95.63	106.46	106.46	98.00	122.62	122.62	123	153.44	153.44	146.22	146.22	79.02	79.02
IN6M	6month		7.5	40	165.39	165.39	180.05	180.05	173.00	169.08	169.08	169	211.75	211.75	207.72	207.72	133.65	133.65
IN1Y	1year		10	40	280.81	280.81	289.93	289.93	287.00	255.87	255.87	256	287.49	287.49	292.00	292.00	215.21	215.21
IN2Y	2year		13	40	392.29	392.29	388.65	388.65	388.00	373.33	373.33	373	366.63	366.63	379.09	379.09	288.49	288.49
IN3Y	3year		17	40	491.90	491.90	482.39	482.39	482.00	549.37	549.37	549	465.76	465.76	486.29	486.29	358.07	358.07

Results for nine case examples are presented: 32 week preterm neonate (PT1D); 32 week preterm neonates (PT2W); 38 week term neonate (FT1D); 40 week term neonate (FT2W); 3 month old infant born term (IN3M); 6 month old infant (IN6M); one year old infant (IN1Y); 2 year old infant (IN2Y); and 3 year old infant (IN3Y) .