EQAS Weighed In Values Therapeutic Drug Monitoring Program

Cycle 45

	UNIT	Sample											
		1	2	3	4	5	6	7	8	9	10	11	12
Acetaminophen	umol/L	1312	479	717	122	479	1312	122	717	479	122	717	1312
Amikacin	umol/L	77	25.6	40	3.5	25.6	77	3.5	40	26	3.5	40	77
Caffeine	umol/L	118	43	64	10.3	43	118	10.3	64	43	10.3	64	118
Carbamazepine	umol/L	76	34	46	16	34	76	16	46	34	16	46	76
Digoxin	nmol/L	4	1.8	2.4	0.81	1.8	4	0.81	2.4	1.8	0.81	2.4	4
Gentamicin	umol/L	1.9	20.9	15.5	29	20.9	1.9	29	15.5	20.9	29	15.5	1.9
Lithium	mmol/L	0.6	2.6	2.1	3.5	2.6	0.6	3.5	2.1	2.6	3.5	2.1	0.6
Phenobarbital	umol/L	286	105	156	27	105	286	27	156	105	27	156	286
Phenytoin	umol/L	127	51	73	19	51	127	19	73	51	19	73	127
Primidone	umol/L	16	57	46	75	57	16	75	46	57	75	46	16
Salicylate	mmol/L	3.2	1.38	1.9	0.6	1.38	3.2	0.6	1.9	1.4	0.6	1.9	3.2
Theophylline	umol/L	169	72	100	31	72	169	31	100	72	31	100	169
Tobramycin	umol/L	3	18.6	14.1	25.2	18.6	3	25.2	14.1	18.6	25.2	14.1	3
Valproic Acid	umol/L	955	437	585	215	437	955	215	585	437	215	55	955
Vancomycin	umol/L	43	15	23	3	15	43	3	23	15	3	23	43

EQAS Weighed In Values Therapeutic Drug Monitoring Program

Cycle 45

	UNIT	Sample											
		1	2	3	4	5	6	7	8	9	10	11	12
Acetaminophen	ug/mL	198	72	108	18.5	72	198	18.5	108	72	18.5	108	198
Amikacin	ug/mL	45	14.9	23.5	2.1	14.9	45	2.1	23.5	14.9	2.1	23.5	45
Caffeine	ug/mL	23	8.3	12.5	2	8.3	23	2	12.5	8.3	2	12.5	23
Carbamazepine	ug/mL	18	8.1	10.9	3.8	8.1	18	3.8	10.9	8.1	3.8	10.9	18
Digoxin	ng/mL	3.2	1.4	1.9	0.63	1.4	3.2	0.63	1.9	1.4	0.63	1.9	3.2
Gentamicin	ug/mL	0.93	10	7.4	13.9	10	0.93	13.9	7.4	10	13.9	7.4	0.93
Lithium	mmol/L	0.6	2.6	2.1	3.5	2.6	0.6	3.5	2.1	2.6	3.5	2.1	0.6
Phenobarbital	ug/mL	66	24.3	36	6.3	24.3	66	6.3	36.3	24	6.3	36	66
Phenytoin	ug/mL	32	13	18.4	4.8	13	32	4.8	18.4	13	4.8	18.4	32
Primidone	ug/mL	3.6	12.5	10	16.4	12.5	3.6	16.4	10	12.5	16.4	10	3.6
Salicylate	mg/dL	45	19.1	26	8.1	19.1	45	8.1	26.4	19.1	8.1	26	45
Theophylline	ug/mL	30	13	18	5.6	13	30	5.6	18	13	5.6	18	30
Tobramycin	ug/mL	1.4	8.7	6.6	11.8	8.7	1.4	11.8	6.6	8.7	11.8	6.6	1.4
Valproic Acid	ug/mL	138	63	84	31	63	138	31	84	63	31	84	138
Vancomycin	ug/mL	62	21.8	33	4.6	21.8	62	4.6	33.3	21.8	4.6	33	62

EQAS Weighed In Values Therapeutic Drug Monitoring Program

Cycle 44

	UNIT	Sample											
		1	2	3	4	5	6	7	8	9	10	11	12
Acetaminophen	umol/L	709	122	943	1295	122	709	1295	122	943	1295	943	709
Amikacin	umol/L	40	2.8	55	78	2.8	40	78	2.8	55	78	55	40
Caffeine	umol/L	64	118	43	10.3	118	64	10.3	118	43	10.3	43	64
Carbamazepine	umol/L	46	19.1	57	74	19.1	46	74	19.1	57	74	57	46
Digoxin	nmol/L	3.0	5.1	2.1	0.81	5.1	3.0	0.81	5.1	2.1	0.81	2.1	3.0
Gentamicin	umol/L	17.3	2.2	23.3	32	2.2	17.3	32	2.2	23.3	32	23.3	17.3
Lithium	mmol/L	2.2	3.8	1.5	0.56	3.8	2.2	0.56	3.8	1.5	0.56	1.5	2.2
Phenobarbital	umol/L	162	27.2	216	297	27.2	162	297	27.2	216	297	216	162
Phenytoin	umol/L	76	18.8	99	134	18.8	76	134	18.8	99	134	99	76
Primidone	umol/L	60	104	43	16.5	104	60	16.5	104	43	16.5	43	60
Salicylate	mmol/L	1.9	0.62	2.4	3.2	0.62	1.9	3.2	0.62	2.4	3.2	2.4	1.9
Theophylline	umol/L	98	164	71	31	164	98	31	164	71	31	71	98
Tobramycin	umol/L	15.7	3.7	20.5	27.7	3.7	15.7	27.7	3.7	20.5	27.7	20.5	15.7
Valproic Acid	umol/L	588	955	441	221	955	588	221	955	441	221	441	588
Vancomycin	umol/L	23.3	3.8	31	43	3.8	23.3	43	3.8	31	43	31	23.3

EQAS Weighed In Values Therapeutic Drug Monitoring Program

Cycle 44

	UNIT	Sample											
		1	2	3	4	5	6	7	8	9	10	11	12
Acetaminophen	ug/mL	107	18.5	142	196	18.5	107	196	18.5	142	196	142	107
Amikacin	ug/mL	23.5	1.6	32	45	1.6	23.5	45	1.6	32	45	32 2	23.5
Caffeine	ug/mL	12.5	23.0	8.3	2.0	23.0	12.5	2.0	23.0	8.3	2.0	8.3	12.5
Carbamazepine	ug/mL	11.0	4.5	13.5	17.4	4.5	11.0	17.4	4.5	13.5	17.4	13.5	11.0
Digoxin	ng/mL	2.3	4.0	1.6	0.63	4.0	2.3	0.63	4.0	1.6	0.63	1.6	2.3
Gentamicin	ug/mL	8.2	1.1	11.1	15.4	1.1	8.2	15.4	1.1	11.1	15.4	11.1	8.2
Lithium	mmol/L	2.2	3.8	1.5	0.56	3.8	2.2	0.56	3.8	1.5	0.56	1.5	2.2
Phenobarbital	ug/mL	38	6.3	50	69	6.3	38	69	6.3	50	69	50	38
Phenytoin	ug/mL	19.3	4.7	25.1	34	4.7	19.3	34	4.7	25.1	34	25.1	19.3
Primidone	ug/mL	13.1	22.6	9.3	3.6	22.6	13.1	3.6	22.6	9.3	3.6	9.3	13.1
Salicylate	mg/dL	26.6	8.5	34	45	8.5	26.6	45	8.5	34	45	34	26.6
Theophylline	ug/mL	17.6	29.6	12.8	5.5	29.6	17.6	5.5	29.6	12.8	5.5	12.8	17.6
Tobramycin	ug/mL	7.4	1.7	9.6	13.0	1.7	7.4	13.0	1.7	9.6	13.0	9.6	7.4
Valproic Acid	ug/mL	85	138	64	32	138	85	32	138	64	32	64	85
Vancomycin	ug/mL	34	5.5	45	62	5.5	34	62	5.5	45	62	45	34