

SUPPLEMENTARY MATERIAL

Supplementary Material

Table i. The long-term release of vancomycin from a biphasic ceramic carrier in blood serum. All values are vancomycin concentration measured in mg/l

Time, days	Time, hrs	Patient										Mean	SD
		1	2	3	4	5*	6	7	8	9	10		
0	0	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
0.042	1	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	1.884	2.464	<0.1	<0.1	2.174	0.290
0.083	2	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	1.304	3.333	0.725	<0.1	1.787	1.118
0.125	3	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	1.014	1.884	1.014	<0.1	1.304	0.410
0.167	4	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	2.174	3.043	1.014	<0.1	2.077	0.831
0.208	5	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	2.319	1.014	1.159	<0.1	1.498	0.584
0.25	6	<0.1	<0.1	<0.1	N/A	N/A	<0.1	3.768	1.594	0.725	<0.1	2.029	1.280
0.5	12	<0.1	<0.1	<0.1	1.884	N/A	N/A	3.623	1.739	2.319	<0.1	2.391	0.743
0.75	18	<0.1	<0.1	<0.1	0.725	N/A	2.899	2.609	<0.1	1.739	<0.1	1.993	0.847
1	24	<0.1	<0.1	<0.1	2.029	N/A	<0.1	0.290	<0.1	1.014	<0.1	1.111	0.713
1.25	30	<0.1	<0.1	<0.1	2.754	N/A	<0.1	<0.1	<0.1	1.159	<0.1	1.957	0.797
1.5	36	<0.1	<0.1	<0.1	2.029	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	2.029	0
1.75	42	<0.1	<0.1	N/A	<0.1	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2	48	<0.1	<0.1	<0.1	1.449	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	1.449	0
2.25	54	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	<0.1	<0.1	0.200	<0.1	0.200	0
2.5	60	<0.1	<0.1	N/A	<0.1	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2.75	66	<0.1	<0.1	<0.1	1.014	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	1.014	0
3	72	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	<0.1	<0.1	0.200	<0.1	0.200	0
3.25	78	<0.1	<0.1	<0.1	1.159	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	1.159	0
3.5	84	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3.75	90	<0.1	<0.1	<0.1	0.290	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	0.290	0
4	96	<0.1	<0.1	<0.1	<0.1	N/A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

*Excluded
N/A, not available

Table ii. The long-term release of vancomycin from a biphasic ceramic carrier in drain fluid. All values are vancomycin concentration measured in mg/l

Time, days	Time, hrs	Patient										Mean	SD
		1	2	3	4	5*	6	7	8	9	10		
0.25	6	939.855	216.522	N/A	359.130	N/A	1562.319	1676.812	855.797	1591.159	527.101	966.087	546.253
0.5	12	N/A	95.072	275.073	321.884	N/A	777.536	1345.652	798.551	2074.638	578.116	783.315	609.407
0.75	18	756.667	246.812	N/A	516.957	N/A	631.594	1178.116	682.029	1023.188	134.783	646.268	331.006
1	24	N/A	244.493	307.971	632.319	N/A	392.464	981.449	N/A	N/A	222.174	463.478	268.393
1.25	30	577.391	N/A	N/A	433.478	N/A	256.667	776.667	N/A	N/A	117.536	432.348	232.192
1.5	36	565.942	111.304	197.826	377.101	N/A	224.783	N/A	552.319	284.493	N/A	330.538	162.898
1.75	42	N/A	123.044	284.493	431.304	N/A	N/A	N/A	N/A	N/A	N/A	279.614	125.894
2	48	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2.25	54	N/A	179.130	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	179.130	0
2.5	60	N/A	88.261	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	88.261	0

*Excluded
N/A, not available

Table iii. The long-term release of vancomycin from a biphasic ceramic carrier in urine. All values are vancomycin concentration measured in mg/l

Time, days	Patient										Mean	sd
	1	2	3	4	5*	6	7	8	9	10		
0	< 0.1	< 0.1	< 0.1	< 0.1	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1	102.319	84.203	68.841	77.971	N/A	44.348	147.101	218.696	88.406	66.667	99.839	49.845
2	39.565	160.435	38.261	233.913	N/A	32.609	204.928	164.203	43.043	101.449	113.156	74.841
3	12.899	38.841	21.014	131.884	N/A	27.681	35.797	102.174	33.623	27.826	47.971	38.284
4	16.957	18.696	23.768	91.159	N/A	31.014	15.217	48.406	18.841	8.406	30.274	24.096
5	27.681	7.246	32.899	85.652	N/A	13.768	4.203	19.855	3.333	N/A	24.330	25.285
6	7.681	6.377	N/A	85.507	N/A	N/A	6.522	14.493	12.464	N/A	22.174	28.487
7	11.594	11.449	38.261	57.681	N/A	N/A	11.014	11.884	N/A	< 0.1	23.647	18.092
10	12.319	1.449	7.391	18.116	N/A	N/A	2.319	6.522	6.087	< 0.1	7.743	5.371
13	0.870	1.159	< 0.1	8.696	N/A	N/A	1.884	N/A	11.159	< 0.1	4.754	4.308
16	< 0.1	< 0.1	6.087	< 0.1	N/A	N/A	0.580	5.797	8.551	< 0.1	4.203	3.340
18	< 0.1	< 0.1	1.739	< 0.1	N/A	N/A	< 0.1	3.768	< 0.1	< 0.1	1.836	1.540
21	< 0.1	< 0.1	1.159	< 0.1	N/A	N/A	< 0.1	0.725	0.435	< 0.1	0.580	0.423
24	< 0.1	< 0.1	< 0.1	< 0.1	N/A	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
27	< 0.1	< 0.1	N/A	N/A	N/A	N/A	N/A	< 0.1	< 0.1	N/A	< 0.1	< 0.1
30	< 0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	< 0.1	< 0.1

*Excluded
N/A, not available