

Appendix. Minimum inhibitory concentration of 85 NTM strains

MIC	No. (%) resistant strains in mycobacterium strains							Total (n = 85)
	RGM		SGM					
	<i>M. chelonae/</i> <i>M. abscessus</i>	<i>M. fortuitum</i>	<i>M. intracellulare</i>	<i>M. kansasii</i>	<i>M. avium</i>	<i>M. goodii</i>	<i>M. gilvum</i>	
	(n = 30)	(n = 5)	(n = 26)	(n = 13)	(n = 7)	(n = 2)	(n = 2)	
Any drug resistance								
Rfp, No. (%)	22 (73.3)	1 (20.0)	2 (7.7)	2 (15.4)	0	0	0	27 (31.8)
< 1 µg/mL (S)	3	1	24	10	7	2	2	
1 µg/mL (S)	0	2	0	1	0	0	0	
4 µg/mL (I)	5	1	0	0	0	0	0	
6 µg/mL (R)	2	1	2	1	0	0	0	
16 µg/mL (R)	20	0	0	1	0	0	0	
Emb, No. (%)	28 (93.3)	3 (60.0)	3 (11.5)	1 (7.7)	0	0	1 (50.0)	36 (42.4)
< 2.5 µg/mL (S)	1	0	23	10	7	2	0	
2.5 µg/mL (I)	1	2	0	2	0	0	1	
5 µg/mL (R)	1	0	1	0	0	0	0	
10 µg/mL (R)	4	0	1	0	0	0	1	
20 µg/mL (R)	23	3	1	1	0	0	0	
Mfx, No. (%)	10 (33.3)	0	0	0	0	0	1 (50.0)	11 (12.9)
< 0.125 µg/mL (S)	1	1	3	3	1	1	1	
0.125 µg/mL (S)	1	2	3	1	3	0	0	
0.25 µg/mL (S)	1	2	16	3	3	0	0	
0.5 µg/mL (S)	0	0	3	2	0	1	0	
1 µg/mL (S)	6	0	1	2	0	0	0	
2 µg/mL (S)	8	0	0	2	0	0	0	
4 µg/mL (S)	3	0	0	0	0	0	0	
8 µg/mL (R)	4	0	0	0	0	0	1	
16 µg/mL (R)	6	0	0	0	0	0	0	
Am, No. (%)	1 (3.3)	0	0	3 (23.1)	0	0	0	4 (4.7)
< 1 µg/mL (S)	0	0	8	1	2	2	0	
1 µg/mL (S)	8	4	16	5	2	0	2	
4 µg/mL (S)	19	1	2	2	5	0	0	
16 µg/mL (I)	2	0	0	2	0	0	0	
64 µg/mL (R)	1	0	0	3	0	0	0	
Clr, No. (%)	4 (13.3)	2 (40.2)	0	1 (7.7)	0	0	0	7 (8.2)
< 0.5 µg/mL (S)	15	1	26	12	5	2	0	
0.5 µg/mL (S)	9	2	0	0	2	0	1	
4 µg/mL (I)	2	0	0	0	0	0	1	
16 µg/mL (R)	1	1	0	0	0	0	0	
64 µg/mL (R)	3	1	0	1	0	0	0	
Rfb, No. (%)	11 (36.7)	0	1 (3.9)	1 (7.7)	0	0	0	13 (15.3)
< 0.5 µg/mL (S)	8	4	24	12	7	2	1	
0.5 µg/mL (S)	10	1	1	0	0	0	1	

2 µg/mL (R)	10	0	1	1	0	0	0	
8 µg/mL (R)	1	0	0	0	0	0	0	
32 µg/mL (R)	1	0	0	0	0	0	0	
Lzd, No. (%)	1 (3.3)	1 (20.0)	0	1 (7.7)	1 (14.3)	0	0	4 (4.7)
< 0.5 µg/mL (S)	3	0	1	1	1	1	0	
0.5 µg/mL (S)	3	1	8	9	0	1	0	
2 µg/mL (S)	16	2	14	2	2	0	2	
8 µg/mL (I)	7	1	3	0	3	0	0	
32 µg/mL (R)	1	1	0	1	1	0	0	
Lmp/Cln, No. (%)	30 (100.0)	5 (100.0)	26 (100.0)	13 (100.0)	7 (100.0)	2 (100.0)	2 (100.0)	85 (100.0)
< 0.5 µg/mL (S)	0	0	0	0	0	0	0	
0.5 µg/mL (S)	0	0	0	0	0	0	0	
4 µg/mL (I)	0	0	0	0	0	0	0	
16 µg/mL (R)	1	0	1	0	0	0	0	
64 µg/mL (R)	29	5	25	13	7	2	2	
Azm, No. (%)	13 (43.3)	4 (80.0)	0	4 (30.8)	1 (14.3)	0	1 (50.0)	23 (27.1)
< 1 µg/mL (S)	10	0	3	1	0	1	0	
1 µg/mL (S)	6	1	15	4	3	0	1	
4 µg/mL (I)	1	0	8	4	3	1	0	
16 µg/mL (R)	3	0	0	2	1	0	0	
32 µg/mL (R)	10	4	0	2	0	0	1	
Fox, No. (%)	1 (3.3)	0	1 (3.9)	10 (76.9)	0	0	0	12 (14.1)
<4 µg/mL (S)	2	1	5	0	2	0	1	
4 µg/mL (S)	9	1	5	1	2	2	1	
16 µg/mL (S)	8	0	11	1	1	0	0	
32 µg/mL (S)	5	0	3	1	2	0	0	
40 µg/mL (S)	3	2	1	0	0	0	0	
64 µg/mL (I)	2	1	0	0	0	0	0	
80 µg/mL (R)	0	0	0	0	0	0	0	
128 µg/mL (R)	0	0	0	0	0	0	0	
160 µg/mL (R)	1	0	1	10	0	0	0	
Tob, No. (%)	22 (73.3)	5 (100.0)	2 (7.7)	12 (92.3)	0	1 (50.0)	2 (100.0)	44 (54.1)
< 0.5 µg/mL (S)	0	0	0	0	0	0	0	
0.5 µg/mL (S)	0	0	1	0	0	0	0	
1 µg/mL (S)	0	0	3	0	3	0	0	
2 µg/mL (S)	1	0	13	0	1	0	0	
4 µg/mL (S)	1	0	7	1	2	1	0	
8 µg/mL (I)	6	0	0	0	1	0	0	
16 µg/mL (R)	10	2	1	2	0	0	2	
32 µg/mL (R)	9	2	1	2	0	1	0	
64 µg/mL (R)	3	1	0	8	0	0	0	
Gfx, No. (%)	28 (93.3)	0	10 (62.5)	9 (69.2)	0	1 (50.0)	1 (50.0)	49 (57.6)
< 0.06 µg/mL (S)	1	1	1	0	0	1	1	
0.06 µg/mL (S)	0	1	2	2	0	0	0	

0.125 µg/mL (S)	1	2	2	2	4	0	0	
0.25 µg/mL (S)	0	1	11	0	3	0	0	
0.5 µg/mL (R)	2	0	7	4	0	1	0	
1 µg/mL (R)	12	0	3	1	0	0	0	
2 µg/mL (R)	4	0	0	3	0	0	0	
4 µg/mL (R)	4	0	0	1	0	0	1	
8 µg/mL (R)	6	0	0	0	0	0	0	
Dox, No. (%)	23 (76.7)	4 (80.0)	15 (57.7)	10 (76.9)	1 (14.3)	0	1 (50.0)	54 (63.5)
< 0.5 µg/mL (S)	3	0	1	0	0	1	0	
0.5 µg/mL (S)	1	1	2	0	0	0	1	
1 µg/mL (S)	1	0	3	1	1	0	0	
4 µg/mL (I)	2	0	5	2	5	1	0	
8 µg/mL (R)	0	0	5	4	0	0	1	
16 µg/mL (R)	3	1	5	3	1	0	0	
32 µg/mL (R)	8	0	4	3	0	0	0	
64 µg/mL (R)	1	0	1	0	0	0	0	
128 µg/mL (R)	11	3	0	0	0	0	0	
Min, No. (%)	20 (66.7)	4 (80.0)	14 (53.9)	5 (38.5)	3 (42.9)	0	1 (50.0)	47 (55.3)
<0.5 µg/mL (S)	6	1	0	0	0	1	1	
0.5 µg/mL (S)	0	0	0	0	0	0	0	
1 µg/mL (S)	2	0	5	3	1	1	0	
4 µg/mL (I)	2	0	7	5	3	0	0	
8 µg/mL (R)	1	1	8	1	1	0	0	
16 µg/mL (R)	2	1	2	3	2	0	1	
32 µg/mL (R)	6	0	1	0	0	0	0	
64 µg/mL (R)	7	1	3	0	0	0	0	
128 µg/mL (R)	4	1	0	1	0	0	0	
Smz, No. (%)	26 (86.7)	3 (60.0)	13 (50.0)	12 (92.3)	2 (28.6)	1 (50.0)	2 (100.0)	59 (69.4)
< 8 µg/mL (S)	0	0	3	0	1	1	0	
8 µg/mL (S)	0	0	0	0	0	0	0	
16 µg/mL (S)	1	1	3	0	1	0	0	
32 µg/mL (R)	3	0	3	0	2	0	0	
64 µg/mL (I)	0	1	4	1	1	0	0	
80 µg/mL (R)	5	0	4	0	0	0	0	
128 µg/mL (R)	0	0	1	0	0	0	1	
160 µg/mL (R)	0	0	0	0	0	0	0	
256 µg/mL (R)	21	3	8	12	2	1	1	

NTM: non-tuberculous mycobacteria.

MIC: Minimum Inhibitory Concentration.

RGM: rapidly growing mycobacteria; SGM: slowly growing mycobacteria.

Rfp: rifampicin; Emb: ethambutol; Mfx: moxifloxacin; Am: amikacin; Clr: clarithromycin; Rfb: rifabutin; Lzd: linezolid;

Lmp/Cln: imipenem and cilastatin; Azm: azithromycin; Fox: cefoxitin; Tob: tobramycin; Gfx: gatifloxacin; Dox: doxycycline;

Min: minocycline; Smz: sulfamethoxazole.

S: sensitive; I: intermediate; R: resistant