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Organism	Antimicrobial	N	MIC (µg/ml)			%5	941	%R
			MIC	MIC _{so}	Range			
8. fragilis	AMX/CA 2**	192	0.25	4	≤0.06->128	NA	NA	NA
	AMX/CA 2:1"	259	0.5	4	s0.125-128	94.6	1.2	4.2
	Amoxicillin	293	32	>128	s0.125->128	NA	NA	NA
	Clindamycin	293	- 1	64	≤0.016->256	79.5	6.8	13.7
	Imipenem	293	0.25	1	≤0.016-128	98.3	0.0	1.7
	Levofloxacin	293	2	8	0.125->16	NA	NA	NA
	Metronidazole	293	1	1	⊴0.06-16	99.7	0.3	0.0
Prevotella spp.	AMX/CA 2 ⁴⁸	218	0.125	0.5	≤0.016-32	NA	NA	NA
	AMX/CA 2:1**	259	0.125	.1	0.125-4	100	0	0
	Amaxicillin	303	1	64	≤0.016->128	NA	NA	NA
	Clindamycin	303	≤0.016	2	≤0.016->256	92.1	1.3	6.6
	Imipenem	303	0.03	0.25	⊴0.016-2	100	0	0
	Levofloxacin	303	1	8	90.06-64	NA	NA	NA
	Metronidazole	303	0.5	2	0.05->4	100	0	0
E. nucleatum	AMX/CA 2 ⁴⁸	46	0.125	0.5	≤0.06-2	NA	NA	NA
	AMX/CA 2:1**	144	0.125	0.25	0.03-1	100	0	0
	Amoxicillin	157	0.125	1	0.03->128	NA	NA	NA
	Clindamycin	157	0.06	0.125	⊴0.016-8	99.4	0.0	0.6
	Imipenem	157	0.015	0.25	⊴0.016-2	100	0	0
	Levofloxacin	157	0.5	2	s0.06->16	NA	NA	NA
	Metronidazole	157	0.125	1	0.06-2	100	0	0
E. corrodens	AMX/CA 2 ¹³	21	0.25	2	≤0.016-2	NA	NA	NA
	AMX/CA 2:15	70	0.5	- 1	0.06-2	NA	NA	NA
	Amoxicillin	83	100	2	0.06-32	NA.	NA	NA
	Clindamycin	83	>32	128	0.016-256	NA	NA	NA
	Imipenem	83	0.125	0.25	≤0.016-8	NA	NA	NA
	Levofloxacin	83	≤0.06	0.125	≤0.06-0.125	NA	NA	NA.
	Metronidazole	83	>32	>64	16->64	NA	NA	NA
R anaerobius	AMX/CA 2 ^{k3}	40	0.125	8	≤0.06-32	NA.	NA	NA
	AMX/CA 2:114	83	0.25	8	0.03-32	84.3	7.2	8.4
	Amoxicillin	92	0.25	16	0.06-32	NA	NA	NA.
	Clindamycin	92	0.06	0.25	≤0.016-32	98.9	0.0	1.1
	Imipenem	92	0.06	1	≤0.016-8	98.9	1.1	0.0
	Levofloxacin	92	0.5	1	0.125-32	NA	NA	NA
	Metronidazole	92	0.5	1	0.06-2	100	0	0
F. (P.) magna	AMX/CA 2 ¹⁰	40	0.125	0.5	s0.06-1	NA	NA	NA
	AMX/CA 2:1"	90	0.25	0.5	0.125-1	100	0	0
	Amoxicillin	98	0.25	0.5	0.06-1	NA	NA	NA
	Clindamycin	98	0.5	32	≤0.016-256	84.7	2.0	13.3
	Imipenem	98	0.06	0.125	≤0.016-0.5	100	0	0
	Levofloxacin	98	1	16	s0.125-64	NA	NA.	NA
	Metronidazole	98	0.5	1	0.06->64	96.9	0.0	3.1
P. micros	AMX/CA 2 ⁴³	78	0.125	0.125	≤0.06-1	NA	NA	NA
	AMX/CA 2:1**	142	0.125	0.5	0.03-2	100	0	0
	Amoxicillin	146	0.125	0.5	0.03->128	NA	NA	NA
	Clindamycin	146	0.125	0.5	⊴0.016-8	99.3	0.0	0.7
	Imipenem	146	:0.016	0.06	<0.016-0.5	100	0.0	0.0
	Levofloxacin	146	0.5	2	0.125->16	NA	NA	NA
	Metronidazole	146	0.25	0.5	0.06->64	99.3	0.0	0.7
Porphyromonas spp.	AMX/CA 244	66	0.125	0.125	<0.05-0.5	NA	NA	NA
	AMX/CA 2:1"	119	0.125	0.125	0.03-0.5	100	0	0
	Amoxicillin	125	0.125	0.25	0.03-0.5	NA	NA	NA
	Clindamycin	125	<0.016	0.05	<0.016->32	96.8	0.0	3.2
	Imipenem	125	≤0.016	0.06	s0.016-532 s0.016-0.5	100	0.0	0
	Levofloxacin	125	0.5	2	0.125-8	NA	NA	NA

[%]S, percentage susceptible; %I, percentage intermediate; %R, percentage resistant; NA, not available AMOVCA, amoxicilliniclavulanic acid

B. fragilis

Metronidazole, imipenem and amoxicillin/clavulanic acid were the most active agents. A total of 75% (9/12) of isolates with amoxicillin/clavulanic acid MicS =16 µg/ml were from one European site (Cardiff, Wales, UK). The less active agents against B. fragilis were amoxicillin, clindamycin and levofloxacin.

Prevotella spp.

All strains were susceptible to amoxicillin/clavulanic acid 2:1, imipenem and metronidazole. Of the 303 isolates tested, 20 were resistant to clindamycin. Amoxicillin and levofloxacin demonstrated weak activity.

F. nucleatum

Amoxicillin/clavulanic acid 2:1, imipenem and metronidazole were active against all the isolates against which they were tested. Only one strain was resistant to clindamycin, four strains had amoxicillin MICs > μ man four strains had levofloxacin MICs > μ man for the four strains had levofloxac

E. corrodens

Clindamycin and metronidazole were not active against the 83 strains tested; the other agents tested showed good activity.

P. anaerobius

Clindamycin, imipenem and metronidazole were the most active agents. A total of 1383 strains were intermediate or resistant to amoscillin' clavulanic acid 2:1. Amoscillin and amoscillin/clavulanic acid MICs were similar. All 13 of these strains were from the USA (three from Hershey, PA, and 10 from Los Angelles, CA). Seven strains had levofloxacin

F. (P.) magna

All strains were susceptible to amoxicillin/clavulanic acid 2:1 and imipenem. Amoxicillin was as active as amoxicilin/clavulanic acid. Only three of the very control of the control of

P. micros

All agents showed similar activity against the strains tested. However 12/146 strains had levofloxacin MICs >2 µg/ml.

Porphyromonas spp.

All agents were very active against the strains tested, with the exceptions of four out of 125 strains that were resistant to clindamycin (all four were from Los Angeles, CA) and 10 strains that had levofloxacin MICs >2 unfl.

Mics >2 µg/mi. Amoxicillin/Clavulanic Acid Test Concentrations

With the exception of B. fragilis and Prevotella spp., the MICs for

with the deception of it. I religion and Prévioleta's sp., pr. was No. 11 calcularine. and 21. A foot of 77.2% of 18. fragilis with amoscillinic/davianic acid MICs 52 uprint had lower MICs (by 1–4 dilutions) with amoscillinic/davianic acid 2. Compared with amoscillinic/davianic acid 2. Compared with amoscillinic/davianic acid 2. MICs 52 uprint had higher MICs (by 1–2 dilutions) with amoscillinic/davianic acid 25. MICs 52 uprint had higher MICs (by 1–2 dilutions) with amoscillinic/davianic acid 25. MICs 53. of Prevotella spp. with amoscillinic/davianic acid 2.1. A total of 63.5% of Prevotella spp. with 2. compared with amoscillinic/davianic acid 21. No. 11 control of 18. MICs 54. One of 18. MICs 54. One of 18. MICs 54. MICs 54

Discussion and Conclusions

- Amoxicillinclavulanic acid was very active against all species, with the exception of 12.6. fragific fine of voltich were isolated from one site in Cardiff, Wales, UK) and 13.P. anaerobius strains (all USA isolates). Similar amoxicillin IMCs for these 13.P. anaerobius strains would indicate a non-β-lactamase-resistant mechanism (probable pericillin-binding protein).
- With the exception of B, fragilis and Prevotella spp, MICs for amocillin/clavalunic acid 2:1 were similar. Amocilinic/clavalunic acid 2:1 were similar. Amocilinic/clavalunic acid 2:1 were similar. Amocilinic/clavalunic acid 2:1 agains B. fragilis with MICs 2:9 upil, and less active than amociclinic/clavalunic acid 2:1 agains B. fragilis with MICs 4:9 upilm. Amocilinic/clavalunic acid 2: was more active than amociclinic/davalunic acid 2:1 against Prevotella spp. with amocilinic MICs 2:0.5 upilm.
 - Metronidazole was very active against all species except the micro-aerophilic E. corrodens, and imipenem was highly active against all species.
- Levofloxacin, clindamycin and amoxicillin were the least active agents. Levofloxacin was least active against F. (P) magna, B. fragilis and Prevotella spp. and clindamycin was least active against E. corrodens, B. fragilis, Prevotella spp. and P. anaerobius.
- These data suggest that amoxicillin/clavulanic acid remains an
 effective agent for the treatment and prophylaxis of anaerobic
 infections.

Reference

 National Committee for Clinical Laboratory Standards. Methods for Antimicrobial Susceptibility Testing of Anaerobic Bacteria, 4th edn. Approved Standard M11-A4. Wavne, PA, USA: VCCLS, 1997.

Amoxicillin/clavulanic acid MIC is expressed in terms of amoxicillin concentration

^{&#}x27;Tested at German and French sites 'Tested at US and German sites