

Supplementary Table 1. Analysis Populations

Intent-to-treat	ITT	All randomized patients regardless of receipt of study drug
Microbiological intent-to-treat	MITT	All randomized patients with at least 1 baseline pathogen identified in abscess or peritonitis fluid, regardless of susceptibility to study drug
Clinically evaluable	CE	All randomized patients who received protocol-specified amount of study drug, met the protocol-specific disease definition of cIAI, adhered to trial procedures, and had a test-of-cure visit within the specified window
Microbiologically evaluable	ME	The subset of CE patients who had at least 1 baseline infecting pathogen identified that was susceptible to study drug

Abbreviation: cIAI, complicated intra-abdominal infection.

Supplementary Table 2. Per-pathogen Clinical Cure of Baseline Intra-abdominal Pathogens at the Test-of-Cure Visit (ME Population^a)

Pathogen, n/N (%)	Ceftolozane/tazobactam plus metronidazole (n = 307)	Meropenem (n = 345)
Gram-negative aerobes	238/252 (94.4)	273/291 (93.8)
Enterobacteriaceae	227/241 (94.2)	255/272 (93.8)
<i>Enterobacter cloacae</i>	19/22 (86.4)	22/22 (100)
<i>Escherichia coli</i>	197/208 (94.7)	216/231 (93.5)
<i>Klebsiella oxytoca</i>	12/12 (100)	21/22 (95.5)
<i>Klebsiella pneumoniae</i>	28/30 (93.3)	22/25 (88.0)
<i>Proteus mirabilis</i>	10/11 (90.9)	9/10 (90.0)
<i>Pseudomonas aeruginosa</i>	26/26 (100)	27/29 (93.1)
Gram-negative anaerobes	104/109 (95.4)	132/137 (96.4)
<i>Bacteroides fragilis</i>	39/41 (95.1)	56/57 (98.2)
<i>Bacteroides ovatus</i>	36/37 (97.3)	42/42 (100)
<i>Bacteroides thetaiotaomicron</i>	20/20 (100)	40/43 (93.0)
<i>Bacteroides vulgatus</i>	12/13 (92.3)	21/22 (95.5)
Gram-positive aerobes^c	153/168 (91.1)	170/185 (91.9)
<i>Enterococcus faecalis</i>	31/37 (83.8)	37/40 (92.5)
<i>Enterococcus faecium</i>	23/25 (92.0)	38/41 (92.7)
<i>Staphylococcus aureus</i>	13/13 (100)	12/12 (100)
<i>Streptococcus anginosus</i>	25/30 (83.3)	23/23 (100)
<i>Streptococcus constellatus</i>	17/18 (94.4)	20/23 (87.0)
<i>Streptococcus salivarius</i>	9/10 (90.0)	8/8 (100)

Data are presented for pathogens isolated in 10 or more patients in the ceftolozane/tazobactam plus metronidazole treatment group. Other gram-negative anaerobes isolated in less than 10 patients included: other *Bacteroides* spp., *Fusobacterium* spp., *Parabacteroides distasonis*, and *Prevotella* spp. Gram-positive anaerobes included *Bifidobacterium* spp., *Clostridium perfringens*, non-perfringens *Clostridium* spp., *Collinsella aerofaciens*, *Eggerthella lenta*, *Eubacterium* spp., *Propionibacterium acnes*, *Slackia exigua*, *Parvimonas micra*, *Peptoniphilus asaccharolyticus*, and *Peptostreptococcus anaerobius*.

Abbreviations: ME, microbiologically evaluable; MEM, meropenem; TOL/TAZ + MTZ, ceftolozane/tazobactam plus metronidazole.

^a Includes patients with pathogens at baseline that were susceptible or resistant to study drug.

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