



RUAJTM

Meropenem Injection I.P. 2 gm / 1 gm

la Renon[®]

RUAJ™

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Description

RUAJ IV (Meropenem for injection) is a sterile, pyrogen free, synthetic, broad spectrum carbapenem antibiotic for administration.

Indication

Meropenem for Injection I.V. is indicated as single agent therapy for the treatment of:

- Adult and pediatric patients (≥ 3 months of age) with complicated appendicitis and peritonitis caused by susceptible isolates of viridans group streptococci, Escherichia coli, Klebsiella pneumoniae, Pseudomonas aeruginosa, Bacteroides fragilis, B. thetaiotaomicron, and Peptostreptococcus species.
- Adult and pediatric patients (≥ 3 months of age) with complicated skin and skin structure infections caused by susceptible isolates of Staphylococcus aureus (beta-lactamase and non-beta-lactamase-producing, methicillin-susceptible isolates only).
- Pediatric patients (≥ 3 months of age) with bacterial meningitis caused by susceptible isolates of S. pneumoniae, Haemophilus influenzae (beta-lactamase- and non-beta-lactamase-producing isolates).

Mechanism of action:

RUAJ has bactericidal action by interfering with bacterial cell wall synthesis of both gram positive and gram negative bacteria.

Dosage:

Patient	Indication	Dosage	Duration
Adult	Intra Abdominal Infection	1g 8 hourly	7-14 days
	Nosocomial Pneumonia	1g 8 hourly	4-7 days
	Skin or Soft tissue infection	500mg-1gm 8 hourly	7-10 days
	Cystic Fibrosis	2g 8 hourly	7-10 days
	Meningitis	2g 8 hourly	7-21 days
	MIC value > 4 mg/ml	2g 8 hourly	7-21 days
Renal Adult	CrCl 26-50 ml/min	1g 12 hourly	—
	CrCl 10-25 ml/min	500 mg 12 hourly	—
	CrCl < 9 ml/min	500 mg 24 hourly	—
Pediatric	Intra Abdominal Infection	20mg/kg 8 hourly	—
	Meningitis	40mg/kg 8 hourly	—
	Skin and skin structure infection	10mg/kg 8 hourly	—

Strength: RUAJ is available in 1gm and 2gm strength with WFI.

- NOTE:**
- Meropenem 2gm Q8H prolonged therapy infused over 3 hours
 - Studies have demonstrated that three hour infusion improved the cumulative probability of target attainment compared to 30 minutes intermittent administration.
 - Demonstrated the successful and safe utilization of maximal daily doses of 9000 mg for meropenem and 6000 mg for doripenem in patients with Cystic Fibrosis, when administered by 3- and 4-hour prolonged infusions, respectively.

Ref:

1)Eagye KJ et al. Critical Care Medicine 2012;40:1329

2)Keel RA et al. American Journal of Health System Pharmacist 2011;68:1619

3)Catharine CB et al. Respiratory Medicine CME 3 (2010): 146–149

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