

6.2 Post-Marketing Experience
The following additional adverse reactions have been identified during the post-approval use of Ertapenem for Injection. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Gastrointestinal Disorders: teeth staining

Immune System Disorders: anaphylaxis including anaphylactoid reactions

Musculoskeletal and Connective Tissue Disorders: muscular weakness

Nervous System Disorders: coordination abnormal, depressed level of consciousness, dizziness, gait disturbance, myoclonus, tremor

Psychiatric Disorders: altered mental status (including aggression, delirium), hallucinations

Skin and Subcutaneous Tissue Disorders: Acute Generalized Exanthematous Pustulosis (AGEP), Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS syndrome)

6.3 Adverse Laboratory Changes in Clinical Trials

Adults Receiving Ertapenem for Injection as Treatment-Beginning

Laboratory adverse experiences that were reported during therapy in > 2% of adult patients treated with Ertapenem for injection in clinical trials are presented in Table 6. Drug-related laboratory adverse experiences that were reported during therapy in > 2% of adult patients treated with Ertapenem for injection, including those who were switched to therapy with an oral antimicrobial, in clinical trials were ALT increased (6%), AST increased (5.2%), serum alkaline phosphatase increased (3.4%), and platelet count increased (2.8%). Ertapenem for injection was discontinued due to laboratory adverse experiences in 0.3% of patients.

Table 6
Incidence* (%) of Laboratory Adverse Experiences Reported During Study Therapy Plus 14-Day Follow-Up in > 2% of Adult Patients Treated With Ertapenem for Injection in Clinical Trials

Adverse Laboratory experience	Ertapenem for Injection ^a		Piperacillin/Tazobactam ^b		Ertapenem for Injection ^c		Ceftriaxone ^d		1 or 2 daily (n=920)
	1 daily (n=766)	3.375 g qd (n=75)	1 daily (n=112)	3.375 g qd (n=112)	1 daily (n=12)	3.375 g qd (n=12)	1 daily (n=12)	3.375 g qd (n=12)	
ALT increased	8.8	7.3	8.3	6.9					
AST increased	8.4	8.3	7.1	6.5					
Serum alkaline phosphatase increased	6.6	7.2	4.3	2.8					
Eosinophils increased	1.1	1.1	2.1	1.8					
Hematocrit decreased	3	2.9	3.4	2.4					
Hemoglobin decreased	4.9	4.7	4.5	3.5					
Platelet count increased	6.5	6.3	4.3	3.5					
Urine RBCs increased	2.5	2.9	1.1	1					
Urine WBCs increased	2.5	3.2	1.6	1.1					

*Number of patients with laboratory adverse experiences/Number of patients with the laboratory adverse experience.

^aNumber of patients with one or more laboratory tests

^bIncludes Phase IIb/II Complicated intra-abdominal infections, Complicated skin and skin structure infections and Acute pelvic infections trials

^cIncludes Phase IIb/II Community acquired pneumonia and Complicated urinary tract infections, and Phase IIa trials

This drug is known to be substantially excreted by the kidney. The risk of toxic reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection, and it may be useful to monitor renal function (see Dosage and Administration [2.2].)

8.4 Patients with Renal Impairment

No specific information is available on the treatment of overdose with Ertapenem for Injection. In healthy adults, after infusion of 1 g i.v. radiolabeled ertapenem, the plasma radioactivity consists predominantly (94%) of ertapenem. The major metabolite of ertapenem is the inactive ring-opened derivative formed by hydrolysis of the beta-lactam ring.

8.5 Patients with Hepatic Impairment

The pharmacokinetics of ertapenem in patients with hepatic impairment have not been established. Of the total number of patients in clinical trials, 37 patients receiving ertapenem 1 g daily and 36 patients receiving comparator drugs were considered to have Child-Pugh Class A, B, or C liver impairment. The incidence of adverse experiences in patients with hepatic impairment was similar between the ertapenem group and the comparator groups.

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8.10 Patients Receiving Ertapenem for Injection as Treatment-Beginning

Laboratory adverse experiences that were reported during therapy in > 2% of pediatric patients treated with Ertapenem for injection in clinical trials include: increases in serum creatinine, serum glucose, BUN, total, direct and indirect serum bilirubin, serum sodium and potassium, and platelet count. Increases in serum potassium, serum albumin, WBC, platelet count, and segmented neutrophils.

In a clinical trial for the treatment of diabetic foot infections in which 289 adult diabetic patients were treated with Ertapenem for injection, the laboratory adverse experience profile was generally similar to that seen in previous clinical trials.

Prophylaxis of Surgical Site Infection following Elective Colorectal Surgery

In a clinical trial in adults for the prophylaxis of surgical site infection following elective colorectal surgery in which 476 patients received a single dose of Ertapenem for injection 1 hour prior to surgery and were then followed for safety 14 days post surgery, the overall laboratory adverse experience profile was generally comparable to that observed for Ertapenem for injection in previous clinical trials.

Pediatric Patients Receiving Ertapenem for Injection as Treatment-Beginning

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8.11 Patients Treated With Ertapenem for Injection as Treatment-Beginning

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