HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use OXALIPLATIN INJECTION
safely and effectively. See full prescribing information for OXALIPLATIN INJECTION.
OXALIPLATI

WARNING: HYPERSENSITIVITY REACTIONS, INCLUDING ANAPHYLAXIS
See full prescribing information for complete boxed warning.
Serious and fatal hypersensitivity adverse reactions, including anaphylaxis, can occur
with oxaliplatin within minutes of administration and during any cycle. Oxaliplatin is
contraindicated in patients with hypersensitivity reactions to oxaliplatin and other
platinum-based drugs.
Immediately and permanently discontinue oxaliplatin for hypersensitivity reactions and
administer appropriate treatment. (4, 5.1)

.....INDICATIONS AND USAGE

Oxaliplatin injection is a platinum-based drug used in combination with infusional fluorouracil and leucovorin, which is indicated for: adjuvant treatment of stage ill colon cancer in patients who have undergone complete resection of the primary tumor. (1) - treatment of advanced colorectal cancer. (1)

... DOSAGE AND ADMINISTRATION ...

- Administer oxaliplatin injection 85 mg/m² as an intravenous infusion over 120 minutes concurrently with leucovorin over 120 minutes in separate bags, followed by fluorouracil on Day 1 of each 14-day cycle. Administer fluorouracil and leucovorin on Day 2 as recommended. (2.1)

 Adjuvant Teartment, Continue treatment for up to 12 cycles or unacceptable toxicity. (2.1)

 Adjuvant Teartment, Continue treatment until disease progression or unacceptable toxicity. (2.1)

... DOSAGE FORMS AND STRENGTHS --

Injection: 50 mg/10 mL (5 mg/mL) or 100 mg/20 mL (5 mg/mL) in a single-dose vial (3)

CONTRAINDICATIONS

- History of hypersensitivity reaction to oxaliplatin or other platinum-based drugs. (4, 5.1)

 WARNINGS AND PRECAUTIONS
- ***MARTINOS AND PRECAUTIONS**

 ***Peripheral Sensory Neuropathy. Acute and delayed neuropathy can occur. Avoid topical application of ice. Reduce the dose or permanently discontinue oxaliplatin as recommended. (5.2)

 **Sexere Myelosuppression:Delay oxaliplatin until neutrophils are greater than or equal to 15. × 10.9 ft. Withhold oxaliplatin for sepses or septic shock. Dose reduce after recovery from grade 4 neutropenia, febrile neutropenia, or grade 3-4 thrombocytopenia as recommended. (5.3)

 **Posterior.Reversible Encephalopathy Syndrome (PRES):Permanently discontinue oxaliplatin in patients who develop PRES. (5.4)

 **Pulmonary Toxichy: Withhold oxaliplatin until investigation excludes interstitial lung disease or pulmonary fitrosis. (5.5)

- brosis. (5.5) <u>Hepattoxicity</u>: Monitor liver function tests at baseline, before each subsequent cycle, and as clinically dicated. (5.6)

- indicated. (5.5)

 Of Interval Prolongation: Avoid in patients with congenital long OT syndrome. Monitor electrocardiograms in patients with congestive hearf aliure, bradyarrhythmias, and electrolyte electrocardiograms in patients taking drugs known to prolong the OT interval. Correct electrolyte abnormalities, and in patients taking drugs known to prolong the OT interval. Correct electrolyte abnormalities prior to initiating oxaliplatin and periodically during treatment. (5.7)

 Bhabdomyolosis; Permanently discontinue oxaliplatin (irrabodromyolysis occurs. (5.8)

 Hemorrhage:hcrease frequency of monitoring in patients who are receiving oxaliplatin with Intoruscalible.com and oral articoagulants of side preparant women of the potential risk to a fetus. Advise males and females of reproductive potential to use an effective method of contraception. (5.10, 8.1, 8.3)

..... ADVERSE REACTIONS

Most common adverse reactions (incidence greater than or equal to 40%) were peripheral sensory neuropathy, neutropenia, thrombocytopenia, anemia, nausea, increase in transaminases and alkaline phosphatase, diarrhea, emes

- <u>Females</u>: Advise female patients of reproductive potential to use effective contraception while receiving oxaliplatin and for 9 months after the final dose. (8.3)
 <u>Males</u>: Based on its mechanism action as a genotoxic drug, advise males with female partners of reproductive potential to use effective contraception while receiving oxaliplatin and for 6 months after the final dose (see Monclinical Toxicology (13.1)).

See 17 for PATIENT COUNSELING INFORMATION.

Revised: 6/2025

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FULL PRESCRIBING INFORMATION

WARNING: HYPERSENSITIVITY REACTIONS, INCLUDING ANAPHYLAXIS

Serious and fatal hypersensitivity adverse reactions, including anaphylaxis, can occur with oxaliplatin within minutes of administration and during any cycle. Oxaliplatin is contraindicated in patients with hypersensitivity reactions to oxaliplatin and other platinum-based drugs [see Contraindications (4)]. Immediately and permanently discontinue oxaliplatin for hypersensitivity reactions and administer appropriate treatment for management of the hypersensitivity reaction [see Warnings and Precautions (5.1)].

1 INDICATIONS AND USAGE

Oxaliplatin injection, in combination with infusional fluorouracil and leucovorin, is

- adjuvant treatment of stage III colon cancer in patients who have undergone complete
- resection of the primary tumor.

 treatment of advanced colorectal cancer.

2 DOSAGE AND ADMINISTRATION

2.1 Recommended Dosage

Administer oxaliplatin injection in combination with fluorouracil and leucovorin every 2 weeks.
• For adjuvant treatment, continue treatment for up to 12 cycles or unacceptable

- · For advanced colorectal cancer, continue treatment until disease progression or unacceptable toxicity.

Day 1 Administer oxaliplatin injection 85 mg/m 2 as an intravenous infusion over 120 minutes and leucovorin 200 mg/m 2 as an intravenous infusion over 120 minutes at the same time in separate bags, followed by fluorouracil 400 mg/m 2 as intravenous bolus over 2-4 minutes, followed by fluorouracil 600 mg/m ²as a 22-hour continuous infusion.

2.2 Dose Modifications for Adverse Reactions

Prolongation of infusion time for oxaliplatin injection from 2 hours to 6 hours may mitigate acute toxicities, such as non-life-threatening infusion-related reactions. Permanently discontinue oxaliplatin injection for any of the following:

• Hypersensitivity Reactions [see Warnings and Precautions (5.1)]

• Posterior reversible encephalopathy syndrome (PRES) [see Warnings and Precautions (5.4)]

- Confirmed interstitial lung disease or pulmonary fibrosis [see Warnings and

Precautions (3.3)

• Rhabdomyolysis [see Warnings and Precautions (5.8)]

Refer to the fluorouracil and leucovorin prescribing information for dosage modifications for adverse reactions.

<u>Dosage Modifications for Adjuvant Treatment</u> Dosage modifications for adverse reactions for adjuvant treatment are presented in Table 1.

Table 1: Dosage Modifications for Adjuvant Treatment in Patients with Stage III Colon Cancer

Adverse Reactions	Severity	Oxaliplatin Injection Dosage Modifications				
Peripheral Concern Neuropathy	Persistent Grade 2	Consider reducing oxaliplatin injection dose to 75 mg/m ² .				
Peripheral Sensory Neuropath see Warnings and Precautions (5.2	Persistent Grade 3	Consider discontinuing oxaliplatin injection.				
[See Warnings and Frecautions (3.2)]	Grade 4	Discontinue oxaliplatin injection.				
Myelosuppression [see Warnings and Precautions (5.3),	Grade 4 neutropenia or	Delay the next dose until neutrophils greater than or equal to $1.5 \times 10^9 \text{/L}$ and platelets greater than or equal to $75 \times 10^9 \text{/L}$. Reduce oxaliplatin injection dose to 75 mg/m 2 .				
Gastrointestinal Adverse Reactions [see Adverse Reactions (6.1)]	Grade 3 to 4	After recovery, reduce oxaliplatin injection dose to 75 mg/m ² along with a dose reduction of fluorouracil to 300 mg/m ² as ar intravenous bolus and 500 mg/m ² as a 22-hour continuous infusion.				

Dosage Modifications for Advanced Colorectal Cancer

Dosage modifications for adverse reactions for advanced colorectal cancer are

presented in Table 2.

Table 2: Dosage Modifications for Advanced Colorectal Cancer

Adverse Reactions		Oxaliplatin Modifications	Injection	Dosage
Neuropathy [see Warnings and Precautions (5.2)]	Persistent Grade 2	Consider reducing 65 mg/m ² .	oxaliplatin injection	n dose to
	Persistent Grade 3	Consider discontin	uing oxaliplatin inje	ction.
		Discontinue oxalipl		
	Grade 4 neutropenia or			
Myelosuppression		than or equal to		platelets
[see Warnings and Precautions (5.3),	Grade 3 to 4	greater than or eq	ual to 75 \times 10 $^{9}/L$.	
Adverse Reactions (6.1)]	thrombocytopenia			
		Reduce oxaliplatin 2.	injection dose to	65 mg/m
		After recovery, r	educe oxaliplatin	injection
Gastrointestinal Adverse Reactions		dose to 65 mg/m 2	along with a dose	reduction
[see Adverse Reactions (6.1)]	Grade 3 to 4	of fluorouracil		
		intravenous bolus	and 500 mg/m ²	as a 22-
		hour continuous in	fusion .	

2.3 Dose Modifications for Patients with Renal Impairment

In patients with severe renal impairment (creatinine clearance [CLcr] less than 30 mL/min, calculated by the Cockcroft-Gault equation), reduce the oxaliplatin injection dose to 65 mg/m 2 [see *Use in Specific Populations (8.6), Clinical Pharmacology (12.3)*].

2.4 Preparation and Administration

- \bullet Oxaliplatin injection is a cytotoxic drug. Follow applicable special handling and disposal procedures. 1
- Do not freeze
- Protect the concentrated solution from light.
 Dilute concentrated solution with 250 to 500 mL of 5% Dextrose Injection, USP. Do

not dilute with sodium chloride solution or other chloride-containing

- not dilute with 3000000.

 Store diluted solution for no more than 6 hours at room temperature (20°C to 25°C [68°F to 77°F]) or 24 hours under refrigeration (2°C to 8°C [36°F to 46°F]). Protection
- from light is not required.

 Visually inspect for particulate matter and discoloration prior to administration and
- Visually inspect for particulate matter and discontration prior to administration and discard if present.
 Do not mix oxaliplatin injection or administer oxaliplatin injection through the same infusion line concurrently with alkaline medications or media (such as basic solutions of fluorouracil).
- Flush the infusion line with 5% Dextrose Injection, USP prior to administration of any
- Trust the initiation line with 3% bextrose injection, ose prior to administration of any concomitant medication.
 Do not use needles or intravenous administration sets containing aluminum parts for the preparation or mixing of oxaliplatin injection. Aluminum has been reported to cause
- degradation of platinum compounds.

 Administer oxaliplatin injection as an intravenous infusion over 120 minutes concurrently with leucovorin over 120 minutes in separate bags.

3 DOSAGE FORMS AND STRENGTHS

Oxaliplatin injection, USP: 50 mg/10 mL (5 mg/mL) or 100 mg/20 mL (5 mg/mL) sterile, clear, colorless solution in a single-dose vial

4 CONTRAINDICATIONS

Oxaliplatin is contraindicated in patients with a history of a hypersensitivity reaction to oxaliplatin or other platinum-based drugs. Reactions have included anaphylaxis [see Warnings and Precautions (5.1)].

5 WARNINGS AND PRECAUTIONS

5.1 Hypersensitivity Reactions

Serious and fatal hypersensitivity reactions, including anaphylaxis, can occur with oxaliplatin within minutes of administration and during any cycle. Grade 3-4 hypersensitivity reactions, including anaphylaxis, occurred in 2% to 3% of patients with colon cancer who received oxaliplatin. Hypersensitivity reactions, including rash, urticaria, erythema, pruritus, and rarely, bronchospasm and hypotension, were similar in nature and severity to those reported with other platinum-based drugs.

Oxaliplatin is contraindicated in patients with hypersensitivity reactions to platinum-based drugs [see Contraindications (4]]. Immediately and permanently discontinue oxaliplatin for hypersensitivity reactions and administer appropriate treatment for management of for hypersensitivity reactions and administer appropriate treatment for management of hypersensitivity reactions.

5.2 Peripheral Sensory Neuropathy

Oxaliplatin can cause acute and delayed neuropathy. Reduce the dose or permanently discontinue oxaliplatin for persistent neurosensory reactions based on the severity of the adverse reaction [see Dosage and Administration (2.2)]. Acute Neuropathy

Acute Neuropathy
Acute neuropathy typically presents as a reversible, primarily peripheral sensory
neuropathy that occurs within hours or 2 days following a dose, resolves within 14
days, and frequently recurs with further dosing. The symptoms can be precipitated or
exacerbated by exposure to cold temperature or cold objects and they usually present
as transient paresthesia, dysesthesia and hypoesthesia in the hands, feet, perioral area,
or throat. Jaw spam, abnormal tongue sensation, dysarthria, eye pain, and a feeling of
chest pressure have also been observed. The acute, reversible pattern of sensory
neuropathy was observed in about 56% of patients who received oxalipatin with
fluorouse in the payonathy of the payonathy occurred in fleuroparty was observed in about 50% of patients win retevied oxalipatin win fluorouracil/leucovorin. In any individual cycle, acute neuropathy occurred in approximately 30% of patients. For grade 3 peripheral sensory neuropathy, the median time to onset was 9 cycles for adjuvant treatment and 6 cycles for previously treated advanced colorectal cancer.

An acute syndrome of pharyngolaryngeal dysesthesia occurred in 1% to 2% (grade 3-4) of patients previously untreated for advanced colorectal cancer. Subjective sensations

of dysphagia or dyspnea, without any laryngospasm or bronchospasm (no stridor or wheezing) occurred in patients previously treated for advanced colorectal cancer. Avoid topical application of ice for mucositis prophylaxis or other conditions, because cold temperature can exacerbate acute neurological symptoms.

<u>Delayed Neuropathy</u>

Delayed neuropathy typically presents as a persistent (greater than 14 days), primarily Delayed neuropathy typically presents as a persistent (greater than 14 days), primarily peripheral sensory neuropathy that is usually characterized by paresthesias, dysesthesias, and hypoesthesias, but may also include deficits in proprioception that can interfere with daily activities (e.g., writing, buttoning, swallowing, and difficulty walking from impaired proprioception). These forms of neuropathy occurred in 48% of patients receiving oxaliplatin. Delayed neuropathy can occur without any prior acute neuropathy. Most patients (80%) who developed grade 3 persistent neuropathy progressed from prior grade 1 or 2 reactions. These symptoms may improve in some patients upon discontinuation of oxaliplatin.

Adjuvant treatment
In the adjuvant treatment trial, neuropathy was graded using NCI CTC, version 1 as summarized in Table 3.

Table 3: Grading for Neuropathy in Adjuvant Treatment Trial

Grade	Definition
0	No change or none
1	Mild paresthesias, loss of deep tendon reflexes
2	Mild or moderate objective sensory loss, moderate paresthesias
3	Severe objective sensory loss or paresthesias that interfere with function
4	Not applicable

Peripheral sensory neuropathy occurred in 92% of patients (all grades), including 13% Perpineral sensory neuropathy occurred in 92% or patients (all grades), including 134 of patients (grade 3) who received oxaliplatin with fluorouraciflyecovorin. At the 28-day follow-up after the last treatment cycle, 60% of patients had any grade (grade 1=40%, grade 2=16%, grade 3=5%) peripheral sensory neuropathy, decreasing to 39% at 6 months of follow-up (grade 1=31%, grade 2=7%, grade 3=1%) and 21% at 18 months of follow-up (grade 1=17%, grade 2=3%, grade 3=1%). Advanced colorectal cancer

In the advanced colorectal cancer trials, neuropathy was graded using the neurotoxicity

scale summarized in Table 4.

Table 4: Grading for Neuropathy in Advanced Colorectal Cancer Trials

Grade	Definition
1	Resolved and did not interfere with functioning
2	Interfered with function but not daily activities
3	Pain or functional impairment that interfered with daily activities
4	Persistent impairment that is disabling or life-threatening

Neuropathy occurred in 82% (all grades) of patients previously untreated for advanced colorectal cancer, including 19% grade 3-4; and in 74% (all grades) of patients previously treated for advanced colorectal cancer, including 7% grade 3-4.

5.3 Severe Myelosuppression

Grade 3 or 4 neutropenia occurred in 41% to 44% of patients with colorectal cancer who received oxaliplatin with fluorouracil/leucovorin. Sepsis, neutropenic sepsis and septic shock, including fatal outcomes, occurred in patients who received oxaliplatin /see

Adverse Reactions (6.1, 6.2)].
Grade 3 or 4 thrombocytopenia occurred in 2% to 5% of patients with colorectal cancer who received oxaliplatin with fluorouracil/leucovorin.
Monitor complete blood cell count at baseline, before each subsequent cycle and as

Monitor complete blood cell count at baseline, before each subsequent cycle and as clinically indicated. Delay oxaliplatin until neutrophils are greater than or equal to 1.5×10^9 /L and platelets are greater than or equal to 7.5×10^9 /L. Withhold oxaliplatin for sepsis or septic shock. Dose reduce oxaliplatin after recovery from grade 4 neutropenia, febrile neutropenia or grade 3-4 thrombocytopenia as recommended [see Dosage and Administration (2.2)].

5.4 Posterior Reversible Encephalopathy Syndrome

PRES occurred in less than 0.1% of patients across clinical trials [see Adverse Reactions (6.1)]. Signs and symptoms of PRES can include headache, altered mental functioning, seizures, abnormal vision from blurriness to bilindness, associated or not with hypertension. Confirm the diagnosis of PRES with magnetic resonance imaging. Permanently discontinue oxaliplatin in patients who develop PRES.

5.5 Pulmonary Toxicity

Oxaliplatin has been associated with pulmonary fibrosis (less than 1% of patients), which may be fatal [see Adverse Reactions (6.1)]. In the adjuvant treatment trial, the combined incidence of cough and dyspnea was 7.4% (any grade), including less than 1% (grade 3) in the oxaliplatin arm. One patient died from eosinophilic pneumonia in the oxaliplatin arm.

from eosinophilic pneumonia in the oxaliplatin arm. In the previously untreated advanced colorectal cancer trial, the combined incidence of cough, dyspnea, and hypoxia was 43% (any grade), including 7% (grade 3-4) in the oxaliplatin with fluorouracil/leucovorin arm. In case of unexplained respiratory symptoms, such as non-productive cough, dyspnea, crackles, or radiological pulmonary infiltrates, withhold oxaliplatin until further pulmonary investigation excludes interstitial lung disease or pulmonary fibrosis. Permanently discontinue oxaliplatin for confirmed interstitial lung disease or pulmonary fibrosis.

In the adjuvant treatment trial, increased transaminases (57% vs 34%) and alkaline In the adjuvant treatment trial, increased transaminases (5 1% vs 34%) and alkaline phosphatase (42% vs 20%) occurred more commonly in the oxaliplatin arm than in the fluorouracil/leucovorin arm [see Adverse Reactions (6.1)]. The incidence of increased bilirubin was similar on both arms. Changes noted on liver biopsies include: peliosis, nodular regenerative hyperplasia or sinusoidal alterations, persinusoidal fibrosis, and veno-occlusive lesions.

Consider evaluating patients who develop abnormal liver tests or portal hypertension, which cannot be explained by liver metastases, for hepatic vascular disorders. Monitor liver function tests at baseline, before each subsequent cycle, and as clinically indicated.

5.7 QT Interval Prolongation and Ventricular Arrhythmias

QT prolongation and ventricular arrhythmias, including fatal torsade de pointes, have been reported with oxaliplatin [see Adverse Reactions (6.2)]. Avoid oxaliplatin in patients with congenital long QT syndrome. Monitor electrocardiograms (ECG) in patients with congestive heart failure, bradyarrhythmias, and electrolyte abnormalities and in patients taking drugs known to prolong the QT interval, including Class I and III antairrhythmics [see Drug Interactions (7.1)]. Monitor and correct electrolyte abnormalities prior to initiating oxaliplatin and periodically during treatment

5.8 Rhabdomyolysis

Rhabdomyolysis, including fatal cases, has been reported with oxaliplatin [see Adverse Reactions (6.2)]. Permanently discontinue oxaliplatin for any signs or symptoms of rhabdomyolysis.

5.9 Hemorrhage

The incidence of hemorrhage in clinical trials was higher on the oxaliplatin combination arm compared to the fluorouracil/leucovorin arm. These reactions included gastrointestinal bleeding, hematuria, and epistaxis. In the adjuvant treatment trial, 2 patients died from intracerebral hemorrhage (see Adverse Reactions (6.1)). Prolonged prothrombin time and INR occasionally associated with hemorrhage have been reported in patients who received oxaliplatin with fluorouracil/leucovorin while on anticoagulants (see Adverse Reactions (6.2)). Increase frequency of monitoring in patients who are receiving oxaliplatin with fluorouracil/leucovorin and oral anticoagulants (see Drug Interactions (7.3)).

Thrombocytopenia and immune-mediated thrombocytopenia have been observed with oxaliplatin. Rapid onset of thrombocytopenia and greater risk of bleeding have been observed in immune-mediated thrombocytopenia. In this case, consider discontinuing

5.10 Embryo-Fetal Toxicity

Based on findings from animal studies and its mechanism of action, oxaliplatin can cause fetal harm when administered to a pregnant woman. The available human data do not establish the presence or absence of major birth defects or miscarriage related to the use of oxaliplatin. Reproductive toxicity studies demonstrated adverse effects on embryo-fetal development in rats at maternal doses that were below the recommended

human dose based on body surface area.

Advise pregnant women of the potential risk to a fetus. Advise females of reproductive potential to use effective contraception during treatment with oxaliplatin and for 9 months after the final dose. Advise males with female partners of reproductive potential to use effective contraception during treatment with oxaliplatin and for 6 months after the final dose [see Use in Specific Populations (8.1, 8.3)].

6 ADVERSE REACTIONS

- The following clinically significant adverse reactions are described elsewhere in labeling:

 Hypersensitivity Reactions [see Warnings and Precautions (5.1)]

 Peripheral Sensory Neuropathy [see Warnings and Precautions (5.2)]

 Severe Myelosuppression [see Warnings and Precautions (5.3)]

 Reversible Posterior Leukoencephalopathy Syndrome [see Warnings and Precautions (
- 5.4)]
 Pulmonary Toxicity [see Warnings and Precautions (5.5)]
 Hepatotoxicity [see Warnings and Precautions (5.6)]
 OT Interval Prolongation and Ventricular Arrhythmias [see Warnings and Precautions (5.7)]
 Rhabdomyolysis [see Warnings and Precautions (5.8)]
 Hemorrhage [see Warnings and Precautions (5.9)]

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the rates to betweet in the clinical trais or a drug cannot be qurectly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice. More than 1100 patients with stage II or III colon cancer and more than 4,000 patients with advanced colorectal cancer were treated in trials with oxalplatin. The most common adverse reactions in patients with stage II or III colon cancer receiving adjuvant treatment were peripheral sensory neuropathy, neutropenia, thrombocytopenia, anemia, nausea, increase in transaminases and alkaline phosphatase, diarrhea, emesis, fatigue nausea, increase in u ansaminases and aikaime phosphatase, diarrnea, emesis, fatigue and stomatifis. The most common adverse reactions in previously untreated and treated patients with advanced colorectal cancer were peripheral sensory neuropathies, fatigue, neutropenia, nausea, emesis, and diarrhea.

Adjuvant Treatment

The safety of oxaliplatin in combination with fluorouracii (FU)/leucovorin (LV) was

evaluated in patients with stage II or III colon cancer, who had undergone complete resection of the primary tumor in the adjuvant treatment trial [see Clinical Studies (14.1)].

Fatal adverse reactions in patients who received oxaliplatin in the combination arm included sepsis/neutropenic sepsis (n=3), intracerebral hemorrhage (n=2), and eosinophilic pneumonia (n=1).

Thromboembolic events occurred in 6% (grade 3-4, 1.2%) of patients in the oxaliplatin

arm. Grade 3 or 4 adverse reactions occurred in 70% of patients in the oxaliplatin arm. Grade 3 or 4 adverse reactions occurred in 0.2% of patients. Febrile neutropenia occurred in 0.7% and documented infection with concomitant grade 3-4 neutropenia occurred in 1.1%.

Discontinuation due to an adverse reaction occurred in 15% of the patients in the oxaliplatin arm.

oxaliplatin arm. Tables 5, 6, and 7 summarize the adverse reactions reported in patients with colon

cancer receiving adjuvant treatment.

Table 5: Adverse Reactions Reported in Patients with Colon Cancer Receiving Adjuvant Treatment (greater than or equal to 5% of all patients and with greater than or equal to 1% grade 3-4)

Adverse Reaction*	Oxaliplatin + FU/LV N=1108	2	FU/LV N=1111		
	All Grades (%)	Grade 3-4		Grade 3-4 (%)	
Neurology			I		
Peripheral Sensory Neuropathy	92	12	16	<1	
Gastrointestinal					
Nausea	74	5	61	2	
Diarrhea	56	11	48	7	
Vomiting	47	6	24	1	
Stomatitis	42	3	40	2	
Anorexia	13	1	8	<1	
Constitutional Symptoms/F	Pain				
Fatigue	44	4	38	1	
Abdominal Pain	18	1	17	2	
Dermatology/Skin		I.			
Skin Disorder	32	2	36	2	
Injection Site Reaction †	11	3	10	3	
Fever/Infection					
Fever	27	1	12	1	
Infection	25	4	25	3	
Allergy/Immunology	I.	I.	I		
Allergic Reaction	10	3	2	<1	

* Event coded in WHO-ART dictionary
†Includes thrombosis related to the catheter
Table 6: Adverse Reactions Reported in Patients with Colon Cancer Receiving
Adjuvant Treatment (greater than or equal to 5% of all patients but with less
than 1% grade 3-4)

Adverse Reaction*	Oxaliplatin + FU/LV N=1108	FU/LV N=1111
	All Grades (%)	All Grades (%)
Dermatology/Skin		
Alopecia †	30	28
Gastrointestinal		
Constipation	22	19
Taste Perversion	12	8
Dyspepsia	8	5
Constitutional Symptoms/P	ain/Ocular/Visual	<u> </u>
Epistaxis	16	12
Weight Increase	10	10
Conjunctivitis	9	15
Headache	7	5
Dyspnea	5	3
Pain	5	5
Abnormal Lacrimation	4	12
Neurology		1
Sensory Disturbance	8	1
Allergy/Immunology		
Rhinitis	6	8

^{*} Event coded in WHO-ART dictionary

* Event coded in WHO-ART dictionary

*No complete alopecia was reported.

In females, the following grade 3-4 adverse reactions were more frequent: diarrhea,
fatigue, neutropenia, nausea, and vomiting.

In patients greater than or equal to 65 years old, the incidence of grade 3-4 diarrhea and
neutropenia was higher than in younger adults.

Clinically relevant adverse reactions were reported in greater than or equal to 2% and
less than 5% of the patients in the oxaliplatin arm (listed in decreasing order of
frequency) were pain, leukopenia, weight loss, and cough.

Table 7: Laboratory-Related Adverse Reactions Occurring in ≥5% of Patients
with Colon Cancer Receiving Adjuvant Treatment

Laboratory-Related Adverse Reaction	Oxaliplatin wi		FU/LV N=1111	
	All Grades (%)	Grades 3-4 (%)	All Grades (%)	Grades 3-4 (%)
Hematology				
Neutropenia	79	41	40	5
Thrombocytopenia	77	2	19	<1
Anemia	76	1	67	<1
Hepatic			•	
Increased Transaminases	57	2	34	1
Increased Alkaline Phosphatase	42	<1	20	<1
Hyperbilirubinemia	20	4	20	5

Previously Untreated Advanced Colorectal Cancer
The safety of oxaliplatin in combination with fluorouracil (FU)/leucovorin (LV) was evaluated in a randomized trial of patients with previously untreated advanced colorectal cancer [see Chincal Studies (14.2)]. The adverse reaction profile in this trial was similar to that seen in other trials.

Tables 8, 9, and 10 summarize the adverse reactions reported in the previously untreated advanced colorectal cancer trial.

Table 8: Adverse Reactions Reported in Patients in the Previously Untreated Advanced Colorectal Cancer Clinical Trial (greater than or equal to 5% of all patients and with greater than or equal to 1% grade 3-4)

All Grades Grad		Grades 3-4 (%)	69 62 28 9 1 1 83 76 64 19 27	Grades 3-4 (%) 7 6 1 0 19 25 23
Neuropathy 82 19 Paresthesias 77 18 Pharyngo- aryngeal Dysesthesias 38 2 Neuro-sensory 12 1 Neuro NOS † 1 0 Gastrointestinal Nausea 71 6 Diarrhea 56 12 Vomiting 41 4 Stomatitis 38 0 Anorexia 35 2 Constipation 32 4	16 1 2 1 67 65 43 25 25 27	2 0 0 0 0 15 29 13 1	62 28 9 1 83 76 64	6 1 1 0 19 25 23
Paresthesias 77 18 Pharyngo- aryngeal Dysesthesias 38 2 Neuro-sensory 12 1 Neuro NOS † 1 0 Gastrointestinal 71 6 Diarrhea 56 12 Vomiting 41 4 Stomatitis 38 0 Anorexia 35 2 Constipation 32 4	16 1 2 1 67 65 43 25 25 27	2 0 0 0 0 15 29 13 1	62 28 9 1 83 76 64	6 1 1 0 19 25 23
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Neuro-sensory 12 1 Neuro NOS † 1 0 Gastrointestinal 71 6 Diarrhea 56 12 Vomiting 41 4 Stomatitis 38 0 Anorexia 35 2 Constipation 32 4	1 67 65 43 25 25 27	0 15 29 13 1 4	1 83 76 64 19	0 19 25 23
Neuro NOS† 1 0 Gastrointestinal 71 6 Diarrhea 56 12 Vomiting 41 4 Stomatitis 38 0 Anorexia 35 2 Constipation 32 4	1 67 65 43 25 25 27	0 15 29 13 1 4	83 76 64 19	0 19 25 23
Gastrointestinal Nausea 71 6 Diarrhea 56 12 Vomiting 41 4 Stomatitis 38 0 Anorexia 35 2 Constipation 32 4	67 65 43 25 25 27	15 29 13 1	83 76 64 19	19 25 23
Nausea 71 6 Diarrhea 56 12 Vomiting 41 4 Stomatitis 38 0 Anorexia 35 2 Constipation 32 4	65 43 25 25 27	29 13 1 4	76 64 19	25 23
Diarrhea 56 12 Vomiting 41 4 Stomatitis 38 0 Anorexia 35 2 Constipation 32 4	65 43 25 25 27	29 13 1 4	76 64 19	25 23
Vomiting 41 4 Stomatitis 38 0 Anorexia 35 2 Constipation 32 4	43 25 25 27	13	64	23
Stomatitis 38 0	25 25 27	1 4	19	
Anorexia 35 2 Constipation 32 4	25 27	4		
Constipation 32 4	27		21	5
·			21	2
	10	7	16	3
Gastrointestinal NOS 5 2	4	2	3	2
Constitutional Symptoms/Pain/Ocular	/Visual			
Fatigue 70 7	58	11	66	16
Abdominal Pain 29 8	31	7	39	10
Myalgia 14 2	6	0	9	2
Pain 7 1	5	1	6	1
Abnormal Vision 5 0	2	1	6	1
Neuralgia 5 0	0	0	2	1
Pulmonary				
Cough 35 1	25	2	17	1
Dyspnea 18 7	14	3	11	2
Hiccups 5 1	2	0	3	2
Hepatic/Metabolic/Laboratory/Renal				
Hyperglycemia 14 2	11	3	12	3
Hypokalemia 11 3	7	4	6	2
Dehydration 9 5	16	11	14	7
Hypoalbuminemia 8 0	5	2	9	1
Hyponatremia 8 2	7	4	4	1
Urinary Frequency 5 1	2	1	3	1
Hematology/Infection				
Infection Normal ANC 10 4	5	1	7	2
Infection Low ANC ‡ 8 8	12	11	9	8
Lymphopenia 6 2	4	1	5	2
Febrile Neutropenia 4 4	15	14	12	11
Dermatology/Skin		1		l .
Hand/Foot Syndrome 7 1	2	1	1	0

Injection Site Reaction	6	0	1	0	4	1
Cardiovascular						
Thrombosis	6	5	6	6	3	3
Hypotension	5	3	6	3	4	3

^{*} Event coded in WHO-ART dictionary

†Not otherwise specified

†Absolute neutrophil count

Table 9: Adverse Reactions Reported in Patients in the Previously Untreated

Advanced Colorectal Cancer Clinical Trial (greater than or equal to 5% of all

patients but with less than 1% grade 3-4)

Adverse Reaction*	Oxaliplatin + 5-FU/LV N=259	Irinotecan + 5-FU/LV N=256	Oxaliplatin + Irinotecan N=258
•	All Grades (%)	All Grades (%)	All Grades (%)
Dermatology/Skin			
Alopecia †	38	44	67
Flushing	7	2	5
Pruritus	6	4	2
Dry Skin	6	2	5
Hematology/Infection			
Fever Normal ANC ‡	16	9	9
Cardiovascular			
Edema	15	13	10
Gastrointestinal Taste Perversion	14	6	8
Dyspepsia	12	7	5
Flatulence	9	6	5
Mouth Dryness	5	2	3
Constitutional Sym	ptoms/Pain/Ocular/	Visual	
Headache	13	6	9
Weight Loss	11	9	11
Epistaxis	10	2	2
Tearing	9	1	2
Rigors	8	2	7
Dysphasia	5	3	3
Sweating	5	6	12
Arthralgia	5	5	8
Neurology			
Insomnia	13	9	11
Depression	9	5	7
Dizziness	8	6	10
Anxiety	5	2	6
Allergy/Immunology	1	I.	I.
Rash	11	4	7
Rhinitis Allergic	10	6	6
Hepatic/Metabolic/L	aboratory/Renal	I	I
Hypocalcemia	7	5	4
Elevated Creatinine	4	4	5

*Event coded in WHO-ART dictionary

†No complete alopecia was reported.

‡Absolute neutrophil count

Clinically relevant adverse reactions that occurred in greater than or equal to 2% and less than 5% of the patients in the oxaliplatin and fluorouracil/leucovorin combination arm (listed in decreasing order of frequency) were: metabolic, pneumonitis, catheter infection, vertigo, prothrombin time, pulmonary, rectal bleeding, dysuria, nail changes, chest pain, rectal pain, syncope, hypertension, hypoxia, unknown infection, bone pain, pigmentation changes, and urticaria.

Table 10: Laboratory-Related Adverse Reactions Occurring in ≥5% of Patients in the Previously Untreated Advanced Colorectal Cancer Trial

Laboratory- Related Adverse Reaction	Oxaliplatinand FU/LV N=259		Irinotecan and FU/LV N=256		Oxaliplatin and Irinotecan N=258	
	All Grades (%)	Grades 3-4 (%)	All Grades (%)	Grades 3-4 (%)	All Grades (%)	Grades 3-4 (%)
Hematology	1					1
Leukopenia	85	20	84	23	76	24
Neutropenia	81	53	77	44	71	36
Thrombocytopenia	71	5	26	2	44	4
Anemia	27	3	28	4	25	3
Hepatic	ı	I	1	ı	1	1
Increased AST*	17	1	2	1	11	1

Increased Alkaline Phosphatase	16	0	8	0	14	2
Hyperbilirubinemia	6	1	3	1	3	2
Increased ALT †	6	1	2	0	5	2

* Aspartate transaminase
†Alanine transaminase
Previously Treated Advanced Colorectal Cancer
The safety of oxaliplatin in combination with fluorouracil (FU)/leucovorin (LV) was
evaluated in a randomized trial in patients with refractory and relapsed colorectal cancer
[see Clinical Studies (14.3)]. The adverse reaction profile in this trial was similar to that

[See Clinical Studies (14.3)]. The duverse reaction prome in this train has summed to this seen in other trials. Three patients who received oxaliplatin in the combination arm experienced fatal adverse reactions: gastrointestinal bleeding and dehydration. Grade 3 and 4 neutropenia were reported in 27% and 17% of patients, respectively, in the oxaliplatin with fluorouracil/leucovorin combination arm. Grade 3-4 increased serum creatinine occurred in 1% of patients in the oxaliplatin with combination

creatinine occurred in 1% of patients in the oxaliplatin with combination fluorouracilyleucovorin arm. Thirteen percent of patients in the oxaliplatin with fluorouracilyleucovorin combination arm discontinued treatment; the most frequent reasons were gastrointestinal adverse reactions, hematologic adverse reactions and neuropathies. Tables 11, 12, and 13 summarize the adverse reactions reported in the previously treated advanced colorectal cancer trial.

Table 11: Adverse Reactions Reported in Patients in the Previously Treated Advanced Colorectal Cancer Trial (greater than or equal to 5% of all patients and with greater than or equal to 1% grade 3-4)

Adverse Reaction*	Oxalipla FU/L N=15	V	Oxa N=	Oxaliplatin N=153		FU/LV N=142	
	All Grades (%)	Grades 3-4 (%)	All Grades (%)Grades 3-4 (%)	All Grades (%)Grades 3-4 (%)	
Neurology							
Neuropathy	74	7	76	7	17	0	
Acute	56	2	65	5	10	0	
Persistent	48	6	43	3	9	0	
Constitutional Symptoms	/Dain						
Fatique	68	7	61	9	52	6	
•							
Back Pain	19	3	11	0	16	4	
Pain	15	2	14	3	9	3	
Gastrointestinal							
Diarrhea	67	11	46	4	44	3	
Nausea	65	11	64	4	59	4	
Vomiting	40	9	37	4	27	4	
Stomatitis	37	3	14	0	32	3	
Abdominal Pain	33	4	31	7	31	5	
Anorexia	29	3	20	2	20	1	
Gastroesophageal Reflux		2	1	0	3	0	
Hematology/Infection							
Fever	29	1	25	1	23	1	
Febrile Neutropenia	6	6	0	0	1	1	
Cardiovascular							
Dyspnea	20	4	13	7	11	2	
Coughing	19	1	11	0	9	0	
Edema	15	1	10	1	13	1	
Thromboembolism	9	8	2	1	4	2	
Chest Pain	8	1	5	1	4	1	
Dermatology/Skin							
Injection Site Reaction	10	3	9	0	5	1	
Hepatic/Metabolic/Lab	oratory/Re	nal				1	
Hypokalemia	9	4	3	2	3	1	
Dehydration	8	3	5	3	6	4	

* Event coded in WHO-ART dictionary
Table 12: Adverse Reactions Reported in Patients in the Previously Treated
Advanced Colorectal Cancer Clinical Trial (greater than or equal to 5% of all
patients but with less than 1% grade 3-4)

Adverse Reaction*	Oxaliplatin + FU/LV N=150	Oxaliplatin N=153	5-FU/LV N=142	
	All Grades (%)	All Grades (%)	All Grades (%)	
Gastrointestinal				
Constipation	32	31	23	
Dyspepsia	14	7	10	
Taste Perversion	13	5	1	
Mucositis	7	2	10	
Flatulence	5	3	6	
Constitutional Symptoms	s/Pain/Ocular/Visual			
Headache	17	13	8	

l I		1	
Arthralgia	10	7	10
Epistaxis	9	2	1
Abnormal Lacrimation	7	1	6
Rigors	7	9	6
Allergy/Immunology		1	
Rhinitis	15	6	4
Allergic Reaction	10	3	1
Rash	9	5	5
Neurology			
Dizziness	13	7	8
Insomnia	9	11	4
Dermatology/Skin			
Hand-Foot Syndrome	11	1	13
Flushing	10	3	2
Alopecia †	7	3	3
Pulmonary			
Upper Respiratory Tract Infection	10	7	4
Pharyngitis	9	2	10
Cardiovascular			
Peripheral Edema	10	5	11
Hepatic/Metabolic/Laboratory	/Renal	1	
Hematuria	6	0	4
Dysuria	6	1	1
		1 1	

^{*} Event coded in WHO-ART dictionary

* Event coded in WHO-ART dictionary
'No complete alopecia was reported.
Clinically relevant adverse reactions in greater than or equal to 2% and less than 5% of
the patients in the oxaliplatin and fluorouracil/leucovorin combination arm (listed in
decreasing order of frequency) were: anxiety, myalgia, erythematous rash, increased
sweating, conjunctivitis, weight decrease, dry mouth, rectal hemorrhage, depression,
ataxia, ascites, hemorrhoids, muscle weakness, nervousness, tachycardia, abnormal micturition frequency, dry skin, pruritus, hemoptysis, purpura, vaginal hemorrhage, melena, somnolence, pneumonia, proctitis, involuntary muscle contractions, intestinal obstruction, gingivitis, tenesmus, hot flashes, enlarged abdomen, and urinary

Table 13: Laboratory-Related Adverse Reactions Occurring in ≥5% of Patients with Previously Treated Advanced Colorectal Cancer

Laboratory- Related Adverse Reaction	Oxaliplatin and FU/LV N=150		Oxaliplatin N=153		FU/LV N=142	
	All Grades (%)	Grades 3- 4 (%)	All Grades (%)	Grades 3-4 (%)	All Grades (%)	Grades 3-4 (%)
Hematology						
Anemia	81	2	64	1	68	2
Leukopenia	76	19	13	0	34	1
Neutropenia	73	44	7	0	25	5
Thrombocytopenia	64	4	30	3	20	0
Hepatic		1				
Increased ALT*	31	0	36	1	28	3
Increased AST †	47	0	54	4	39	2
Increased Bilirubin	13	1	13	5	22	6

Alanine transaminase

[†]Aspartate transaminase

'Aspartate transaminase
Additional Adverse Reactions
The following adverse reactions were observed across clinical trials.
Intravenous site reactions
Injection site reaction, including redness, swelling, and pain, can occur with oxaliplatin. In some cases, skin necrosis has occurred with extravasation.

PRES occurred in less than 0.1% of natients

Pulmonary fibrosis and interstitial lung disease
Pulmonary fibrosis, which may be fatal, occurred in less than 1% of patients.

6.2 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of oxaliplatin. 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.

- General: angioedema, anaphylactic shock
- Gerlea and Gerechina, analypiactic shock.
 Gardiovascular: QT prolongation leading to ventricular arrhythmias, including fatal torsade de pointes; bradyarrhythmia
 Neurological: loss of deep tendon reflexes, dysarthria, Lhermitte's sign, cranial nerve palsies, fasciculations, convulsion

- palsies, tasciculations, convulsion services, tasciculations, convulsion services, tasciculations, convulsion services and hypersensitivity reactions: laryngospasm services s pancreatitis, sinusoidal obstruction syndrome, perisinusoidal fibrosis which rarely may progress, focal nodular hyperplasia, esophagitis

 • Musculoskeletal and connective tissue: rhabdomyolysis, including fatal outcomes

 • Platelet, bleeding, and clotting disorders: immuno-allergic thrombocytopenia, prolonged prothrombin time and INR in patients receiving anticoagulants

 • Blood disorders: secondary leukemia

 • Red blood cell: hemolytic uremic syndrome, immuno-allergic hemolytic anemia

 • Renal: acute tubular necrosis, acute interstitial nephritis, acute renal failure

 • Respiratory: interstitial lung diseases (sometimes fatal) and pneumonia (including fatal

outcomes)

- Vision: decrease of visual acuity, visual field disturbance, optic neuritis and transient vision loss (reversible following treatment discontinuation)
- Injury, poisoning, and procedural complications; fall-related injuries

7 DRUG INTERACTIONS

7.1 Drugs that Prolong the QT Interval

QT interval prolongation and ventricular arrhythmias can occur with oxaliplatin [see Warnings and Precautions (5.7)1. Avoid coadministration of oxaliplatin with medicinal products with a known potential to prolong the QT interval.

7.2 Use with Nephrotoxic Products

Because platinum-containing species are eliminated primarily through the kidney, clearance of these products may be decreased by coadministration of potentially nephrotoxic compounds [see Clinical Pharmacology (12.3)]. Avoid coadministration of oxaliplatin with medicinal products known to cause nephrotoxicity.

7.3 Use with Anticoagulants

Prolonged prothrombin time and INR occasionally associated with hemorrhage have been reported in patients who received oxaliplatin with fluorouraci/leucovorin while on anticoagulants [see Warnings and Precautions (5.9), Adverse Reactions (6.2)]. Increase frequency of monitoring in patients who are receiving oxaliplatin with fluorouracil/leucovorin and oral anticoagulants.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Based on its direct interaction with DNA, oxaliplatin can cause fetal harm when administered to a pregnant woman. The available human data do not establish the presence or absence of major birth defects or miscarriage related to the use of oxaliplatin. Reproductive toxicity studies demonstrated adverse effects on embryo-fetal development in rats at maternal doses that were below the recommended human dose based on body surface area (see Data). Advise a pregnant woman of the potential risk to a fetus.

a leus. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Data
Animal data
Pregnant rats were administered oxaliplatin at less than one-tenth the recommended human dose based on body surface area during gestation days (GD)1-5 (preimplantation), GD 6-10, or GD 11-16 (during organogenesis). Oxaliplatin caused developmental mortality (increased early resorptions) when administered on days GD 6-10 and GD 11-16 and adversely affected fetal growth (decreased fetal weight, delayed ossification) when administered on days GD 6-10.

<u>Risk Summary</u>
There are no data on the presence of oxaliplatin or its metabolites in human or animal milk or its effects on the breastfed infant or on milk production. Because of the potential for serious adverse reactions in breastfed infants, advise women not to breastfeed during treatment with oxaliplatin and for 3 months after the final dose.

8.3 Females and Males of Reproductive Potential

<u>Pregnancy Testing</u>
Verify pregnancy status in females of reproductive potential prior to initiating oxaliplatin [see Use in Specific Populations (8:1)].

Contraception
Oxaliplatin can cause embryo-fetal harm when administered to a pregnant woman [see Use in Specific Populations (8.1)].

Advise female patients of reproductive potential to use effective contraception while receiving oxaliplatin and for 9 months after the final dose.

Males
Based on its mechanism action as a genotoxic drug, advise males with female partners of reproductive potential to use effective contraception while receiving oxaliplatin and for 6 months after the final dose [see Nonclinical Toxicology (13.1)].

Based on animal studies, oxaliplatin may impair fertility in males and females [see Nonclinical Toxicology (13.1)].

8.4 Pediatric Use

The safety and effectiveness of oxaliplatin in pediatrics have not been established. Safety and effectiveness were assessed across 4 open-label studies in 235 patients aged 7 months to 22 years with solid tumors.

In a multicenter, open-label, non-comparative, non-randomized study (ARD5531). In a multicenter, open-label, non-comparative, non-randomized study (ARD551), oxaliplatin was administered to 43 patients with refractory or relapsed malignant solid tumors, mainly neuroblastoma and osteosarcoma. The dose limiting toxicity (DLT) was sensory neuropathy at a dose of 110 mg/m². The main adverse reactions were: paresthesia (60%, grade 3-4: 7%), fever (40%, grade 3-4: 7%), and thrombocytopenia (40%, grade 3-4: 27%). No responses were observed.

(40%, grade 3-4: 27%). No responses were observed. In an open-label non-randomized study (DFI7434), oxaliplatin was administered to 26 pediatric patients with metastatic or unresectable solid tumors, mainly neuroblastoma and ganglioneuroblastoma. The DLT was sensory neuropathy at a dose of 160 mg/m². No responses were observed. In an open-label, single-agent study (ARD5021), oxaliplatin was administered to 43 pediatric patients with recurrent or refractory embryonal CNS tumors. The most common adverse reactions reported were: leukopenia (67%, grade 3-4: 12%), anemia (65%, grade 3-4: 26%), vomiting (65%, grade 3-4: 5%), thrombocytopenia (65%, grade 3-4: 26%), vomiting (65%, grade 3-4: 5%). In on open-label single-agent study (ARD5530), oxaliplatin was administered to 123

3-4: 7%), incuroperial (35%, grade 3-4: 16%), and sensory neuropatiny (40%, grade 3-4: 5%). In an open-label single-agent study (ARD5530), oxaliplatin was administered to 123 pediatric patients with recurrent solid tumors, including neuroblastoma, osteosarcoma, Ewing sarcoma or peripheral PNET, ependymoma, rhabdomyosarcoma, hepatoblastoma, high grade astrocytoma, brain stem glioma, low grade astrocytoma, malignant germ cell tumor and other tumors. The most common adverse reactions reported were: sensory neuropathy (52%, grade 3-4: 12%), thrombocytopenia (37%, grade 3-4: 17%), anemia (37%, grade 3-4: 2%), omking (26%, grade 3-4: 2%), increased ALT (24%, grade 3-4: 6%), increased AST (24%, grade 3-4: 2%), and nausea (23%, grade 3-4: 4%),
The pharmacokinetic parameters of ultrafiltrable platinum were evaluated in 105 pediatric patients during the first cycle. The mean clearance in pediatric patients estimated by the population pharmacokinetic analysis was 4.7 L/h (%CV, 41%). Mean platinum pharmacokinetic parameters in ultrafiltrate were C max/G 0.75 ± 0.24 mcg/mL, AUC 0.48hof 7.52 ± 5.07 mcg +n/mL and AUC (10 o 48hof 7.52 ± 5.07 mcg +n/mL and Smg/m² of oxaliplatin and C max/G 1.10 ± 0.43 mcg/mL, AUC 0.48hof 9.74 ± 2.52 mcg •h/mL and AUC (17 of 17.3 ± 5.34 mcg •h/mL at 130 mg/m² of oxaliplatin.

In the adjuvant treatment trial [see Clinical Studies (14.1)], 400 patients who received oxaliplatin with fluorouracil/leucovorin were greater than or equal to 65 years. The effe of oxaliplatin in patients greater than or equal to 65 years was not conclusive. Patients

greater than or equal to 65 years receiving oxaliplatin experienced more diarrhea and grade 3-4 neutropenia (45% vs 39%) compared to patients less than 65 years. In the previously untreated advanced colorectal cancer trial [see Clinical Studies (14.2)], 99 patients who received oxaliplatin with fluorouracil and leucovorin were greater than or 99 patients who received oxalipiatin with fluorouracii and leucovorin were greater than or equal to 65 years. The same efficacy improvements in response rate, time to tumor progression, and overall survival were observed in the greater than or equal to 65 years patients as in the overall study population. Adverse reactions were similar in patients less than 65 and greater than or equal to 65 years, but older patients may have been more susceptible to diarrhea, dehydration, hypokalemia, leukopenia, fatigue, and syncope. In the previously treated advanced colorectal cancer trial [see Clinical Studies (14.3)], 55 In the previously treated advanced colorectal cancer trial *(see Linical Studies [14.3])*, 20 patients who received oxaliplatin with fluorouracil and leucovorin were greater than or equal to 65 years. No overall differences in effectiveness were observed between these patients and younger adults. Adverse reactions were similar in patients less than 65 and greater than or equal to 65 years, but older patients may have been more susceptible to diarrhea, dehydration, hypokalemia, and fatigue. No significant effect of age on the clearance of ultrafiltrable platinum has been observed

[see Clinical Pharmacology (12.3)].

8.6 Patients with Renal Impairment

The AUC of unbound platinum in plasma ultrafiltrate was increased in patients with renal The AUC of unbound platinum in plasma ultrafilirate was increased in patients with rena impairment [see Clinical Pharmacology (1.2.3)]. No dose reduction is recommended for patients with mild (creatinine clearance 50 to 79 mL/min) or moderate (creatinine clearance 30 to 49 mL/min) renal impairment, calculated by Cockcroft-Gault equation. Reduce the dose of oxaliplatin in patients with severe renal impairment (creatinine clearance less than 30 mL/min) [see Dosage and Administration (2.3)].

10 OVERDOSAGE

The maximum dose of oxaliplatin that has been administered in a single infusion is 825 misserial cases of overdoses have been reported with oxaliplatin. Adverse reactions observed following an overdoses have been reported with oxaliplatin. Adverse reactions observed following an overdosage were grade 4 thrombocytopenia (less than 25,000/mm³) without bleeding, anemia, sensory neuropathy (including paresthesia, dysesthesia, laryngospasm and facial muscle spasms), gastrointestinal disorders (including nausea, ownling, stomatitis, fatulence, abdomen enlarged and grade 4 intestinal obstruction), grade 4 dehydration, dyspnea, wheezing, chest pain, respiratory febbrare over beacher after the cast dentified. failure, severe bradycardia and death.

Closely monitor patients suspected of receiving an overdose, including for the adverse reactions described above and administer appropriate supportive treatment

11 DESCRIPTION

Oxaliplatin, USP is a platinum-based drug with the molecular formula C $_8H$ $_14N$ $_2O$ $_4Pt$ and the chemical name of $c\bar{c}$ - $\{(1\,R,2\,R)-1,2-cyclohexanediamine-N,N'\}$ [oxalato(2-)-O,O'] platinum. Oxaliplatin is an organoplatinum complex in which the platinum atom is complexed with 1,2-diaminocyclohexane (DACH) and with an oxalate ligand as a leaving group.

Oxaliplatin, USP is white to off-white crystalline powder. The molecular weight is 397.29. Oxaliplatin is slightly soluble in water, very slightly soluble in methanol and practically insoluble in alcohol.

Oxaliplatin injection, USP for intravenous use is supplied in vials containing 50 mg/10 mL or 100 mg/20 mL of oxaliplatin as a sterile, preservative-free, aqueous solution at a concentration of 5 mg/mL. Water for Injection, USP is present as an inactive ingredient.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Oxaliplatin undergoes nonenzymatic conversion in physiologic solutions to active Oxaliplatin undergoes nonenzymatic conversion in physiologic solutions to active derivatives via displacement of the labile oxalate ligand. Several transient reactive species are formed, including monoaquo and diaquo DACH platinum, which covalently bind with macromolecules. Both inter- and intrastrand Pt-DNA crosslinks are formed. Crosslinks are formed between the N7positions of two adjacent guanines (GG), adjacent adenine-guanines (AG), and guanines separated by an intervening nucleotide (GNG). These crosslinks inhibit DNA replication and transcription. Cytotoxicity is cell-cycle nonspecific. In vivostudies have shown antitumor activity of oxaliplatin against colon carcinoma. In combination with fluorouracil, oxaliplatin exhibits in vitroand in vivoantiprofilerative activity greater than either compound alone in several tumor models (HTZ9 [colon], GR [mammary], and L1210 [leukemia]).

12.2 Pharmacodynamics

A pharmacodynamic relationship between platinum ultrafiltrate levels and clinical safety and effectiveness has not been established.

12.3 Pharmacokinetics

The reactive oxaliplatin derivatives are present as a fraction of the unbound platinum in plasma ultrafiltrate. After a single 2-hour intravenous infusion of oxaliplatin at a dose of 85 mg/m ², pharmacokinetic parameters expressed as ultrafiltrable platinum were Cmax

of 0.814 mcg/mL and volume of distribution of 440 L. Interpatient and intrapatient variability in ultrafiltrable platinum exposure (AUC _{0.48hr}) assessed over 3 cycles was 23% and 6%, respectively.

assessed over 3 Cycles was as a second Distribution. At the end of a 2-hour infusion of oxaliplatin, approximately 15% of the administered platinum is present in the systemic circulation. The remaining 85% is rapidly distributed into tissues or eliminated in the urine. The decline of ultrafiltrable platinum levels following oxaliplatin administration is triphasic, including two distribution phases (t 1/2a; 0.43 hours 16 8 hours).

oxaliplatin administration is tripnasic, including two distributions products and target 16.8 hours). In patients, plasma protein binding of platinum is irreversible and is greater than 90%. The main binding proteins are albumin and gamma-globulins. Platinum also binds irreversibly and accumulates (approximately 2-fold) in erythrocytes, where it appears to have no relevant activity. No platinum accumulation was observed in plasma ultrafiltrate following 85 mg/m ²every two weeks.

plasma duct and are rollowing as migrin "every two weeks. <u>Elimination</u>
The decline of ultrafiltrable platinum concentrations from plasma is characterized by a long terminal elimination phase (t _{1/2},; 391 hours).

<u>Metabolism</u>
Oxaliplatin undergoes rapid and extensive nonenzymatic biotransformation. There is no

oxamplant induce goes rapid and extensive minerizations but distributions. There is no evidence of cytochrome P450-mediated metabolism in vitro.

Up to 17 platinum-containing derivatives have been observed in plasma ultrafiltrate samples from patients, including several cytotoxic species (monochloro DACH platinum, dichloro DACH platinum, and monoaquo and diaquo DACH platinum) and a number of noncytotoxic, conjugated species.

Excretion
The major route of platinum elimination is renal excretion. At five days after a single 2-

hour infusion of oxaliplatin, urinary elimination accounted for about 54% of the platinum eliminated, with fecal excretion accounting for only about 2%. Platinum was cleared from plasma at a rate (10-17 L/h) that was similar to or exceeded the average human glomerular filtration rate (GFR; 7.5 L/h). The renal clearance of ultrafiltrable platinum is significantly correlated with GFR. Special Populations

There was no significant effect of sex on the clearance of ultrafiltrable platinum.

Patients with renal impairment
Patients with normal function (CLcr greater than 80 mL/min) and patients with mild

Patients with normal function (CLcr greater than 80 mL/min) and patients with mild (CLcr=50-80 mL/min) and moderate (CLcr equal to 30-49 mL/min) renal impairment received oxaliplatin 85 mg/m ² and those with severe (CLcr less than 30 mL/min) renal impairment received oxaliplatin 65 mg/m ². Mean dose adjusted AUC of unbound platinum was 40%, 95%, and 342% higher for patients with mild, moderate, and severe renal impairment, respectively, compared to patients with normal renal function. Mean dose adjusted C maxof unbound platinum appeared to be similar among the normal, mild and moderate renal function groups, but was 38% higher in the severe group than in the normal group (see Dosage and Administration (2.3)). Drug Interaction Studies

<u>Drug Interaction Studies</u>

No pharmacokinetic interaction between oxaliplatin 85 mg/m ² and infusional fluorouracil has been observed in patients treated every 2 weeks, but increases of fluorouracil plasma concentrations by approximately 20% have been observed with doses of 130 mg/m ² of oxaliplatin administered every 3 weeks.

In vitroplatinum was not displaced from plasma proteins by the following medications: erythromycin, salicylate, sodium valproate, granisetron, and paclitaxel.

In vitrooxaliplatin does not inhibit human cytochrome P450 isoenzymes.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Long-term animal studies have not been performed to evaluate the carcinogenic potential of oxaliplatin. Oxaliplatin was not mutagenic to bacteria (Ames test) but was potential of oxaliplatin. Oxaliplatin was not mutagenic to bacteria (kmes test) but was mutagenic to mammalian cells in vitro(L5178Y mouse lymphoma assay). Oxaliplatin was clastogenic both in vitro(chromosome aberration in human lymphocytes) and in vivo(mouse bone marrow micronucleus assay).

In a fertility study, male rats were given oxaliplatin at 0, 0.5, 1, or 2 mg/kg/day for five days every 21 days for a total of three cycles prior to mating with females that received the state of 5 mg/kg/day for five the consecution.

two cycles of oxaliplatin on the same schedule. A dose of 2 mg/kg/day (less than one-seventh the recommended human dose on a body surface area basis) did not affect pregnancy rate, but resulted in 97% postimplantation loss (increased early resorptions, decreased live fetuses, decreased live births), and delayed growth (decreased fetal weight).

Testicular damage, characterized by degeneration, hypoplasia, and atrophy, was observed in dogs administered oxaliplatin at 0.75 mg/kg/day (approximately one-sixth of the recommended human dose on a body surface area basis) × 5 days every 28 days for three cycles. A no effect level was not identified.

14 CLINICAL STUDIES

14.1 Adjuvant Treatment with Oxaliplatin in Combination with Fluorouracil and

The efficacy of oxaliplatin in combination with fluorouracil (FU)/leucovorin (LV) was evaluated in an international, multicenter, randomized (1:1) trial (The Multicenter International Study of Oxaliplatin/5-Fluorouracil/Leucovorin in the Adjuvant Treatment of Colon Cancer [MoSAIC], NCT00275210) in patients with stage II (Dukes' B2) or III (Dukes' C) colon cancer who had undergone complete resection of the primary tumor. Patients were randomized to receive oxaliplatin with fluorouracil/leucovorin or fluorouracil/leucovorin alone for a total of 6 months (i.e., 12 cycles). Table 14 shows the dosing regimens for the two arms.

dosing regimens for the two arms. Eligible patients were between 18 and 75 years of age, had histologically proven stage II (T_3 - T_4 N0 M0; Dukes' B2) or III (any T N $_{1-2}$ M0; Dukes' C) colon carcinoma (with the inferior pole of the tumor above the peritoneal reflection, i.e., greater than or equal to 15 cm from the anal margin) and had undergone (within 7 weeks prior to randomization) complete resection of the primary tumor without gross or microscopic evidence of complete resection to the primary union windout gross or introscopic evidence of residual disease and carcino-embyrogenic antigen (CEA) less than 10 ng/ml. Additional eligibility criteria were no prior chemotherapy, immunotherapy or radiotherapy. Eastern Cooperative Oncology Group performance status of 0, 1, or 2 (Karnofsky Performance Status greater than or equal to 60%); no pre-existing neuropathy; and absolute neutrophic Jount (ANC) greater than or equal to 1.25 × 10 9 L, platelets greater than or equal to 1.0 × 10 9 L, because the promote that the control of the promote that the promote the promote that the promote tha (ULN), total bilirubin less than 2 × ULN, and aspartate transaminase (AST)/alanine transaminase (AST)/alanine transaminase (AST)/alanine transaminase (AST) less than 2 × ULN. The major efficacy outcome was 3-year disease-free survival (DFS).

Table 14: Dosing Regimens in Adjuvant Treatment Study

Treatment Arm	Dose	Regimen
(FOLFOX4) (N=1123)	Day 1: Oxaliplatin: 85 mg/m ²(2- hour infusion) + LV: 200 mg/m ²(2- hour infusion), followed by FU: 400 mg/m ²(bolus), 600 mg/m ²(22- hour infusion)	every 2 weeks 12 cycles
	Day 2: LV: 200 mg/m ² (2- hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion)	
	Day 1: LV: 200 mg/m ² (2-hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion)	every 2 weeks 12 cycles
	Day 2: LV: 200 mg/m ² (2- hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion)	

There were 2246 patients enrolled, of whom 1347 (60%) had Stage III disease. Tables 15 and 16 show the baseline characteristics and exposure to oxaliplatin.

Table 15: Baseline Characteristics in Adjuvant Treatment Study

	Oxaliplatin + Infusional FU/LV N=1123	Infusional FU/LV N=1123
Sex: Male (%)	56.1	52.4
Female (%)	43.9	47.6
Median age (years)	61.0	60.0
<65 years of age (%)	64.4	66.2
≥65 years of age (%)	35.6	33.8
KPS (%)		
100	29.7	30.5
90	52.2	53.9
80	4.4	3.3

70	13.2	11.9
≤60	0.6	0.4
Primary site (%)		
Colon including cecum	54.6	54.4
Sigmoid	31.9	33.8
Recto sigmoid	12.9	10.9
Other including rectum	0.6	0.9
Bowel obstruction (%)		
Yes	17.9	19.3
Perforation (%)		
Yes	6.9	6.9
Stage at Randomization (%)		
II (T=3,4 N=0, M=0)	40.1	39.9
III (T=any, N=1,2, M=0)	59.6	59.3
IV (T=any, N=any, M=1)	0.4	0.8
Staging - T (%)		
T1	0.5	0.7
T2	4.5	4.8
T3	76.0	75.9
T4	19.0	18.5
Staging - N (%)		
NO	40.2	39.9
N1	39.4	39.4
N2	20.4	20.7
Staging - M (%)		-
M1	0.4	0.8
		*

Table 16: Exposure to Oxaliplatin in Adjuvant Treatment Study

	Oxaliplatin+ Infusional FU/LV N=1108	Infusional FU/LV N=1111
Median Relative Dose Intensity (%)		•
FU	84.4	97.7
Oxaliplatin	80.5	N/A
Median Number of Cycles	12	12
Median Number of Cycles with Oxaliplatin	11	N/A

The median duration of follow-up was approximately 77 months. In the overall and the stage III colon cancer populations, DFS was statistically significantly improved in the oxaliplatin-containing arm compared to fluorouraciflucucovorin alone; however, a statistically significant improvement in DFS was not observed in Stage II patients. No significant differences in overall survival (OS) were detected in the overall population or those with Stage III disease. Table 17 and Figures 1 and 2 summarize the 5-year DFS rates in the overall randomized population and in patients with stage II and III disease based on an intention-to-treat (ITT) analysis.

Table 17: Summary of DFS Analysis in Adjuvant Treatment Study - ITT Population

Parameter	Oxaliplatin + Infusional FU/LV	Infusional FU/LV	
Overall			
Number of patients	1123	1123	
Number of events - relapse or death (%)	304 (27.1)	360 (32.1)	
5-yr Disease-free survival % (95% CI)	73.3 (70.7, 76.0)	67.4 (64.6, 70.2)	
Hazard ratio (95% CI)	0.80 (0	.68, 0.93)	
Stratified Log rank test	p=	0.003	
Stage III (Dukes' C)			
Number of patients	672	675	
Number of events - relapse or death (%)	226 (33.6)	271 (40.1)	
5-yr Disease-free survival % (95% CI)	66.4 (62.7, 70.0)	58.9 (55.2, 62.7)	
Hazard ratio (95% CI)	0.78 (0.65, 0.93)		
Log rank test	p=0.005		
Stage II (Dukes' B2)			
Number of patients	451	448	
Number of events - relapse or death (%)	78 (17.3)	89 (19.9)	
5-yr Disease-free survival % (95% CI)	83.7 (80.2, 87.1)	79.9 (76.2, 83.7)	
Hazard ratio (95% CI)	0.84 (0.62, 1.14)		
Log rank test	p=	0.258	

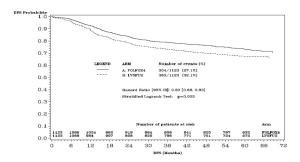


Figure 2: Kaplan-Meier Curves of Disease-Free Survival in Stage III Patients (cutoff: 1 June 2006) in Adjuvant Treatment Trial - ITT

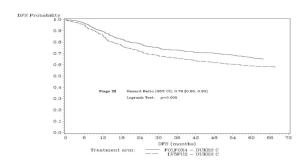


Table 18 summarizes the OS results in the overall randomized population and in patients with stage II and III disease, based on the ITT analysis.

Table 18: Summary of OS Analysis in Adjuvant Treatment - ITT Population

Parameter	Oxaliplatin+ Infusional FU/LV	Infusional FU/LV
Overall		1
Number of patients	1123	1123
Number of death events (%)	245 (21.8)	283 (25.2)
Hazard ratio (95% CI)	0.84 (0.7	71 , 1.00)
Stage III (Dukes' C)		
Number of patients	672	675
Number of death events (%)	182 (27.1)	220 (32.6)
Hazard ratio (95% CI)	0.80 (0.6	55 , 0.97)
Stage II (Dukes' B2)		
Number of patients	451	448
Number of death events (%)	63 (14.0)	63 (14.1)
Hazard ratio (95% CI)	1.00 (0.	70, 1.41)

A hazard ratio of less than 1 favors Oxaliplatin + Infusional FU/LV Data cut off for overall survival January 16, 2007

14.2 Previously Untreated Advanced Colorectal Cancer

The efficacy of oxaliplatin in combination with fluorouracii (FU)/leucovorin (LV) was evaluated in a North American, multicenter, open-label, randomized, active-controlled trial (A Randomized Phase III Trial of Three Different Regimens of CPT-11 Plus 5-Fluorouracii and Leucovorin in Patients with Advanced Adenocarcinoma of the Colon and Rectum; NCT00003594). The trial included 7 arms at different times during its conduct, four of which were closed due to either changes in the standard of care, toxicity, or simplification. During the trial, the control arm was changed to irinotecan with fluorouracil/leucovorin. The results reported below compared the efficacy of oxaliplatin with fluorouracil/leucovorin and oxaliplatin with irinotecan to an approved control regimen of fluorouracil/leucovorin and oxaliplatin with irinotecan to an approved control regimen of irinotecan with fluorouracil/leucovorin in 795 concurrently randomized patients previously untreated for locally advanced or metastatic colorectal cancer. Table 19 presents the dosing regimens for the three arms. After completion of enrollment, the dose of irinotecan with fluorouracil/leucovorin was decreased due to toxicky. Eligible patients were at least 18 years of age; had known locally advanced, locally recurrent, or metastatic colorectal adenocarcinoma not curable by surgery or amenable to radiation therapy; with an Eastern Cooperative Oncology Group (ECOG) performance status ≤ 0 , 1, or 2. Patients had to have absolute neutrophil count (ANC) greater than or equal to $1.5 \times 10^9 H_{\rm c}$ hemoglobin greater than or equal to $1.5 \times 10^9 H_{\rm c}$ hemoglobin less than or equal to $1.5 \times 10^9 H_{\rm c}$ hemoglobin spreater than or equal to $1.5 \times 10^9 H_{\rm c}$ hemoglobin spreater than or equal to $1.5 \times 10^9 H_{\rm c}$ had the spread of $1.5 \times 10^9 H_{\rm c}$ had the sp Although no post study treatment was specified in the protocol, 65% to 72% of patients received additional post study chemotherapy after study treatment discontinuation on all arms. Fifty-eight percent of patients on the oxaliplatin with fluorouracil/leucovorin arm received an irinotecan-containing regimen and 23% of patients on the irinotecan with fluorouracil/leucovorin arm received an oxaliplatin- containing regimen. The main efficacy outcome measure was 3-year disease-free survival (DFS) and additional efficacy outcome measures were overall survival (OS).

Table 19: Dosing Regimens for Previously Untreated Advanced Colorectal Cancer Clinical Trial

Treatment Arm	Dose					Regimen
	Dav	1:	Oxalinlatin:	85	ma/m ² (2-	every 2 weeks

Oxaliplatin + FU/LV (FOLFOX4) (N=267)	hour infusion) + LV 200 mg/m ² (2-hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion) Day 2: LV 200 mg/m ² (2-hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion)	,
Irinotecan + FU/LV (IFL)	Day 1: irinotecan 125 mg/m ² as a 90-min infusion + LV 20 mg/m ² as a 15-	every 6 weeks
	min infusion or intravenous push, followed by FU 500 mg/m 2 intravenous bolus weekly $ imes$ 4	
Oxaliplatin + Irinotecan (IROX)	Day 1: Oxaliplatin: 85 mg/m ² intravenous (2- hour infusion) + irinotecan 200 mg/m ² intravenous over 30 minutes	every 3 weeks
(N=264)	and decrease over so minutes	

Table 20 presents the baseline characteristics.

Table 20: Baseline Characteristics for Previously Untreated Advanced Colorectal Cancer Clinical Trial

	Oxaliplatin + FU/LV N=267	Irinotecan + FU/LV N=264	Oxaliplatin + Irinotecan N=264
Sex: Male (%)	58.8	65.2	61.0
Female (%)	41.2	34.8	39.0
Median age (years)	61.0	61.0	61.0
<65 years of age (%)	61	62	63
≥65 years of age (%)	39	38	37
ECOG (%)			
0-1	94.4	95.5	94.7
2	5.6	4.5	5.3
Involved organs (%)			
Colon only	0.7	0.8	0.4
Liver only	39.3	44.3	39.0
Liver + other	41.2	38.6	40.9
Lung only	6.4	3.8	5.3
Other (including lymph nodes)	11.6	11.0	12.9
Not reported	0.7	1.5	1.5
Prior radiation (%)	3.0	1.5	3.0
Prior surgery (%)	74.5	79.2	81.8
Prior adjuvant (%)	15.7	14.8	15.2

The median number of cycles administered per patient was 10 (23.9 weeks) for the oxaliplatin plus fluorouracil/leucovorin regimen, 4 (23.6 weeks) for the irinotecan plus fluorouracil/leucovorin regimen, and 7 (21.0 weeks) for the oxaliplatin plus irinotecan

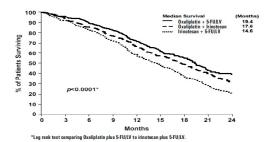
fluorouracil/leucovorin regimen, and 7 (21.0 weeks) for the oxaliplatin plus irinotecan regimen.

Patients who received oxaliplatin with fluorouracil/leucovorin had a significantly longer time to tumor progression based on investigator assessment, longer OS, and a significantly higher confirmed response rate based on investigator assessment compared to patients who received irinotecan with fluorouracil/leucovorin. Efficacy results are summarized in Table 21 and Figure 3.

Table 21: Efficacy Results for Previously Untreated Advanced Colorectal Cancer Trial

	Oxaliplatin + FU/LV N=267	Irinotecan + FU/LV N=264	Oxaliplatin+ Irinotecan N=264
Survival (ITT)			
Number of deaths (%)	155 (58.1)	192 (72.7)	175 (66.3)
Median survival (months)	19.4	14.6	17.6
Hazard ratio (95% CI)*	0.65 (0.53	3, 0.80) †	-
P-value	<0.00	001 †	-
TTP (ITT, investigator assessment)			
Percentage of progressors	82.8	81.8	89.4
Median TTP (months)	8.7	6.9	6.5
Hazard ratio (95% CI)*	0.74 (0.6	1, 0.89) †	-
P-value	0.00	14 [†]	-
Response Rate (investigator assessm	nent) ‡		
Patients with measurable disease	210	212	215
Complete response, N (%)	13 (6.2)	5 (2.4)	7 (3.3)
Partial response, N (%)	82 (39.0)	64 (30.2)	67 (31.2)
Complete and partial response, N (%)	95 (45.2)	69 (32.5)	74 (34.4)
95% CI	(38.5, 52.0)	(26.2, 38.9)	(28.1, 40.8)
P-value	0.00	80 †	-

^{*} Compared to irinotecan plus fluorouracil/leucovorin (IFL) arm.
† A hazard ratio of less than 1 favors oxaliplatin + Infusional FU/LV.
†Based on all patients with measurable disease at baseline.
The numbers in the response rate and TTP analysis are based on unblinded investigator assessment.
Figure 3: Kaplan-Meier Curves for Overall Survival in Previously Untreated Advanced Colorectal Cancer Trial



In descriptive subgroup analyses, the improvement in overall survival (OS) for oxaliplatin with fluorouracii/leucovorin compared to irinotecan with fluorouracii/leucovorin appeared to be maintained across age groups, prior adjuvant treatment, number of organs involved and both sexes; however, the effect appeared larger among women than men.

14.3 Previously Treated Advanced Colorectal Cancer

The efficacy of oxaliplatin in combination with fluorouracii (FU)/leucovorin (LV) was evaluated in a multicenter, open-label, randomized, three-arm controlled trial was conducted in the US and Canada in patients with advanced colorectal cancer who had relapsed/progressed during or within 6 months of first-line treatment with bolus fluorouracil/eucovorin and irinotecan (A multicenter, open-label, randomized, three-arm study of 5-fluorouracil (5-FU) + leucovorin (LV) or oxaliplatin or a combination of 5-FU/LV + oxaliplatin as second-line treatment of metastatic colorectal carcinoma: NCT00008281). Patients were randomized to one of three regimens; the dosing regimens are presented in Table 22. Etiglible patients were at least 18 years of age, had unresectable, measurable, histologically proven colorectal adenocarcinoma, with a Karnofsky performance status (KPS) greater than 50%. Patients had to have aspartate transaminase (AST), admine transaminase (ALT) and alkaline phosphatase less than or equal to 2 x upper limit of normal (ULN), unless liver metastases were present and documented at baseline by CT or MRI scan, in which case less than or equal to 5 x ULN was permitted. Prior radiotherapy was permitted if it had been completed at least 3 weeks before randomization. The main efficacy outcome measure was 3-year disease-free survival (DFS) and an additional outcome measure was overall survival (OS). free survival (DFS) and an additional outcome measure was overall survival (OS). **Table 22: Dosing Regimens in Refractory and Relapsed Colorectal Cancer Trial**

Treatment Arm	Dose	Regimen
Oxaliplatin + FU/LV (N=152)	Day 1: Oxaliplatin: 85 mg/m ² (2-hour infusion) + LV 200 mg/m ² (2-hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion)	every 2 weeks
	Day 2: LV 200 mg/m ² (2-hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion)	
FU/LV (N=151)	Day 1: LV 200 mg/m ² (2-hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion)	every 2 weeks
	Day 2: LV 200 mg/m ² (2-hour infusion), followed by FU: 400 mg/m ² (bolus), 600 mg/m ² (22-hour infusion)	
Oxaliplatin (N=156)	Day 1: Oxaliplatin 85 mg/m ² (2-hour infusion)	every 2 weeks

Patients must have had at least one unidimensional lesion measuring greater than or equal to 20 mm using conventional CT or MRI scans or greater than or equal to 10 mm using a spiral CT scan. Tumor response and progression were assessed every 3 cycles (6 weeks) using the Response Evaluation Criteria in Solid Tumors (RECIST) until radiological documentation of progression or for 13 months following the first dose of study drug(s), whichever came first. Confirmed responses were based on two tumor assessments separated by at least 4 weeks. Baseline characteristics are shown in Table 23.

Table 23: Baseline Characteristics in Refractory and Relapsed Colorectal **Cancer Trial**

	Oxaliplatin + FU/LV N=152	Oxaliplatin N=156	FU/LV N=151
Sex: Male (%)	57.2	60.9	54.3
Female (%)	42.8	39.1	45.7
Median age (years)	59.0	61.0	60.0
Range	22-88	27-79	21-80
Race (%)			
Caucasian	88.8	84.6	87.4
Black	5.9	7.1	7.9
Asian	2.6	2.6	1.3
Other	2.6	5.8	3.3
KPS (%)			
70-100	95.4	92.3	94.7
50-60	2.0	4.5	2.6
Not reported	2.6	3.2	2.6
Prior radiotherapy (%)	25.0	19.2	25.2
Prior pelvic radiation (%)	21.1	13.5	18.5
Number of metastatic sit	es (%)	1	
1	25.7	31.4	27.2
≥ 2	74.3	67.9	72.2
Liver involvement (%)		1	
Liver only	18.4	25.6	22.5

Liver + other	53.3	59.0	60.3

The median number of cycles administered per patient was 6 for the oxaliplatin and fluorouracil/leucovorin combination and 3 each for fluorouracil/leucovorin alone and oxaliplatin alone. Patients treated with the combination of oxaliplatin and fluorouracil/leucovorin had an increased response rate compared to patients given fluorouracil/leucovorin or oxaliplatin alone. Efficacy results are summarized in Tables 24

Table 24: Response Rates in Refractory and Relapsed Colorectal Cancer Clinical Trial - ITT Analysis

Best Response	Oxaliplatin + FU/LV N=152	Oxaliplatin N=156	FU/LV N=151
Complete Response	0	0	0
Partial Response	13 (9%)	2 (1%)	0
P-value	0.0002 FU/LV vs Oxaliplatin + FU/LV		
95% CI	4.6%, 14.2%	0.2%, 4.6%	0, 2.4%

Table 25: Radiographic Time to Progression (TTP)* in Refractory and Relapsed Colorectal Cancer Clinical Trial

Arm	Oxaliplatin + FU/LV N=152	Oxaliplatin N=156	FU/LV N=151
Number of progressors	50	101	74
Number of patients with no radiological evaluation beyond baseline	17 (11%)	16 (10%)	22 (15%)
Median TTP (months)	4.6	1.6	2.7
95% CI	4.2, 6.1	1.4, 2.7	1.8, 3.0

* This is not an ITT analysis. Events were limited to radiographic disease progression * This is not an LLL analysis. Events were limited to radiographic disease progression documented by independent review of radiographs. Clinical progression was not included in this analysis, and 18% of patients were excluded from the analysis based on unavailability of the radiographs for independent review. At the time of the interim analysis 49% of the radiographic progression events had occurred. In this interim analysis an estimated 2-month increase in median time to

radiographic progression was observed compared to fluorouracil/leucovorin alone.

15 REFERENCES

1. "OSHA Hazardous Drugs." OSHA. http://www.osha.gov/SLTC/hazardousdrugs/index.html

16 HOW SUPPLIED/STORAGE AND HANDLING

Oxaliplatin injection, USP is supplied in clear, glass, single-dose vials with red elastomeric stoppers and aluminum flip-off seals containing 50 mg/10 mL or 100 mg/20 mL of oxaliplatin as a clear, colorless, sterile, preservative-free, aqueous solution at a

oncentration of 5 mg/mL.

NDC 31722-357-10: 50 mg/10 mL (5 mg/mL) single-dose vial with red color flip-off seal individually packaged in a carton.

NDC 31722-358-20: 100 mg/20 mL (5 mg/mL) single-dose vial with red color flip-off seal individually packaged in a carton.

individually packaged in a carton. Store at 25°C (77°F); excursions permitted to 15°C to 30°C (59°F to 86°F). Do not

Store at 25°C (7°F); excursions permitted to 15°C to 30°C (59°F to 86°F). Do not freeze and protect from light (keep in original outer carton). Discard unused portion. Oxaliplatin injection, USP is a cytotoxic drug. Follow applicable special handling and disposal procedures. ¹The use of gloves is recommended. If a solution of oxaliplatin injection contacts the skin, wash the skin immediately and thoroughly with soap and water. If oxaliplatin injection contacts the mucous membranes, flush thoroughly with

17 PATIENT COUNSELING INFORMATION

Hypersensitivity Reactions

Hypersensitivity Heactions. Advise patients of the potential risk of hypersensitivity and that oxaliplatin injection is contraindicated in patients with a history of hypersensitivity reactions to oxaliplatin and other platinum-based drugs. Instruct patients to seek immediate medical attention for signs of severe hypersensitivity reaction such as chest tightness; shortness of breath; wheezing; dizziness or faintness; or swelling of the face, eyelids, or lips [see Warnings and Precautions (5.1)].

Peripheral Sensory Neuropathy
Advise patients of the risk of acute reversible or persistent-type neurosensory toxicity.
Advise patients to avoid cold drinks, use of ice, and exposure of skin to cold temperature or cold objects [see Warnings and Precautions (5.2)].

Myelosuppression
Inform patients that oxaliplatin injection can cause low blood cell counts and the need for frequent monitoring of blood cell counts. Advise patients to contact their healthcare provider immediately for bleeding, fever, particularly if associated with persistent diarrhea, or symptoms of infection develop (see Warnings and Precautions (5.3)). Posterior Reversible Encephalopathy Syndrome

Posterior Reversible Encephalopathy Syndrome
Advise patients of the potential effects of vision abnormalities, in particular transient
vision loss (reversible following therapy discontinuation), which may affect the patients'
ability to drive and use machines [see Warnings and Precautions (5.4)].
Pulmonary_Toxicity
Advise patients to report immediately to their healthcare provider any persistent or
recurrent respiratory symptoms, such as non-productive cough and dyspnea [see

Warnings and Precautions (5.5)].

warning and recautions (3.3). Hepatotoxicity Advise patients to report signs or symptoms of hepatic toxicity to their healthcare provider [see Warnings and Precautions (5.6)]. QT Interval Prolongation

Advise patients that oxaliplatin injection can cause QTc interval prolongation and to inform their physician if they have any symptoms, such as syncope [see Warnings and

Precautions (5.7)].

Retautions (J.M.)
Rhabdomyolysis
Advise patients to contact their healthcare provider immediately for new or worsening signs or symptoms of muscle toxicity, dark urine, decreased urine output, or the inability to urinate [see Warnings and Precautions (5.8)].

Advise patients that oxaliplatin injection may increase the risk of bleeding and to promptly inform their healthcare provider of any bleeding episodes [see Warnings and Precautions (5.9)].

Embryo-Fetal Toxicity

Advise females of reproductive potential of the potential risk to a fetus. Advise females to inform their healthcare provider of a known or suspected pregnancy [see Warnings and Precautions (5.10), Use in Specific Populations (8.1)].

Advise females of reproductive potential to use effective contraception during treatment with oxaliplatin injection and for 9 months after the final dose [see Use in Specific Populations (8.3)].

Advise male patients with female partners of reproductive potential to use effective

contraception during treatment with oxaliplatin injection and for 6 months after the final dose [see Use in Specific Populations (8.3), Nonclinical Toxicology (13.1)].

Advise women not to breastfeed during treatment with oxaliplatin injection and for 3 months after the final dose [see Use in Specific Populations (8.2)]. Infertility

Advise females and males of reproductive potential that oxaliplatin injection may impair fertility [see Use in Specific Populations (8.3), Nonclinical Toxicology (13.1)]. Gastrointestinal

Advise patients to contact their healthcare provider for persistent vomiting, diarrhea, or signs of dehydration [see Adverse Reactions (6.1)].

<u>Drug Interactions</u>
Inform patients about the risk of drug interactions and the importance of providing a list of prescription and nonprescription drugs to their healthcare provider [see Drug Interactions (7)].



Camber Pharamceuticals, Inc. Piscataway, NJ 08854

Manufactured by:

HETERO LABS LIMITED

Unit VI, Polepally, Jadcherla, Mahabubnagar - 509 301, India

Revised: 06/2025

Patient Information

Oxaliplatin(ox al" i pla' tin) injection, for intravenous use

What is the most important information I should know about oxaliplating

Oxaliplatin injection can cause serious allergic reactions, including allergi Oxaliplatin injection can cause serious allergic reactions, including allergic reactions that can lead to death. Oxaliplatin injection is a platinum-based medicine. Serious allergic reactions including death can happen in people who take oxaliplatin njection and who have had previous allergic reactions to platinum-based medicines. Serious allergic reactions can happen within a few minutes of your oxaliplatin injection infusion or any time during your treatment with oxaliplatin injection. Get emergency help right away if you:

• have trouble breathing

• feel like your throat is closing up

• chest tightness

Call your chort right away if you have any of the following signs or symptoms of an

Call your doctor right away if you have any of the following signs or symptoms of an

allergic reaction:
rash
flushed face

dizziness or feel faint

hives itching • sweating swelling of your lips or tongue, face or eyelids • chest pain

see "What are the possible side effects of oxaliplatin injection?" for information about other serious side effects.

What is oxaliplatin injection?

Oxaliplatin injection is an anti-cancer (chemotherapy) medicine that is used with other anti-cancer medicines called fluorouracil and leucovorin to treat people with:

stage III colon cancer after surgery to remove the tumor
 advanced colon or rectal cancer (colorectal cancer)
 tit is not known if oxaliplatin injection is safe and effective in children.

Do not receive oxaliplatin injection if you are allergic to oxaliplatin or any of the ingredients in oxaliplatin injection or if you are allergic to other platinum-based medicine See the end of this leaflet for a complete list of the ingredients in oxaliplatin injection. Ask your doctor if you are not sure if you have taken a platinum-based medicine.

Before receiving oxaliplatin injection, tell your doctor about all of you medical conditions, including if you:

have an infection

have an infection
have lung, liver, or kidney problems
have bleeding problems
have or had heart problems such as an abnormal heart test called an
electrocardiogram (ECG or EKG), a condition called long QT syndrome, an irregular or
slow heartbeat, or a family history of heart problems

have had changes in the level of certain blood salt (electrolytes) levels, including otassium, magnesium, and calcium are pregnant or plan to become pregnant. Oxaliplatin injection can harm your unborr

aby. Tell your doctor right away if you become pregnant or think you may be pregnant during treatment with oxaliplatin injection.

Females who are able to become pregnant:

Your doctor will do a pregnancy test before you start treatment with oxaliplati

jection.
You should use effective birth control (contraception) during treatment with oxaliplatin njection and for 9 months after the final dose. Talk to your doctor about forms of birth control that may be right for you.

Males with female partners who are able to become pregnant should use effective birth

control during treatment with oxaliplatin injection and for 6 months after the final dose.

• are breastfeeding or plan to breastfeed. It is not known if oxaliplatin passes into you breast milk. Do not breastfeed during treatment with oxaliplatin injection and for 3 months after the final dose.

Tell your doctor about all the medicines you take, including prescription and over-the counter medicines, vitamins, and herbal supplements. Know the medicines you take. Keep a list of them and show it to your doctor and pharmacist when you get a new medicine.

How will I receive oxaliplatin injection?

Oxaliplatin injection is given to you into your vein through an intravenous (IV) tube. Your doctor will prescribe oxaliplatin injection in a dose that is right for you. Your doctor may change how often you receive oxaliplatin injection, your dose, or how

ong your infusion will take. You and your doctor will decide how many oxaliplatin injection treatments you w

eceive.

It is very important that you do exactly what your doctor and nurse tell you to do. Some medicines may be given to you before oxaliplatin injection to help prever

a and vomiting.

treatment course is given to you over 2 days. You will receive oxaliplatin injection

on the first day only.

There are usually 14 days (2 weeks) between each chemotherapy treatment course.

It is important for you to keep all of your medical appointments. Call your doctor if you miss an appointment. There may be special instructions for you.

Treatment Day 1:

Oxaliplatin injection and leucovorin will be given through a thin plastic tube into a vein intravenous infusion or IV) and given for 2 hours. You will be watched by a healthcare provider during this time.
 Right after the oxaliplatin injection and leucovorin are given, 2 doses of fluorouracii will

be given. The first dose is given right away into your IV tube. The second dose will be given into your IV tube over the next 22 hours, using a pump device.

Treatment Day 2:

You will notget oxaliplatin injection on Day 2. Leucovorin and fluorouracil will be given

the same way as on Day 1.

The fluorouracil will be given through your IV with a pump. If you have any problems with the pump or the tube, call your doctor, your nurse, or the person who is responsible for your pump. Do not let anyone other than a healthcare provider touch your infusion pump or tubing.

What should I avoid while receiving oxaliplatin injection?

Avoid cold temperatures and cold objects. Cover your skin if you go outdoors in cold

Do not drink cold drinks or use ice cubes in drinks.

Do not drink cold drinks or use the clubes in drinks.

Do not put ice or ice packs on your body.

Oxaliplatin injection can cause dizziness, vision problems, or vision loss that can affect your ability to drive or use machines. You should not drive or operate machinery if you develop these symptoms while receiving oxaliplatin injection. See **"How can I reduce the side effects caused by cold temperatures?"** fo

more information.

Talk with your doctor and nurse about your level of activity during treatment with oxaliplatin injection. Follow their instructions.

What are the possible side effects of oxaliplatin injection?
Oxaliplatin injection can cause serious side effects, including:
See "What is the most important information I should know about oxaliplatin injection?"
Nerve problems.Oxaliplatin injection can affect how your nerves work and make you

Reel. Nerve problems may happen with the first treatment or within two days after your treatment with oxaliplatin injection. Nerve problems may last a short time (acute) or may become persistent. Symptoms may improve after stopping treatment with oxaliplatin injection. Exposure to cold or cold objects may cause or worsen nerve problems. Tell your doctor right away if you get any signs of nerve problems, including: overy sensitive to cold temperatures and cold objects.

trouble breathing, swallowing, or saying words, jaw tightness, odd feelings in you

o trouble breatning, swallowing, or saying words, jaw tightness, odd reelings in yoult tongue, or chest pressure o pain, tingling, burning (pins and needles, numb feeling) in your hands, feet, or around your mouth or throat, which may cause problems walking, fall and fall-related injuries, oi problems performing activities of daily living For information on ways to lessen or help with nerve problems, see the section "**How**

an I reduce the side effects caused by cold temperatures?" below

Severe low blood cell counts (myelosuppression). Oxaliplatin injection when used with fluorouracil and leucovorin can cause low blood cells counts. Low blood cell ounts are common with oxaliplatin injection when used with fluorouracil and leucovorin counts are common with oxalipatin injection when used with fluorouracil and leucovorin and can lead to serious infection and death. Your doctor will do blood tests to check your blood cell counts before starting oxaliplatin injection and during treatment. Tell your doctor right away if you have a fever greater than 100.9°F (38.3°C) or a prolonged fever greater than 100.4°F (38°C) for more than one hour (febrile neutropenia). Call your doctor right away if you get any of the following signs of infection:

o chills or shivering

o pain on swallowing

o redness or swelling at intravenous site

sore throat o persistent diarrhea

cough that brings up mucus

Posterior Reversible Encephalopathy Syndrome (PRES).PRES is a rare condition
and affects the brain. Tell your doctor right away if you have any of the following signs
nd symptoms of PRES:

headache confusion or a change in the way you think

seizures

vision problems, such as blurriness or vision loss

o vision problems, Oxion as butniness or vision loss

Lung Problems. Oxaliplatin injection can cause lung problems that may lead to death
fell your doctor right away if you get any of the following symptoms as these may be
adicators of a serious lung disease:

shortness of breath o couah

wheezing

Liver problems (hepatotoxicity). Your doctor will do blood tests to check your live
hen you start receiving oxaliplatin injection, and before each treatment course a

Heart problems.Oxaliplatin injection can cause heart problems that have led to eath. Your doctor may do blood and heart tests during treatment with oxaliplatin ijection if you have certain heart problems. If you faint (lose consciousness), or have an regular heartbeat or chest pain during treatment with oxaliplatin injection, get medica lelp right away as this may be a sign of a serious heart condition.

"• Muscle problems. Oxaliplatin injection can cause muscle damage (rhabdomyolysis) which can lead to death. Tell your doctor right away if you have muscle pain and welling, along with weakness, fever, red-brown urine, decreased amount of urine or rouble urinating.

**Bleeding problems (hemorrhage).Oxaliplatin injection when used with fluorouracii and leucovorin can cause bleeding problems (hemorrhage) that can lead to death. Your city of the brothers are the case of the

risk of bleeding may increase if you are also taking a blood thinner medicine. Tell your healthcare provider if you have any signs or symptoms of bleeding, including:

o blood in your stools or black stools (looks like tar)

ruising

o weakness

or brown urine

o confusion unexpected bleeding, or bleeding that is severe or you cannot control o changes

vomit blood or vomit that looks like coffee grounds neadache that lasts a long time

cough up blood or blood clots

The most common side effects of oxaliplatin injection include:

imbness, pain, tingling, and burning along the nerves function tests

diarrhea

changes

low white blood cells (blood cells important for fighting infection)

vomiting

low platelet count (important for clotting and to control bleeding) low red blood cells (blood cells that carry oxygen to the tissues)

 tiredness • mout

Oxaliplatin injection may cause fertility problems in males and females. Talk to your doctor if this is a concern for you.

Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of oxaliplatin injection. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800¬-FDA-1088.

How can I reduce the side effects caused by cold temperatures?

Cover yourself with a blanket while you are getting your oxaliplatin injection infusion.
Do not breathe deeply when exposed to cold air.

Wear warm clothing in cold weather at all times. Cover your mouth and nose with scarf or a pull-down cap (ski cap) to warm the air that goes to your lungs.
Wear gloves when taking things from the freezer or refrigerator.

Drink fluids warm or at room temperature.

Always drink through a straw.

Do notuse ice chips if you have nausea or mouth sores. Ask your doctor about wha

Do notuse the chips in you have housed or indeed and the court of the

Always let your doctor know **before**your next treatment how well you did since you st visit.

Your doctor may have other useful tips for helping you with side effects

General information about the safe and effective use of oxaliplatin injection Medicines are sometimes prescribed for purposes other than those listed in the Patier Information leaflet.

information learnet. You can ask your doctor or pharmacist for information about oxaliplatin injection that it written for health professionals.

What are the ingredients in oxaliplatin injection? Active ingredient: Oxaliplatin, USP

nactive ingredient: water for injection



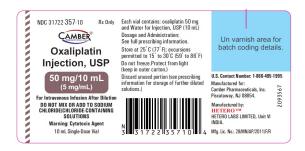
Manufactured for: **Camber Pharamceuticals, Inc.** Piscataway, NJ 08854

Manufactured by: **HETERO LABS LIMITED** Unit VI, Polepally, Jadcherla, Mahabubnagar - 509 301, India

This Patient Information has been approved by the U.S. Food and Drug Administration. Revised: 06/2025

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

Oxaliplatin Injection, USP 50 mg/10 mL (5 mg/mL) vial



Oxaliplatin Injection, USP 50 mg/10 mL (5 mg/mL) carton



Oxaliplatin Injection, USP 100 mg/20 mL (5 mg/mL) vial





٠.	XALIPLAT aliplatin inject	TIN ion, solution,	concentrate			
P	roduct Info	rmation				
Pr	oduct Type		HUMAN PRESCRIPTION DRUG	Item Code	(Source)	NDC:31722-357
Ro	oute of Admir	nistration	INTRAVENOUS			
A	ctive Ingred	dient/Active	Moiety			
		Ingredi	ient Name	Basis	of Strength	Strength
0)	ALIPLATIN (UN	III: 04ZR38536J) ((OXALIPLATIN - UNII:04Z R38536J)	OXALIPLA	TIN	50 mg in 10 mL
In	active Ingr	edients				
		Ing	redient Name		St	trength
	active Ingr	Ing	redient Name		St	trength
w		Ing	redient Name		St	trength
w.	ATER (UNII: 059	Ing IQF0KO0R)	redient Name ackage Description			
Pa	ATER (UNII: 059	Ing IQF0KO0R)			ting Start	Marketing End
Pa	ackaging Item Code	Ing QF0K00R) Pi	ackage Description	D	ting Start	Marketing End
War	ackaging Item Code	Prin 1 CARTON	ackage Description	D	ting Start	Marketing End
# 1	ackaging Item Code NDC:31722-357-10	Prin 1 CARTON	ackage Description SINGLE-DOSE; Type 0: Not a adduct	D	ting Start	Marketing End
# 1	ackaging Item Code NDC:31722-357-10	QF0KOOR) Pi 1 in 1 CARTON 10 mL in 1 VALL Combination Pro	ackage Description SINGLE-DOSE; Type 0: Not a adduct	01/27/202	ting Start Date	Marketing End

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JAC	iiipiatiii iiijeti	ion, solution,	concentrate		
Pi	roduct Info	rmation			
Pr	oduct Type		HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:31722-358
Ro	ute of Admi	nistration	INTRAVENOUS		
Ac	tive Ingre	dient/Active	Moiety		
			ent Name	Basis of Strength	Strength
οх	ALIPLATIN (UI	III: 04ZR38536J) (OXALIPLATIN - UNII:04Z R38536J)	OXALIPLATIN	100 mg in 20 mL
		Ing	redient Name	9	Strength
w	ATER (UNII: 059	,	redient Name	5	Strength
	ATER (UNII: 059	,	redient Name	9	Strength
Pa		QF0KO0R)	redient Name ackage Description	Marketing Start	·
Pa #	ackaging	QF0KO0R)		Marketing Start	Marketing End
Pa #	ackaging Item Code	QF0KO0R) P: 1 in 1 CARTON	ackage Description	Marketing Start Date	Marketing End
Pa #	ackaging Item Code	QF0KO0R) Pi 1 in 1 CARTON 20 mL in 1 VIAL	ackage Description	Marketing Start Date	Marketing End
Pa # 1	Item Code NDC:31722- 358-20	QF0KO0R) Pi 1 in 1 CARTON 20 mL in 1 VIAL	ackage Description SMCLE-DOSE: Type 0: Not a	Marketing Start Date	Marketing End
Pa # 1	Item Code NDC:31722- 358-20	Properties of the second secon	ackage Description SMCLE-DOSE: Type 0: Not a	Marketing Start Date	Marketing End

Labeler - Camber Pharmaceuticals, Inc. (826774775)							
Establishment							
Name Address ID/FEI Business Operations							
Hetero Labs Limited Unit VI		650452548	manufacture(31722-357, 31722-358)				

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