

These highlights do not include all the information needed to use Oxaliplatin Injection safely and effectively. See full prescribing information for Oxaliplatin Oxaliplatin Injection. Solution. Concentrate for Intravenous use

Initial U.S. Approval: 2002

WAKNING: ANAPHYLACTIC REACTIONS See full prescribing information for complete boxed warning. Anaphylactic reactions to Oxaliplatin injection have been reported, and may occur within minutes of Oxaliplatin injection administration. Epinephrine, corticosteroids, and antihistamines have been employed to alleviate symptoms. (5.1)

symptoms. (6.1)

Oxelipatin Injection is a platinum-based drug used in combination with infusional full recommendation of the process of the principal complete rescent on of the primary tumor.

Treatment of advanced colorectal cancer, (1)

complete resection of the primary fumor.
treatment of advanced colorectal common.
Administer Oxaliplatin Injection in combination with 5-fluorouracil/Peucovorin
every 2 weeks. (2.1)

Administer Oxaliplatin Injection in combination with 5-fluorouracil/Peucovorin
every 2 weeks. (2.1)

Fluorouracil Peucovorin
SW Destrose Injection, USP and leucovorin 200 mg/m² intravainstaliant in 55%. Destrose Injection, USP both given over 120 minutes
instaliant in 55%. Destrose Injection, USP both given over 120 minutes
and the same time in separate bags using a V-line, Cillowed by 5-fluorouracil
400 mg/m² intravenous bolus given over 2-4 minutes, followed by
5-fluorouracil 600 mg/m² intravenous instaliant over 120 minutes
10-by 2_leucovin 200 mg/m² intravenous instaliant over 120 minutes
10-by 2_leucovin 200 mg/m² intravenous instaliant over 120 minutes
10-by 2_leucovin 1200 mg/m² intravenous instaliant over 120 minutes
10-by 2_leucovin 1200 mg/m² intravenous instaliant over 120 minutes
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RNING
INDICATIONS AND USAGE
DOSAGE AND ADMINISTRATION

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Full Prescribing Information WARNING: ANAPPH/LACTIC REACTIONS

Anaphylactic reactions to Oxaliplatin injection have been reported, and may occur within minutes of Oxaliplatin injection administration. Epinephrine, cordiosteroids, and artihistamines have been employed to alleviate symptoms of anaphylaxis. Jose Warnings and Precautions (5.1)!

JINICACTIONS AND LINGAE

- MINICACTIONS AND LINGAE

- MIN

Imploms of anaphylaxis. [see Warnings and Precautions (6.1)]

MIDICATIONS AND USAGE

Dealiplatin Injection, used in combination with infusional 5-fluorouracityle leacovorni, is indicated for:

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

• treatment of advanced colorectal cancer:

DESAGE AND ADMINISTRATION

Dealiplatin Injection should be administered under the supervision of a qualified physician experience of in the use of cancer chemotherspeatic agents, adequate diagnostic and treatment facilities are readily available.

Descae

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The administration of Oxaliplatin Injection does not require prehydration. Premedication with antiemetics, including 5-HT₃ blockers with or without dexameltasone, is recommended. For information on 5-fluorouracil and leucovorin, see the respective package inserts.

For information on 3-indorduration and leutoworm, see the respective package inserts.

Dose Modification Recommendations

Prior to subsequent therapy cycles, patients should be evaluated for clinical toxicities and recommended laboratory tests; See Warnings and Precautions (3-6), Protongation of Indiason time for Oxalipatin injection from 2 hours to 6 hours may mitigate acute toxicities. The intision times for 3-hororunacil and Adjuvant Therapy in Patients with State III. 2010. Cape Company of the Company of th

Does Modifications in Therapy in Previously Intreated and Previously. Treated Patients with Advanced Coloracid Cancer

Patients with Advanced Coloracid Cancer

Neuropathy was graded using a study-specific neurotoxicity scale (see Warnings and Previously Treated Patients with Advanced Coloracid Cancer

Neuropathy was graded using a study-specific neurotoxicity scale (see Warnings and Prevautions (5.2)). Other toxicities were graded by the NCIC, Version 2.0.

For patients who experience persistent Grade 2 neurosensory events that do not resolve, a dose reduction of Oxaliplatin Injection to 65 mg/m² should be considered. For patients with presistent Grade 3 neurosensory events, discontinuing therapy should be considered. The 5-fluororuscalifeucovorin experience produced to a step of the patient select necessary from grade 3 fluorouscali by 20%, (300 mg/m² bolts and 500 mg/m² 22-hour infusion) is recommended for patients after recovery from Grade 3/4 gastrointestand (despite prophylactic treatment) or Grade 4 neutropenia or Grade 3/4 thrombocytopenia. The next does should be delayed until: neutrophils ≥1.5 x 10½ and platelets ≥75 x 10½.

The preparation to delayed until neutrophils ≥1.5 x 10°/L and platelets ≥75 x 10°/L.

Preparation of Infusion Solution
Do not freeze and protect the concentrated solution from light.

A final dilution must never be performed with a sodium chloride solution or other chloride-containing solutions.

The solution must be utruther diluted in an infusion solution of 250-500 mL of 5% Dextrose ligiection, USP.

After dilution with 200-500 mL of 5% Dextrose Injection, USP, the shelf life is 6 hours at room temperparature [20-25°C (68-77°F)] or up to 24 hours under required.

Osaliplatin Injection is incompatible in solution with advantage to the prediction of the production of requireu.

Osciliplatin Injection is incompatible in solution with alkaline medications or media (such as basic solutions of 5-fluorouracil) and must not be mixed with these or administered simultaneously through the same infusion line. The lintuision line should be flushed with 5% Dextrose Injection, USP prior to administration of any concernitant medication.

administration of any concomilant medication.

Parenteral drug products should be inspected visually for particulate matter and discolaration prior to administration and discarded if present. Needles or intravenous administration aets containing aluminum parts that may come in contact with Ozaliplatin injection should not be used for the preparation or mixing of the drug. Aluminum has been reported to cause DOSAGE FORMS AND STREMENT STREMENT OF A CONTRAINING STREMENT OF A CONTRAINI of s mg/m...

CONTRAINDICATIONS

Oxaliplatin Injection should not be administered to patients with a history of known allergy to Oxaliplatin Injection or other platinum compounds [see Warnings and Precautions (5.11).

WARNINGS AND PRECAUTIONS

Allergic Reactions

See Boxed Warning in, including anaphylactic/anaphylactor reactions, to Oxaliplatin Injection has been observed in 2-3% of colon cancer patients. These

may require discontinuation of therapy. Drug-related deaths associated with platinum compounds from anaphylaxis have been reported.

Neuropathy
Osalipatian injection is associated with the hypes of neuropathy:
Osalipatian injection is associated with the hypes of neuropathy:
Osalipatian injection is associated with the hypes of neuropathy:
Osalipatian injection is associated with the hypes of neuropathy that is of any osalipatian injection with one one to be drays of design, that resolves within 14 days, and that frequently recurs with further dosing, that resolves within 14 days, and that frequently recurs with further dosing, that resolves within 14 days, and that frequently recurs with further dosing, dysesthesia and hyposethesia in the hands, feet, perioral area, or throat. Jaw spasm, abnormal tongue sensation, dysarthria, eye pain, and a feeling of chest pressure have also been observed. The acute, reversible patient of sensory neuropathy was observed in about 56% of study, patients who received Osalipath injection with 5-Incorourableocovorin, in any intention is adjuvant patients, the median cycle of onset for Grade 3 peripheral sensory neuropathy was 9 in the previously treated patients, its medial number of cycles administered on the Osalipatian injection with 5-Incorouracilleocovorin combination arm was 6.

An acute syndrome of pharyngolaryngeal dysesthesia seen in 1-2% (Grade 34) of plantests previously untreated for advanced colorectal cancer, and the previously treated patients, is characterized by subjective sensations of dysphagia or dyspheagia Table 1 - NCI CTC Grading for Neuropathy in Adjuvant Patients

le 2 -Grading Scale for Paresthesias/Dysesthesias in Advan Cancer Patients Definition Resolved and did not interfere with functioning
Interfered with function but not daily activities
Pain or functional impairment that interfered with daily activities
Persistent impairment that is disabling or life-threatening

12 25 Neurology

Neurology Although specific events can vary, the overall frequency of adverse rea-was similar in men and women and in patients <56 and <55 years. How the following Grade 3/4 events were more common in fernales: dier fatigue, granulocytopenia, nausea and vomiting, in patients <56 years the incidence of Grade 3/4 diarrhea and granulocytopenia was higher th younger patients. Insufficient subgroup sizes prevented analysis of safet

younger patient race. The follow 5% of the pat leuconorin comit and the second for the secon	ining additi- lients in this lients	onal adverse or oxidate and adverse or Oxalipatin mr (listed in se, coughing ho develope extens oxidate) oxidate and oxidate a	reactions, reactions, injection and decreasing injection and several s	were rep of influence of the control	orted in ≥ mal 5-fluor in ≥ mal 5-fluor in ≥ mal 5-fluor in the ir do that the bxaliplatin eucovorin in the 0 mal 5-fluor mown. Er xxaliplatin eucinor in the 0 mal 5-fluor mown. Er ixxaliplatin in the 0 mal 5-fluor mown in Tat ith gastroi on is adm eviously utility, was bination, olatin Injec y were 2. Ination, 5. xxaliplatin mexicusly utility.	22% a simil my simil
≥5% and for Gra Table 5 -Adverse Advanced Colorect	Reactions al Cancer N Oxal Injection	Reported in	Patients	Previously all patient ecan + J/LV	y Untreat ts and wi Oxalip Inject + iring N=2	th ≥1 platin tion otecar
Adverse	All	Grade	All	Grade	All	Grad
Reaction (WHO/Pref)	Grades (%)	(%)	Grades (%)	3/4 (%)	Grades (%)	3/4
Any Event	99	82	98	70	99	76
Hypersensitivity	12	Allergy/Imm	unology 5	0	6	1
Пурстаспашчи	12	Cardiovas				
Thrombosis	6	5	6	6	3	3
Hypotension	5	3 al Symptoms	6 /Pain/Oa	Jar/Micus	4	3
Fatigue	70	7	58	11	66	16
Abdominal Pain	29	8	31	7	39	10
Myalgia	14	2	6	0	9	2
Pain Vision abnormal	7 5	0	5 2	1	6	1
Neuralgia	5	Ō	0	0	2	1
Skin reaction – hand/foot	7	Dermatolog 1	y/Skin 2	1	1	0
Injection site reaction	6	0	1	0	4	1
		Gastrointe				
Nausea	71 56	6 12	67 65	15 29	83	19
Diarrhea Vomiting	41	4	43	13	76 64	25
Stomatitis	38	0	25	1	19	1
Anorexia	35	2	25	4	27	5
Constipation	32	4 2	27	7	21	2
Diarrhea-colostomy Gastrointestinal	13		16		16	3
NOS*	5 H	2 lematology/l	4 nfection	2	3	2
Infection normal	10	4	5	1	7	2
ANC**	8	8	12	11	9	8
Infection low ANC** Lymphopenia	6	2	12 4	11	5	2
Febrile neutropenia	4	4	15	14	12	1
		Metabolic/L				_
Hyperglycemia Hyperglycemia	14	3	7	3 4	12 6	3
Hypokalemia Dehydration	9	5	16	11	14	7
Hypoalbuminemia	8	ő	5	2	9	1
Llumonotromio		1 2	7		4	1 1

(

Usecontinue uxalipiant injection it there are persistent trade s' neurosensory events. (2.2)
 Never reconstitute or prepare final dilution with a sodium chloride solution or other chloride-containing solutions. (2.3)
 Single-use vials of 50 mg or 100 mg oxalipiatin as a sterile, preservative-free, aqueous solution at a concentration of 5 mg/mit. (3)
 Known allergy to 0xalipiatin injection or other platinum compounds (4, 5.1).

 Mannikos AND PRECAUTIONS
 Allergic Reactions: Monitor for development of rash, urticaria, erythema, pruritis, bronchospasm, and hypotension. (5.1)
 Neuropathy: Reduce the dose or discontinue 0xalipiatin injection if necessary. (5.2)
 Pulmonary Toxicity: May need to discontinue 0xalipiatin injection util interstitial lung disease or pulmonary fitnosis are excluded. (5.3)

Recursion of the continue of

To report SUSPECTED ADVERSE REACTIONS, contact Parenta Pharmaceuticals at 1-800-898-9948, or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch. See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.

Revised: April 2009

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13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
14 CLINICAL STUDIES
14.1 Combination Adjivant Therapy with Oxaliplatin Injection and Infusional
5-fluorouracifilexocore in Patients with Stage I or III Colon Cancer
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14.3 Combination Therapy with Oxaliplatin Injection and 5-fluorouracifi
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*Sections or subsections omitted from the full prescribing information are not listed.

Neuro-sensory Neuro NOS*

**Not otherwise specified **
**Absolute neutrophil count Table 6 provides adverse reactions reported in the previously untreated for advarcolorectic acner study (see C linical Studies (14/4)) by body system and decreated order of frequency in the Osalipatin injection and 5-fluorouncal/flexod combination arm for events with overall incidences 25% but with incide <-1% NOI Grade 344 events. Table 6 -Adverse Reactions Reported in Patients Previously Untreated for Advanced Colorectal Cancer Clinical Trial (>5% of all patients but with < 1% NCI Grade 3/4 events)

Dyspnea Hiccups

Oxaliplatin Injection + irinotecan N=258 All Grades (%) Oxaliplatin Injection + 5-FU/LV N=259 All Grades irinotecan 5-FU/LV N=256 All Grad Adverse Reaction (WHO/Pref) (%) Allergy/In ınology

Cardiovascular

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					
Dermatology/Skin								
Alopecia	38	44	67					
Flushing	7	2	5					
Pruritis	6	4	2					
Dry Skin	6	2	5					
	Gastroir							
Taste perversion	14	6	8					
Dyspepsia	12	7	5					
Flatulence	9	6	5					
Mouth Dryness	5	2	3					
	Hematolog							
Fever normal ANC*	16	9	9					
	Hepatic/Metabolic							
Hypocalcemia	7	5	4					
Elevated Creatinine	4	4	5					
	Neur							
Insomnia	13	9	11					
Depression	9	5	7					
Dizziness	8	6	10					
Anxiety Absolute neutrophi	5	2	6					
Adverse reactions were similar in men and women and in patients <55 and <65 years, but older patients may have been more susceptible to diarrhea, dehydration, hypokalemia, leukopenia, fatigue and syncope. The following additional adverse reactions, at least possibly related to treatment and potentially important, were reported in 2-2% and <5% of the patients in the Oscillptain injection and <5-floworcast/leucovenix combination arm (listed in oscillptain injection and of-shoop compared to the patients in the vertigo, prothrombin time, pulmonary, rectal bleeding, dysuria, nail changes, chest pain, rectal pain, syncope, hypertension, hypoxia, unknown infection, bone pain, pigmentation changes, and unitearia. Previously Treated Patients with Advanced Coloroctal Cancer Four hundred and fifty patients (about 150 receiving the combination of Oxalipatin injection and 5-fluorocracificucovorini) were studied in a randomized trial in patients with refractory and relapsed coloroctal cancer [see Clinical Studies 1/4]. The adverse reaction profile in this study was similar to that seen in other studies and the adverse reactions in this trial are shown in Table 7 and Table 8.								
Table 2 and Table 6. Thirteen percent of patients in the Oxaliplatin Injection and 5-fluoroursal/I eleucovorin combination arm and 18% in the 5-fluoroursal/Ileucovorin arm of the previously treaded study had to discontinue treatment because of adverse effects related to gastrointestinal, or hematologic adverse reactions, or neuropathies. Both 5-fluoroursal and Oxaliplatin Injection are associated with gastrointestinal and hematologic adverse reactions. When Oxaliplatin Injection is administered in combination with 5-fluoroursal; the incidence of these events is increased. The incidence of death within 30 days of treatment in the previously treated								

is administration of monitorial to the provincial production of the provincial production of the produ

Oxaliplatin Injection (N = 153) | (14 = 153) | (14 = 153) | All Grades | Grade 3/4 | All Grades | Grade 3/4 | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) |

Cardiovascular

5-FU/LV (N = 142)

(%) 98

Nausea	59	4	64	4	65	11		
Vomiting	27	4	37	4	40	9		
Stomatitis	32	3	14	0	37	3		
Abdominal Pain	31	5	31	7	33	4		
Anorexia	20	1	20	2	29	3		
Gastro-	3	0	1	0	5	2		
esophageal								
Reflux								
			logy/Infecti					
Fever	23	1	25	1	29	1		
Febrile	1	1	0	0	6	6		
Neutropenia	L							
			olic/Laborat			4		
Hypokalemia	3	1	3	2	9			
Dehydration	6	4	.5	3	8	3		
			eurology					
Neuropathy	17	0	76	7	74	7		
Acute	10	0	65	5	56	2		
Persistent	9	0	ns reporte	3	48	6		
in the Oxal events with events. Table 8 -Advers	iplatin Inje n overall in se Reactio	ction and 5 cidences ≥ ons Reporte		I/leucovorir incidence usly Treat	combinat s <1% NC	ion arm f I Grade 3 tal Cance		
		5-FU/LV (N = 142)	Oxa Inj	Oxaliplatin Injection (N = 153)		Oxaliplatin Injection + 5-FU/LV		
			<u> </u>			(N = 150) All Grades		
Adverse React (WHO/Pref)	ion F	All Grades (%)		Grades (%)		irades %)		
(/Immunolo			,-,		
Rhinitis		4		6	1	15		
Allergic Reactio	n	1		3		10		
Rash	"	5	_	5	9			
nasii			l'acces accelace			9		
	_		liovascular		_			
Peripheral Eden		11		5		10		
	Constitu		ptoms/Pair					
Headache	_	8		13		17		
Arthralgia		10		7	_	10		
Epistaxis		11		2		9		
Abnormal Lacrimation		6		1		7		
Rigors		6		9		7		
riigoro			atology/Ski			-		
Hand-Foot		13	.tology/old	1		11		
Syndrome								
Flushing		2		3		10		
Alopecia		3		3	1	7		
			rointestina					
Constipation		23		31		32		
Dyspepsia		10		7		14		
Taste Perversion	n	1		5		13		
Mucositis		10		2		7		

Upper Resp Tract Adverse reactions were similar in men and women and in patients—68 and 368 years, but older patients may have been more succeptible to dehydration, diarrhea, hypokalemia and fatigue. The following additional adverse reactions, at least possibly related to treatment and potentially important, were reported in 25% and <5% of the patients in the Noalipatin injection and 5-fluorouracil/leucovorin combination arm (listed in decreasing order of frequency); anvelse, myaliga, erytheradious rash, increased sweating, conjunctivitis, weight decrease, dry mouth, rectail hemorrhage, depression, ataxa, ascites, hemorrholds, muscle weakness, nervousness, facilitycardia, ataxa, ascites, hemorrholds, muscle weakness, nervousness, facilitycardia, vaginal hemorrhage, melena, somolence, pneumonia, proclitis, involuntary president and the screption of those events occurring in adjuvant patients and anemia in the patients previously uniterated for advanced colorectal cancer, respectively, which are based on AE reporting and NG grade alone.

Table 9 -Adverse Hematologic Reactions in Patients with Colon Cancer Receiving Adjuvant Therapy (:25% of patients)

Oxalipatin hipection + 5-FULV. Parameter
Anemia able 10 -Adverse Hematologic Reactions in Patients Previous Advanced Colorectal Cancer (≥5% of patients) Oxaliplatin
Injection +
5-FU/LV
N=259

All Grades (%) 3/4 (%)
27 3 Inje. irinotece. N=258

All Grade rades 3/4

(%) (%) 5-FU/LV N=256 Grade 3/4 (%) AII Hematology Parameter Anemia Leukopenia Grades (%) Grades (%) Leukopenia Neutropenia Thrombocytopenia

/Laboratory/Rena

 \bigoplus

iveuu upeilia	23	J	-	U	13	44	
Thrombocytopenia	20	0	30	3	64	4	
Thrombocytopenia and Bleeding Thrombocytopenia was frequently reported with the combination of Ozaliplatin injection and infrusional 5-fluorouracil/leucovorin. The incidence of all hemorrhagic events in the adjuvant and previously treated patients was higher on the Ozaliplatin injection combination arm compared to the influsional 5-fluorouracil/leucovorin arm. These events included gastrointestinal bleeding, hematuria, and epistaxis. In the adjuvant trial, two patients ided from intracerebral hemorrhages. The incidence of Grade 3/4 thrombocytopenia was 2% in adjuvant patients							
The incidence of Grade 3/4 thrombocytopenia was 2% in adjuvant patients with colon cancer. In platients breated for advanced colorectal cancer, the incidence of Grade 3/4 thrombocytopenia was 3-5%, and the incidence of these events was greater for the combination of Oxalipatin Injection and 5-fluorouracil/leucovorin over the irinolecan plus 5-fluorouracil/leucovorin was reported in 0.2% of adjuvant patients receiving Oxalipatin Injection and of epistative was 10% in the Chalipatin Injection and of epistative was 10% in the Chalipatin Injection and 5-fluorouracil/leucovorin arm, and 2% and 1%, respectively, in the irinolecan plus 5-fluorouracil/leucovorin or irinolecan plus Soulidatin Injection arms.							
Meutopenia was frequently observed with the combination of Oxaliplatin injection and 5-fluorouraci/leucoverin, with Grade 3 and 4 events reported injection and 5-fluorouraci/leucoverin, with Grade 3 and 4 events reported in Grade 3 and 4 events were reported in Grade 3 and 4 events were reported in 35% and 18% of the patients previously unfreated for advanced concretal cancer, respectively. Grad 3 and 4 events were reported in 35% and 18% of the patients previously unfreated for advanced concretal cancer, respectively. Grad 3 and 4 events were reported in 27% and 17% of previously treated patients, respectively. In adjuvant patients the incidence of either febrile neutropenia (0.7%) or documented infection with concomitant Grade 3/4 neutropenia (1.1%) was 1.8% in the Oxaliplatin injection and 5-fluorouraci/leucovorin arm and 4% (less than 1% of cycles) in the Oxaliplatin injection and 5-fluorouraci/leucovorin with Grade 3 of 4 neutropenia was 15% (13% of cycles) in the Oxaliplatin injection and 5-fluorouraci/leucovorin combination arm. Additionally, in this same population, infection combination. The incidence of efterin entropenia in the previously treated combination. The incidence of efterin entropenia in the previously treated combination. The incidence of efterin entropenia in the previously treated continuation arm.							

untraction of provincial adverse reactions in the previous untracted and previously treated patients appears to the similar across cypremedication with antimetics, including 5-HT, blockers, is recommen Diarrhea and muscositis may be exacertated by the addition of Oxalia injection to 5-fluorouraci/lieucovorin, and should be managed with appropriation of the contraction of the provincial contraction of the cont

Table 12 -Adverse Hepatic Reactions in Patients with Stage II or III Colon Cancer Receiving Adjuvant Therapy (≥5% of patients) Oxaliplatin Injection + 5-FU/LV (N=1108) Grade 3/4 (%) All Grades (%) All Grades (%) Grade 3/4 (%) Hepatic Parameter 57

Table 13 -Adverse Hepatic – Clinical Chemistry Abnormalities in Patients Previously Untreated for Advanced Colorectal Cancer (≥5% of patients)

irinotecan + 5-FU/LV N=256

20

Oxaliplatin Injection + irinotecan N=258

All Grade Grades 3/4 (%) (%)

20

All Grades (%) Grade 3/4 (%) All Grades (%) Grade 3/4 (%)

17 16

Oxaliplatin Injection + 5-FU/LV N=259

Bilirubinaemia

Clinical Chemistry
ALT (SGPT-ALAT)
AST (SGOT-ASAT)

Beatal About 5-10% of patients in all groups had some degree of elevation of serum creatinine. The incidence of Grade 3/4 elevations in serum creatinine in the Oxalipation injection and 5-fluorouncoll/eucovorin combination arm was 1% in the previously treated patients. Serum creatinine measurements were not reported in the adjuvant trial.

Hepatics in the depth of the Hepatics (Hepatics in the Hepatics) (Hepatics) (

All Grades 3/4 (%) (%)
28 3
39 2
22 6 Clinical Chemistry ALT (SGPT-ALAT) AST (SGOT-ASAT)

	combination arm, respectively.
6.2	Postmarketing Experience The following adverse reactions have been identified during post-approval use of Oxaliplatin hijection. 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. Body as a whole
	angioedema, anaphylactic shock
	Central and peripheral nervous system disorders: loss of deep tendon reflexes, dysarthria, Lhermitte's sign, cranial nerve palsies, fasciculations, convulsion
	Liver and Gastrointestinal system disorders: severe diarrheal/omitting resulting in hypokalemia, colitis (including Clostridium difficile diarrheal), metabolic acidosis; ileus; intestinal obstruction, pancreatitis; veno-occlusive disease of liver also known as sinusoidal obstruction syndrome, and perishusoidal fibrois which rarely may progress
	Hearing and vestibular system disorders: deafness
	Platelet, bleeding, and clotting disorders: immuno-allergic thrombocytopenia prolongation of prothrombin time and of INR in patients receiving anticognulation.

Vision disorders: decrease of visual acuity, visual field disturbance, optic neuritis and transient vision loss (reversible following therapy discontinuation) DRUG INTERACTIONS DRUG INTERACTIONS

DRUG INTERACTIONS
No specific optochrome P-450-based drug interaction studies have been conducted. No harmanoximetic interaction between 85 mg/m² Challentin ligicition and 5-fluoroursal/legouvorin has been observed in patients breated every 2 weeks. Increases of 5-fluoroursal/legouvorin has been observed in patients treated every 2 weeks. Increases of 5-fluoroursal/legouvorin injection dosed every 3 weeks. Because platinum-ontalinian species are eliminated primarily through the kidney, clearance of these products may be decreased by coadministration of potentially nephrotoxic compounds, although, this has not been specifically studied (see Clinical Pharmacology (12-2)).





5-FU/LV N=1111

All Grades (%)

Grade 3/4 (%) Alleray/Immunology Constitutional Symptoms/Pain

Table 4 provides adverse reactions reported in the adjuvant therapy colon cancer clinical trial *[see Clinical Studies (14)]* by body system and decreasing order of frequency in the Oxaliplatin Injection and infusional 5-fluorouractif/decovorin arm for events with overall incidences 25% but with incidences -1% I/O Grade 3/4 Table 4 -Adverse Reactions Reported in Patients with Colon Cancer receiving Adjuvant Treatment (≥5% of all patients, but with <1% NCI Grade 3/4 events) Oxaliplatin Injection + 5-FU/LV N=1108 All Grades (%) Allergy/Immunology

onal Symptoms/Pain/Ocular/Visual

Adverse Reaction (WHO/Pref)

Epistaxis Weight Increase

Constitut

Rhinitis

Dealipatin infection has been observed when the control researches and alleright reactions which can be fatal, can occur within minutes of administration and at any cycle, and were similar in nature and severify to those reported with other platinum-containing compounds, such as rash, urticaria, erythema, pruritus, and, rarely, bronchospasm and hypotension. The symptoms associated with hypotensitivity restorations reported in the previously unfreated patients were urticaria, puritus, flushing of the face, diarrhea associated with propresensitivity research on seprendiar in the previously unfreated patients were urticaria, puritus, flushing of the face, diarrhea associated with scaliplatin introism, shortness of health, bronchospasm, diaphoresis, chespains, hypotension, disorneriation and syncope. These reactions are usually may require discontinuation of therapy. Drug-related deaths associated with platinum compounds from anaphylaxis have been reported.

de 3 Pain or functional impairment that Interfered with daily activities de 4 Persistent impairment that is disability or life-investienting over all neuropathy was reported in patients previously untreated for observed control and account of the 19% (and e34), and in the previously treated parents in 74% (all grades) and 7% (Grade 34), and in the previously treated greents in 74%, (all grades) and 7% (Grade 34), and in the previously treated greents in 74%, (all grades) and 7% (Grade 34), and in the previously treated greents in 74%, (all grades) and 7% (Grade 34), and the trial for patients who had not been previously treated for colorectal cancer. Pulmonary Toxicity

Oxalipatian Injection has been associated with pulmonary fibrosis (<1% of study patients), which may be Istal. The combined incidence of cough and dyspense was 7.4% (any grade) and <1% (Grade 3) with no Grade 4 everts in the Oxalipatian injection patients in the Oxalipatian injection combinated in the Oxalipatian injection ombination arm. The combined incidence of cough, dyspense and hypoxia satury, one patient died from essinophilic persemonia in the Oxalipatian injection patients in the Shade of the Oxalipatian injection patients and 4) in the influence place 5 incontrolleleucoviria man of unknown drades and 4) in the influence place 5 incontrolleleucoviria man of unknown drades and 4) in the influence place 5 incontrolleleucoviria man of unknown drades and 4) in the influence place 5 incontrolleleucoviria man of unknown drades of the oxalipatian injection place 5 incontrolleleucoviria man of unknown drades of the oxalipatian injection place 5 incontrolleleucoviria man of unknown drades of the oxalipatian injection oxalipatian injection the oxalipatian injection oxalipatian injection to excludes interestital lung disease or pulmonary filtors, and a kaline phosphatase (47% vs. 20%) was observed more commonly in the Oxalipatian injection combination arm than in the control oxalipatian injection in case of abnormal liver function test results or

Use in Pregnancy
Pregnancy Category
Doaliplatin Injection may cause fetal harm when administered to a pregnant
woman. There are no adequate and well-controlled studies of Oxaliplatin
injection in pregnant women. Women of childbearing potential should be
injection in pregnant women. Women of childbearing potential should be
injection. Jee Use in Specific Propulations (8.11)
Recommended Laboratory Tests
Sandard monitoring of the white blood cell count with differential, hemoglobin,
platelet count, and blood chemistries (including ALT, AST, bilintuin and
creatinine) is recommended before each Oxaliplatin Injection cycle [see
Dosage and Administration (2)].
There have been reports while on study and from post-marketing surveillance
of prolonged prothrombin time and INI's occasionally associated with
hemorrhage in patients who received Oxaliplatin Injection plus 5-fluorouracil/leacovorin while on anticoagulants. Patients receiving Oxaliplatin Injection plus
Futuroruscil/Userovorin and requiring oral anticoagulants may require closer
monitoring.

AVENSE REACTIONS

Diarrhea Overall Peripheral Sensory Neuropathy

hemormage in patients who received Oxaliplatin injection plus 5-fluorouracil/leucovorin while on anticoagularist. Patients receiving Oxaliplatin injection plus 5-fluorouracil/leucovorin and requiring oral anticoagularists may require closer ADVERSE REACTIONS
Clinical Trials Experience
Serious adverse reactions including anaphylaxis and allergic reactions. Serious adverse reactions including anaphylaxis and allergic reactions. Serious adverse reactions including anaphylaxis and allergic reactions. Adverse reactions for 11, and Procautions (6:1).

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of another drug and may not reflect the rates observed in practice. More than 1100 patients with state 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 advenced colorectal cancer have been treated in clinical studies with Oxaliplatin injection. The most common adverse reactions in experimentally adjournated the properties of the process of the pr Table 3 - Adverse Reactions Reported in Patients with Colon Cancer receiving Adjuvant Treatment (≥5% of all patients and with ≥1% NCI Grade 3/4 events)

Dermatology/Skin 11 3 10 Gastrointestinal

Dermatology/Skin Τ Т 28 Gastrointestinal 19 Metabolic

Table 1 - NCI CTC Grading for Neuropathy in Adjuvant Patients
Grade 0 No change or none Definition
Grade 0 No change or none
Grade 1 Mild paresthesias, loss of deep tendon reflexes
Grade 2 Mid or moderate objective sensory loss, moderate paresthesias
Grade 2 Mid or moderate objective sensory loss, moderate paresthesias
Grade 2 No change or none
Grade 1 Not applicable
Peripheral sensory neuropathy was reported in adjuvant patients treated with
the Oxaliphetin injection combination with a frequency of 92% (all grades) and
Grade 1 Not applicable
Peripheral sensory neuropathy was reported in adjuvant patients treated with
the Oxaliphetin injection combination with a frequency of 92% (all grades) and
Grade 1 and
Grade 2 and
Grade 3 and
Gr

acrimation Abnormal Constipation
Taste Perversion
Dyspensio Phosphate Alkaline Sensory Disturbance

Adverse Reaction (WHO/Pref)	All Grades (%)	Grade 3/4 (%)	All Grades (%)	3/4 (%)	All Grades (%)	3/4 (%)
Any Event	99	82	98	70	99	76
	-	Allergy/Imm	unology			
Hypersensitivity	12	2	5	0	6	1
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Cardiovas	cular			
Thrombosis	6	5	6	6	3	3
Hypotension	5	3	6	3	4	3
	etitutions	I Symptoms	/Pain/Ωcı	ılar/Visua		
Fatique	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
Vision abnormal	5	0	2	1	6	1
Neuralgia	5	0	0	0	2	1
recurargia		Dermatolog				
Skin reaction -						
hand/foot	7	1	2	1	1	0
Injection site reaction	6	0	1	0	4	1
		Gastrointe	stinal			
Nausea	71	6	67	15	83	19
Diarrhea	56	12	65	29	76	25
Vomiting	41	4	43	13	64	23
Stomatitis	38	0	25	1	19	1
Anorexia	35	2	25	4	27	5
Constipation	32	4	27	2	21	2
Diarrhea-colostomy	13	2	16	7	16	3
Gastrointestinal NOS*	5	2	4	2	3	2
	Н	ematology/l	nfection			
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
	Hepatic/	Metabolic/L		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
		Neurolo	gy			
Overall Neuropathy	82	19	18	2	69	7
Paresthesias	77	18	16	2	62	6
Pharyngo-laryngeal dysesthesias	38	2	1	0	28	1
a y coourio o ido						

ldw5elh5.indd 2

Oxalipation Injection.
Demnatologic
Oxalipation Injection did not increase the incidence of alopecia compared to
Oxalipatian Injection did not increase the incidence of alopecia compared to
Filuroruracii/leucovorin alone. No complete alopecia was reported. The
incidence of Grade 3/4 skin disorders was 2% in both the Oxalipatian Injection
plus infusional 5-fluroruracii/leucovorin adne institusional 5-fluroruracii/leucovorin alone arms in the adjuvant colon cancer patients. The incidence of
hand-foot syndrome in patients previously untreated for advanced colorectal
cancer was 2% in the innotecan plus 5-fluroruracii/leucovorin arm and 7%
in the Oxalipation injection and 5-fluroruracii/leucovorin combination arm
in the Oxalipation injection and 5-fluroruracii/leucovorin combination arm.
Intraverous Site Reactions Intravenous Sile Reactions

Extravasation, in some cases including necrosis, has been reported. Injection site reaction, including redness, swelling, and pain, has been reported. sale teaculor, including leuraless, swening, and pain, has very reported.

Anticoaguistion and Hemorthage
There have been reports while on study and from post-marketing surveillance
of prolonged prothrombin time and INN occasionally associated with
occasionally associated with
leuroportin while on anticoaguiants. Patients receiving Oralipitatin trijection plus
5-fluorouracifuleucovorin and requiring oral anticoaguiants may require closer
monitoring.

Banad

Table 14 -Adverse Hepatic – Clinical Chemistry Abnormalities in Previously Treated Patients (≥5% of patients) Oxaliplatin
Injection
(N=153)
All Grade
Grades 3/4
(%) (%) Oxaliplatin
Injection + 5-FU/LV
(N=150)
All Grade
Grades 3/4
(%) (%) 5-FU/LV (N=142)

	TITOTIDOETIDOISTI
	The incidence of thromboembolic events in adjuvant patients with colon cancer was 6% (1.8% Grade 3/4) in the infusional 5-fluorouracil/leucovorin arm and
	6% (1.2% Grade 3/4) in the Oxaliplatin Injection and infusional 5-fluorouracil/
	leucovorin combined arm, respectively. The incidence was 6 and 9% of the patients previously untreated for advanced colorectal cancer and previously
	treated patients in the Oxaliplatin Injection and 5-fluorouracil/leucovorin
	combination arm, respectively.
2	Postmarketing Experience
	The following adverse reactions have been identified during post-approval use
	of Oxaliplatin Injection. Because these reactions are reported voluntarily from a
	population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.
	Body as a whole:
	angioedema, anaphylactic shock
	Central and peripheral nervous system disorders:
	loss of deep tendon reflexes, dysarthria, Lhermitte's sign, cranial nerve palsies,
	fasciculations, convulsion
	Liver and Gastrointestinal system disorders:

Renal disorders: acute tubular necrosis, acute interstitial nephritis and acute renal failure Respiratory system disorders: pulmonary fibrosis, and other interstitial lung diseases (sometimes fatal)

Red Blood Cell disorders: hemolytic uremic syndrome, immuno-allergic hemolytic anemia

(12.3)

1. Separatory

Including the Committee the usual management of the Committee the Commit

paresthesia (60%, 63/4; 7%), tever (40%, 63/4; 7%) and thrombocytopenia (40%, 63/4; 7%) were the main adverse reactions. No responses were observed.

In a second Phase I study, oscilplatin was administered to 26 pediatric patients as a 2-hour intravenous infusion on day I every 3 weeks (10 yed) at 5 dose of 6 cycles. In a separate cohort, oxaliplatin 85 mg/m² was administered on day I every 2 weeks, for a maximum of 9 doses. Patients had metastatic or mursescitable solid tumors mainly neuroblastoma and geniloneuroblastoma. No responses were observed. The DLT was sensory neuropathy at the 10 mg/m² dose. Based on these studies, oxaliplatin 130 mg/m² as a 2-hour intravenous infusion on day I every 3 weeks (1 cycle) was used in subsequent Thase II studies. A dose of 85 mg/m² on day I every 2 weeks was also found to be tolerable.

In one Phase Study, 43 pediatric patients with recurrent or refractory expensive the study of the patients of the comparing the patients of the comparing the patients of the comparing the comparing the patients of the comparing the comparing

not conclusive. Insufficient supprises prevented analysis by race. Patients 256 years necting the Oxaliplatin injection combination therapy experienced more grade 3-4 granulocytopenia than patients -65 years of age (45% versus of the previously untreated for advanced colorectal cancer randomized clinical trial size Clinical Studies (141) of Oxaliplatin injection, 160 patients treated with Oxaliplatin injection and 5-fluorouracil/leucovoin were -65 years and 99 patients were ≥65 years. The same efficacy improvements in response rate, time to turnor progression, and overall survival were observed in the ≥65 year old patients are in the overall study population. In the previously 200 patients were the previously of the previously 200 patients were served in the ≥65 year old patients as in the overall study population. In the previously 200 patients year of patients year of years and 55 patients were 55 years. The rates of overall adverse reactions, including Grade 3 and 4 events, were similar across and within arms in the different age groups in all studies. The incidence of diarrhea, eightyration, hypokalemia, leukopenia, falique and syncope were higher in patients ≥65 years of the required in pleation. ≥65 years of the required in pleation ±65 years of the required in pleation ±65 years of the required in pleation ±65 years of the required in pleation. ≥65 years of the required in pleation ±65 years of the required in pleation ±65 years of the required in pleation ±65 years of the required in pleation. ≥65 years of the required in pleation ±65 years of the required in pleation ±65 years of the required in pleation. ≥65 years of the required in pleation ±65 years of the required in pleation ±65 years of the required in pleation. ≥65 years of the required in pleation ±65 years of the requi

that has been administered in the DESCRIPTION
Descript The molecular weight is 397.3. Oxaliplatin is slightly soluble in water at 6 mg/mL, very slightly soluble in methanol, and practically insoluble in ethanol and actions.

Consignatin injection is a clear, coloriess to pale yellow, sterile, preservative-Dealplatin injection of mirarvenous use.

Oxaliplatin injection 5 mg/mL is available in 10 ml and 20 ml single-use vials. So mg/10 mls each mL contains 5 mg of Oxaliplatin and 10 ml or Water for Injection.

injection, 557 100 mg/20 ml: each mL contains 5 mg of Oxaliplatin and 20 ml of Water for Injection, USP. hijection, USP.

2 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action
Obalipatin undergoes nonenzymatic conversion in physiologic solutions
are formed, including monosque and diaquo
DACH platinum, which covalently bind with macronolecules. Both inter-and
intrastrand P-DNA crosslinise are formed. Crosslinks are formed between the
M7 positions of two adjacent quanines (GG), adjacent adenine-quanines (AG),
and quanines separated by an intervening nucleotide (GNG). These crosslinks
inhibit DNA replication and transcription. Cytotoxicity is cell-cycle nonspecific.
In vivo studies have shown antitumor activity of oxaliplatin exhibits in vitro and
in vivo antiprofilerative activity greater than either compound alone in several
tumor models [H729 (colon), GR (mammary), and L1210 (eukemia)].*

tumor models (HT29 (colon), GR (mammary), and L1210 (leukemia)].*

12.3 Pharmacokinetics

The reactive oxaliplatin derivatives are present as a fraction of the unbound platinum in plasma ultrafiltrate. The decline of ultrafilterable platinum levels following oxaliplatin administration is triphasic, characterized by two relatively short distribution phases (fuz., 0.43 hours and fuz., 61.8 hours) and a long terminal elimination phase (fuz., 0.31 hours). Pharmacokinetic parameters obtained after a single 2-hour intravenous intusion of Oxaliplatin injection at a dose of 85 mg/m² expressed as ultrafilterable platinum were C_{max} of 0.814 mcg/m². And volume of distribution of 440 intuition of Oxaliplatinum exposure interpotient and intragatient variability in ultrafilterable platinum exposure. Interpotient and intragatient variability in ultrafilterable platinum exposure. See sectively, 4 harmacogoniamic relationship between platinum ultrafiltrate levels and clinical safety and effectiveness has not been established.

levels and clinical satery arus encurrences.

Distribution

At the end of a 2-hour infusion of Oxalipitatin Injection, approximately 15%, of

At the end of a 2-hour infusion of Oxalipitatin Injection, 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. In patients

958% is rapidly distributed into tissues or eliminated in the urine. In patients

958% is rapidly distributed into tissues or eliminated in the urine. In patients

15% the main brinding proteins are albumin and gamma-globulins. Platinum also binds

15% into the patients of the patients.

15% the patients of the pati Metabolism
Oxaliplatin undergoes rapid and extensive nonenzymatic biotra
There is no evidence of cytochrome P450-mediated metabolism
In 17 nlatinum-containing derivatives have been observe idaquo DACH platinum) and a number of noncytotoxic, conjugateus species. Ilmination

The major route of platinum elimination is renal excretion. At five days after a single 2-hour intuision of Oxaliplatin injection, urinary elimination accounted for about 54% of the platinum eliminated, with fecal excretion accounted for only about 2%. Platinum was claered from plasma at a rate (10 – 17 L/h) that was similar to or exceeded the average human glomerular filtration rate (15RF, 7.5 L/h). There was no significant effect of gender on the claerance of ultrafilterable platinum. The renal clearance of ultrafilterable platinum is significantly corteated with GFR.

*Pharmacokinetics in Special Populations

Fediatris [see Use in Specific Patient Populations (8-4)].

Renal Innoairment

[see Use in Specinic Patient Propulations (p. 79, Benal Impairment The AUC_{pett} of platinum in the plasma ultrafiltrate increases as renal function The AUC_{pett} of platinum in patients with mild (creatinine clearance, C_a, 50 to 80 mL/min), moderate (C_a, 30 to ±50 mL/min) and severe renal (C_a, <30 mL/min) impairment is increased by about 60, 140 and 190, respectively, compared to patients with normal renal function (C_a, >80 mL/min) [see Adverse Reactions (6), Drug Interactions (7) and Use in Specific Patient Populations (6,6). Patient Populations (8.6).

Patient Populations (8.6).

Toury - Drus Interactions

Non-prince prince prince program (a prince prince prince)

No pharmacokinetic interaction between 85 mg/m² of Oxalipitatin Injection and intusional 5-Houseoursal has been observed in patients treated every 2 weeks, but increases of 5-fluoroursal in plasma concentrations by approximately 20% have been observed with doses of 130 mg/m² of Oxalipitatin Injection administered every 3 weeks. In vitro, platinum was not displaced from plasma proteins by the following medications: enythromycin, salicytate, sodium valproate, granisetron, and pacitiaxel. In vitro, oxalipitatin is not metabolized by nor does it rithinth, human cytochrome P450 isoenzyms. No P450-mediated drug-drug interactions are therefore anticipated in patients. Which is the properties of the production may be decreased by co-administration of potentially nephrotoxic compounds, although this has not been specifically studied.

of potentially nephrotoxic compounds, although this has not been specifically studied.

NONCLINICAL TOXICOLOGY

(Carcinogenesis, Mutagenesis, Impairment of Fertility

Long-term animal studies have not been performed to evaluate the carcinogenic potential of oxalighatin. Oxalighatin was not mutagenic to bacteria (Ariess test) produced to the performed to evaluate the carcinogenic potential of oxalighatin vasic clastogenic both in vitro (chromosome aberration in human hymphocytes) and in vivo (mouse bone marrow micronucleus assay).

In a fertility study, male rats were given oxaligiatin at 0, 0.5, 1 or 2 mg/kg/

ally for five days every 21 days for a total of three cycles prior to mating with females that received two cycles of oxaligitatin on the same schedule. A dosed zargku/dgy less than one-seventh the recommended human dose on a body surface area basis) did not affect pregnancy rate, but caused developmental births) and deleyed growth (decreased fetal weight).

Testicular damage, characterized by degeneration, hypopiasia, and atrophy, was observed in dogs administered oxaligibilit not 2/5 mg/kg/dgy is 5 days every 28 days for three cycles. A no effect level was not identified. This daily dose is approximately one-sixth of the recommended human dose on a body surface area basis.

CLINICAL STUDIES

surface area basis.

14. CLINICAL STUDIES

15. Fluorouracil/feucovorin in Patients with Colon Gancer

16. In Journal of Colon and Influsional Studies and Influsional Anional Colon and Influsional Anional Colon and Influsional Anional Colon and Influsional Colon Cancer

16. In Influsional Colon anional Colon anional Colon Cancer

17. In Influsional Colon Cancer

18. In Influsional Colon Colon Cancer

18. In Influsional Colon C

5-FU/LV

Yes

II (T=3,4 N=0, M=0)
III (T=any, N=1,2, M=0)
IV (T=any, N=any, M=1)

Median Relative Dose Intensity (%)
5-FU

Th in ba

0

Sex: Male (%) Female (%) 64.4 35.6 ance Status (KPS) (%) 29.7 sky Performa Primary site (%) Bowel obstruct

17.9
Perforation (%)
6.9
tge at Randomization (%)
40.1

0.4 ng – T (%) Stagir

Staging – I

Isou mg/m² (22-hour infusion)
Day 2: LV: 200 mg/m² (2-hour infusion), fo
by 5-FU: 400 mg/m² (bolus),
600 mg/m² (22-hour infusion)
Day 1: LV: 200 mg/m² (2-hour infusion), fo
by 5-FU: 400 mg/m² (bolus),
600 mg/m² (22-hour infusion)

Oxaliplatin Injection	aliplatin Injection		N/A			
Median Number of Cycles		12	12			
Median Number of cycles with Oxaliplatin Injection		11	N/A			
n the overall randomized p ased on an ITT analysis. 7 months.	Table 18 -Summary of DFS analysis ITT analysis					
1000 10 -0	a.iiiiai	Oxaliplatin Injection + Infusional 5-FU/LV				
Parameter						
rumotor		Overall	' 			
N		1123	1123			
Number of events – relaps death (%)	se or	304 (27.1)	360 (32.1)			
Disease-free survival % [95	% CI]*	73.3 [70.7, 76.0]	67.4 [64.6, 70.2]			
Hazard ratio [95% CI]*	*	0.80 [0.6				
Stratified Logrank tes		p=0.	.003			
Stage III (Dukes' C)						
N		672	675			
Number of events -relaps death (%)	se or	226 (33.6)	271 (40.1)			
Disease-free survival % [95		66.4 [62.7, 70.0]	58.9 [55.2, 62.7]			
Hazard ratio [95% CI]**		0.78 [0.65, 0.93]				
Logrank test		p=0.005				
	Sta	ge II (Dukes' B2)				
N		451	448			
Number of events – relaps death (%)	se or	78 (17.3)	89 (19.9)			
Disease-free survival % [95	% CI]*	83.7 [80.2, 87.1]	79.9 [76.2, 83.7]			
Hazard ratio [95% CI]*	*	0.84 [0.6				
Logrank test		p=0.	.258			
Data cut off for disease free survival 1 June 2006 Disease-free survival at 5 years *A hazard ratio of less than 1.00 favors Oxaliplatin Injection + Infusional 5-fluorouracil/leucovorin						
In the overall and stage III colon cancer populations DFS was statistically significantly improved in the Oxaliplatin Injection combination are compared to infusional 5-fluorouracil/leucovorin alone. However, a statistically significant improvement in DFS was not noted in Stage II patients. Floure 2 shows the DFS Kaolan-Meier curves for the comparison of Oxaliolatin						
Injection and infusiona 5-fluorouracil/leucovori	l 5-fluo n alone	prouracil/leucovorin come for the overall population	ibination and infusional on (ITT analysis).			
	l 5-fluo	n-Meier curves for the co prouracil/leucovorin com				

Stage III Heased Satio [66% C1]: 0.78 [0.85, 0.80] lograph Test: p=0.005

N Number of death events (%) Hazard ratio*[95% CI]	1123 245 (21.8)	1123 283 (25.2)				
Hazard ratio*[95% CI]	0.84 (0.71					
	Stage III (Dukes' C)					
N	672	675				
Number of death events (%)	182 (27.1)	220 (32.6)				
Hazard ratio* [95% CI]	0.80 [0.65	0.97]				
	Stage II (Dukes' B2)					
N	451	448				
Number of death events (%)	63 (14.0)	63 (14.1)				
Hazard ratio* [95% Cl] 1.00 [0.70, 1.41]						
4.2 Combination Therapy	with Oxaliplatin Injection Previously Untreated for					
Cancer	Previously Unitreated for	Auvanceu colorecta				
Cancer A North American, multicenter, open-label, randomized controlled study was sponsored by the Mational Cancer Institute (NCI) as an intergroup study led by the North Central Cancer Treatment droup (NCICT). The study had 7 arms at different times during its conduct, four of which were closed due to either changes in the standard of cace, lookidy or simplification. During the study. The results reported below compared the efficacy and safety of two experimental regimens, Osalipatin injection in combination with infusional 5-fluorouracil/leucovorin and a combination of Oxalipatin Injection pius irinotecan, to an approved control regimen of Iningetean plus 5-fluorouracil/leucovorin and a combination of Oxalipatin Injection pius irinotecan, to an approved control regimen of Iningetean plus 5-fluorouracil/leucovorin and a combination of Oxalipatin Injection plus						

irinotecan, to an approved control regimen of irinotecan plus 5-fluorouraicil leucovori in 755 concurrently randomized patients previously untreated for locally advanced or metastatic colorectal cancer. After completion of enrollment, the dose of irinotecan plus 5-fluorouraicilleurovorin was decreased due to toxicily. Patients had to be all least 18 years of age, and the controllment of the properties of Treatment Arm njection + i-FU/LV (FOLFOX4) N=267)

Irinotecan +

5-FU/LV (IFL) N=264) infusion + IV 20 mg/m² as a 15-min infusion or intravenous push, followed by 5-FU 500 mg/m² intravenous botous weekly x 4 500 mg/m² intravenous botous weekly x 4 + irinotecan (IROX) intravenous (2-hour infusion) + irinotecan			every 3 weeks
	intravenous (2-nour ii 200 mg/m² intraveno		1
study. Table 21 -Patier	ts the demographics of the demographics in I demographics in I	Patients Previously	Untreated for
	Oxaliplatin Injection + 5-FU/LV N=267	Irinotecan + 5-FU/LV N=264	Oxaliplatin Injection + 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

Li Li

ldw5elh5.indd 3

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 length of a treatment cycle was 2 weeks for the Oxaliplatin In and 5-fluorouracil/leucovorin regimen; 6 weeks for the irinotecar						

and 5-fluoroural/illeucovorin regimen; 6 weeks for the infrotecan plus Fluoroural/illeucovorin regimen, and 3 weeks for the Oxaliplatin injection plus infortecan regimen. The median number of cycles administered per patient was 10 (233 weeks) for the Oxaliplatin injection and 5-fluorouracil/ leucovorin regimen, and 7 (21.0 weeks) for the Oxaliplatin injection plus cucroorin regimen, and 7 (21.0 weeks) for the Oxaliplatin injection plus 5-fluorouracil/leucovorin combination had a significantly longer time to lumo progression based on investigator assessment, longer overall survival, and a significantly higher confirmed response rate based on investigator assessment compared to patients given infortecan plus 5-fluorouracil/leucovorin. Table 22 summarizes the efficacy results.

(months)	19.4	14.6	17.6
Hazard Ratio and (95% confidence interval)	0.65 (0.53-0.80)*		
P-value	<0.0001*	-	-
TTP (ITT, investigator assessment)			
Percentage of progressors	82.8	81.8	89.4
Median TTP (months)	8.7	6.9	6.5
Hazard Ratio and (95% confidence interval) ***	0.74 (0.61-0.89)*		
P-value	0.0014*	-	-
Response Rate (investigator assessment)**			
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% confidence interval	(38.5 – 52.0)	(26.2 - 38.9)	(28.1 - 40.8)
P-value	0.0080*	-	-
**Based on all pat The numbers in th investigator asses	of less than 1.00 favors	disease at baselin P analysis are ba	sed on unblinded
	s the Kaplan-Meier s		



Table 23 -Dosing Regimens in Refractory and Relapsed Colorectal Cance Clinical Trial Dose
Day 1: Oxaliplatin Injection: 85 mg/m² (2-hour infusion) + LV 200 mg/m² (2-hour infusion), followed by 5-FU: 400 mg/m² (bolus), 600 mg/m² (22-hour infusion) Treatment Arm
Oxaliplatin Injection +
5-FU/LV
(N =152) bou mg/m² (22-nour infusion)
Day 2: LV 200 mg/m² (2-hour infusion),
followed by 5-FU: 400 mg/m² (bolus),
600 mg/m² (22-hour infusion)
Day 1: LV 200 mg/m² (2-hour infusion),
followed by 5-FU: 400 mg/m² (bolus),
600 mg/m² (22-hour infusion) every 2 week

	5-FU/LV (N = 151)	Oxaliplatin Injection (N = 156)	Oxaliplatin Injection + 5-FU/LV (N = 152)
Sex: Male (%)	54.3	60.9	57.2
Female (%)	45.7	39.1	42.8
Median age (years)	60.0	61.0	59.0
Range	21-80	27-79	22-88
Race (%)			
Caucasian	87.4	84.6	88.8
Black	7.9	7.1	5.9
Asian	1.3	2.6	2.6
Other	3.3	5.8	2.6
KPS (%)			
70 – 100	94.7	92.3	95.4

1	27.2	31.4	25.7		
≥2	72.2	67.9	74.3		
Liver involvement (ver involvement (%)				
Liver only	22.5	25.6	18.4		
Liver + other	60.3	59.0	53.3		
The median number of cycles administered per patient was 6 for the Oxaliplatin injection and 5-fluorouracil/leucovorin combination and 3 each for 5-fluorouracil/leucovorin alone and Oxaliplatin injection alone. Patients treated with the combination of Oxaliplatin injection and 5-fluorouracil/leucovorin had an increased response rate compared to patients given 5-fluorouracil/leucovorin covaliplatin alone. The efficacy results are summarized in Table 25 and Table 26. Table 25 -Response Rates (ITT Analysis)					
Best Response	5-FU/LV (N=151)	Oxaliplatin Injection (N=156)	0xaliplatin Injection + 5-FU/LV (N=152)		
CR	0	0	0		
PR	0	2 (1%)	13 (9%)		
p-value	0.0002 for 5-FI	/LV vs. Oxaliplatin Injection + 5-FU/LV			
95% CI	0-2.4%	0.2-4.6%	4.6-14.2%		
Table 26 -Summary of Radiographic Time to Progression*					
Arm	5-FU/LV (N=151)	Oxaliplatin Injection (N=156)	Oxaliplatin Injection + 5-FU/LV (N=152)		
No. of Progressors	74	101	50		
No. of patients with no radiological evaluation beyond baseline	22 (15%)	16 (10%)	17 (11%)		

	in median time to radiographic progression was observed compared to
	5-fluorouracil/leucovorin alone.
	Of the 13 patients who had tumor response to the combination of Oxaliplatin
	Injection and 5-fluorouracil/leucovorin, 5 were female and 8 were male, and
	responders included patients <65 years old and ≥65 years old. The small
	number of non-Caucasian participants made efficacy analyses in these
	populations uninterpretable.
15	
10	NIOSH Alert: Preventing occupational exposures to antineoplastic and other
	hazardous drugs in healthcare settings. 2004. U.S. Department of Health
	and Human Services, Public Health Service, Centers for Disease Control
	and Prevention, National Institute for Occupational Safety and Health, DHHS
	(NIOSH) Publication No. 2004-165.
	OSHA Technical Manual, TED 1-0.15A, Section VI: Chapter 2. Controlling
	Occupational Exposure to Hazardous Drugs, OSHA, 1999, http://www.osha.
	gov/dts/osta/otm/otm_vi/otm_vi_2.html
	3. American Society of Health-System Pharmacists, (2006) ASHP Guidelines
	on Handling Hazardous Drugs.
	4. Polovich, M., White, J. M., & Kelleher, L.O. (eds.) 2005. Chemotherapy
	and biotherapy guidelines and recommendations for practice (2nd. ed.)
	Pittsburgh, PA: Oncology Nursing Society.

16.1 How Supplied
Oxisipatin Injection is supplied in single-use vials containing 50 mg or 100 mg
of oxilipptain as a sterile, preservative-free, aqueous solution at a concentration
of 5 mg/mL.
NDC 66758-053-01: 50 mg/10 mL single-use vial with green flip-off

50 mg/10 mL single-use vial with green flip-off seal individually packaged in a carton. 100 mg/20 mL single-use vial with dark blue flip-off seal individually packaged in a carton.

At the time of the interim analysis 49% of the radiographic progressi events had occurred. In this interim analysis, an estimated 2-month increa

1.6

4.6

2.7

HOW SUPPLIED/STORAGE AND HANDLING

NDC 66758-053-02:

flip-off seal individually packaged in a carton.

18.2 Storage

Store at 25°C (77°F); excursions permitted to 15-30°C (59-86°F) [See USP for controlled room temperature]. Do not freeze and protect from light (keep in original outer carton).

18.3 Handling and Disposal

As with other potentially toxic anticancer agents, care should be exercised in the handling and preparation of infusion solutions prepared from Oxaliplatin Injection. The 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 water.

Procedures for the handling and disposal of anticancer drugs should be considered. Several guidelines on the subject have been published [see References (15)]. There is no general agreement that all of the procedures recommended in the guidelines are necessary or appropriate.

allergic reaction appear.

No studies on the effects on the ability to drive and use machines have been performed. However oxaliplatin treatment resulting in an increase risk of diziness, nausea and voniting, and other neurologic symptoms that ledge gait and balance may lead to a minor or moderate influence on the ability to drive and use machines.

Vision abnormalities, in particular transient vision loss (reversible following hearing discontinuation), may affect patients' ability to drive and use machines. the ability to drive or use machines. 17.2 FDA-Approved Patient Labeling PATIENT INFORMATION Oxaliplatin Injection

in specime.

The 5-fluorouzed will be given through your LV, 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. On not let anyone other than a healthcare provider touch your influsion pump or tubing. What activities should I avoid while on treatment with 0xaliplatin injection?

Avoid cold temperatures and cold objects. Cover your skin if you must go outside in cold drinperatures.

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

Do not put ice or ice packs on your body.

See the end of this leaflet, 'How can I reduce the side effects caused by cold temperatures?' Joi more information.

Liver problems (hepatotoxicity). Your doctor will do blood tests to watch for this.

Harm to an unborn baby. Osaliplatin injection may cause harm to your unborn baby. See "What should I tell my doctor before treatment with Oxaliplatin injection: The control of the control of

Tell you natisses venithing distributed by the constitution of distributed constitution mouth sores stomach pain decreased appetite titredness yessight (visual) problems including reversible short-term loss of vision (all your octor about any eyesight changes reported by the reactions. Reactions may include redness, swelling, pain, tissue "ange," (alogical) "any of the following: ""any of the following: """ ments (Diarrhea) Call your doctor if you get any of the following:

Vomiting that does not go away

Frequent, loose, watery bowel movements (Diarrhea)

Signs of dehydration (too much water loss)

o thick o thirst o dry mouth o lightheadedness (dizziness) o decreased urination

What are the ingredients in Oxaliplatin Injection?
Active ingredient oxaliplatin
Inactive ingredient: water for injection
Paraplatin® and Platinol® are registered trademarks of Bristol-Myers Squibb Manufactured by:

Ebewe



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Survival (ITT) Number of deaths N (%)

Digressors Section Progressors	assessment)			
Median TTP 8.7 6.9 6.	Percentage of	82.8	81.8	89.4
		02.0	01.0	05.4
Hazard Ratio and 93% confidence 0.74 (0.61-0.89)*		8.7	6.9	6.5
P-value 0.0014*	Hazard Ratio and 95% confidence	0.74 (0.61-0.89)*		
(investigator assessment)** Patients with measurable 210 212 21 21 21 21 21 21 21 21 21 21 21 21		0.0014*	-	-
measurable disease 210 212 21 Complete response N(%) 13 (6.2) 5 (2.4) 7 (3 Partial response N (%) 82 (39.0) 64 (30.2) 67 (3 Complete and partial response N (%) 95 (45.2) 69 (32.5) 74 (3 35% confidence interval (38.5 – 52.0) (26.2 – 38.9) (28.1 – P-value "Compared to irinotecan plus 5-fluorouracil/leucovorin (FL) arm "Seased on all parlients with measurable disease at baseline The numbers in the response rate and TTP analysis are based on unbili investigator assessment. "*A nazard ratio of less than 1.00 favors Oxaliplatin injection + Infusio 5-fluorouracil/leucovorin Figure 4 illustrates the Kaplan-Meier survival curves for the com Oxaliplatin injection and 5-fluorouracil/leucovorin combination and injection plus infusionean to irinotecan bit infortecan plus 5-fluorouracil/leucovorin	investigator			
response N (%) 13 (b.c.) 5 (c.4) 7 (3 Partial response N (%) 6 (39.0) 64 (30.2) 67 (3 Complete and partial response 95 (45.2) 69 (32.5) 74 (3 N (%) 59% confidence interval 0.0080* (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.2 - 38.9) (26.	neasurable	210	212	215
Partial response N (%) S (23.0) 64 (30.2) 67 (3 Complete and partial response 95 (45.2) 69 (32.5) 74 (3 Partial response N (%) 95% confidence (38.5 – 52.0) (26.2 – 38.9) (28.1 – P-value 0.0080* 'Compared to irinotecan plus 5-fluorouracil/leucovorin (FL) arm 'Resed on all parients with measurable disease at lasseline The numbers in the response rate and TTP analysis are based on unbili investigator assessment. "*A hazard ratio of less than 1.00 favors Oxaliplatin injection + Infusio 5-fluorouracil/leucovorin Figure 4 illustrates the Kaplan-Meier survival curves for the com Oxaliplatin injection and 5-fluorouracil/leucovorin combination and injection plus inforecan to irinotecan bis s-fluorouracil/leucovorin		13 (6.2)	5 (2.4)	7 (3.3)
partial response 95 (45.2) 69 (32.5) 74 (3 N 19) 95% confidence (38.5 – 52.0) (26.2 – 38.9) (28.1 – P-value 0.0080* – P-		82 (39.0)	64 (30.2)	67 (31.2)
Interval (38.5 – 32.1) (£6.2 – 38.9) (£8.1 – P-value 0.0080*) *Compared to irinotecan plus 5-fluorouracil/leucovorin (FL) arm *Resed on all patients with measurable disease at lasseline The numbers in the response rate and TTP analysis are based on unbili investigator assessment. ***A hazard ratio of less than 1.00 favors 0xaliplatin injection + Infusio 5-fluorouracil/leucovorin Figure 4 illustrates the Kaplan-Meier survival curves for the com *Oxaliplatin injection and 5-fluorouracil/leucovorin combination and injection plus inforecan to irinotecan plus 5-fluorouracil/leucovorin	partial response	95 (45.2)	69 (32.5)	74 (34.4)
"Compared to irinofecan plus 5-fluorouracilideucovorin (IF), arm "Risead on all patients with measurable disease at laseline The numbers in the response rate and TTP analysis are based on unbil investigator assessment. ""A hazard ratio of less than 1.00 favors Oxaliplatin injection + Infusio 5-fluorouracilideucovorin Figure 4 illustrates the Kaplan-Meier survival curves for the com Oxaliplatin injection and 5-fluorouracilideucovorin combination and injection plus infusiocan to irinofectare plus 5-fluorouracilideucovorin		(38.5 – 52.0)	(26.2 - 38.9)	(28.1 - 40.8)
"*Based on all patients with measurable disease at baseline The numbers in the response rate and TIP analysis are based on unbling the suggest of the season of the season of the season of the season of the "*A hazard ratio of less than 1.00 favors Oxaliplatin injection + infusion 5-fluorouracil/lecoxorin Figure 4. Illustrates the Kaplan-Meier survival curves for the corr Oxaliplatin injection and 5-fluoracil/lecoxorin combination and injection plus irinotecan to irinotecan plus 5-fluorouracil/lecoxorin.	-value	0.0080*	-	-
Injection plus irinotecan to irinotecan plus 5-fluorouracil/leucovorin.	*Based on all pati- The numbers in the nvestigator assess **A hazard ratio o 5-fluorouracil/le igure 4 illustrates	ents with measurable of e response rate and TTI sment. I less than 1.00 favors sucovorin the Kaplan-Meier s	disease at baselin P analysis are base Oxaliplatin Injecti urvival curves f	e sed on unblinded ion + Infusional ior the compariso
	njection plus irinote	ecan to irinotecan plus		covorin.
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leucovorin in Previously Traeted Patiens with Advanced Colorectal Cancer

A multicenter, open-label, randomized, three-arm controlled study was conducted in the US and Canada comparing the efficacy and safety of Oxalipatin Injection in combination with an intusional schedule of 5-fluororuscil/leucovorin to the same dose and schedule of 5-fluororuscil/leucovorin to the same dose and schedule of 5-fluororuscil/leucovorin to the patient oxalipation in publied 5-fluororuscil/leucovorin to the same dose and schedule and the control oxalipation in the study has the control oxalipation in the study had to be analyzed for response rate flater 450 patients were enrolled. Survival will be subsequently assessed in all patients enrolled in the completed study. Accural to this study is complete, with 821 patients enrolled. Patients in the study had to be at least 18 years of age, have unresectably performance status 550%, Patients had to have SGDT(AST) and SGPT(ALT) exhibition in the study had to be at least 18 years of age, have unresectably performance status 550%, Patients had to have SGDT(AST) and SGPT(ALT) exhibition in the study had to be allowed to the status of the study had to see the study had to the study are presented in Table 23.

Ible 23 -Dosing Regimens in Refractory and Relapsed Colorectal Cancer

bull mg/m² (22-hour infusion) Day 2: LV 200 mg/m² (2-hour infusion), followed by 5-FU: 400 mg/m² (bolus), 600 mg/m² (22-hour infusion) Day 1: Oxaliplatin Injection 85 mg/m² (2-h infusion) Patients entered into the study for evaluation of response must have had at least one unidimensional lesion measuring 220 mm using conventional CT son Milk scans, or 2 flom unusing a sprind CT scan. Tumor response and progress or were assessed every 3 cycles (6 weeks) using the Response Evaluation Criteria in Solid Tumors (RECST) until radiological documentation of progression 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.

The demographics of the patient population entered into this study are shown in Table 24. e 24 -Patient Demographics in Refractory and Relapsed Colo Cancer Clinical Trial

PATIENT COUNSELING INFORMATION Information for Patients
Patients and patients' caregivers should be informed of the expected side effects of Oxalipation injection, particularly its neurologic effects, both the acute, reversible effects and the persistent neurosensory toxicity. Patients should be informed that the acute neurosensory toxicity may be precipitated or exacerbated by exposure to cold or cold objects. Patients should be instructed to avoid cold dirinks, use of ice, and should cover exposed stin prior to exposure to cold temperature or cold object. Patients insuct we decurately informed of the risk of tow blood cell counts and Patients must be adequately informed of the risk of tow blood cell counts and read the patients must be useful active and the rest of the patients must be instructed to coract their chasticistic in furnished resultants.

Patients should be instructed to contact their physician if persistent vomiting, diarrhea, signs of dehydration, cough or breathing difficulties occur, or signs of allergic reaction appear.

Read this information carefully as you start using Oxaliplatin Injection. It will help you learn more about Oxaliplatin Injection. This information does not take the place of talking to your declor about your medical condition or your treatment. Ask your doctor about any questions you have.

What is the most important information I should know about Oxaliplatin Injection?

Oxaliplatin Injection can cause serious allergic reactions.
In people who get severe allergic reactions while taking platinum medicines, death can occur.

Caralipatin Injection can cause serious allergic reactions.

In people who get severe allergic reactions while taking platinum medicines, death can be provided by the provided of the provide

Your doctor will prescribe Diapipain niground in an amount of the property of the control of the Treatment Day 1:
Oxaliplatin Injection and leucovorin are given through a thin plastic tube put into a vein (intravenous infusion or I.V.) and given for 2 hours. You will be watched by a healthcare provider during this time.

Right after the Oscillplatin injection and leucovorin are finished, 2 doses of 5-fluorouracil will be given. The first dose is given right away into your I.V. tube. The second dose will be given into your I.V. tube over the next 22 hours, using a pump device.

Treatment Day 2:

You will not get Oxaliplatin injection on Day 2. Leucovorin and 5-fluorouracil will be given the same way as on Day 1. xaliplatin Injection on Day 2. Leucovorin and 5-fluorouracil will be ay as on Day 1.

given the same way as on bug 1.

During your treatment with Oxaliplatin Injection:

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

Your doctor may change how often you get Oxaliplatin Injection, how much you get, or how hong the infusion will take.

You and your doctor will discuss how many times you will get Oxaliplatin Injection.

temperatures?") for more information.

Talk to your doctor or 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.

Serious allergite reactions. See "What is the most important information I
should know about Oxaliplatin injection?". Serious allering reactions (see "What's the most important information I Serious allering" reactions (see "What's the most important information I Serious allering" reactions (see "What's the most important information I Serious allering the Serious (serious and see of the Serious I serious and see of the Serious I serious and see of the Serious I s

Redness or swelling at intravenous site
Tell your doctor about any bleeding or bruising

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-80. Ph.A. 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.

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

Drink fluids warm or at room temperature.

Always drink through a straw.

Do not use lice chips if you have nausea or mouth sores. Ask your nurse about what you can use.

Be eavier that cold and the straw of the control of

This leaflet summarizes the most important information about Oxalipatin Injection. If you would like more information, talk with your doctor. You can ask your doctor or pharmacist for information about Oxaliplatin Injection that is written for health professionals.

- - o decreased urination
 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.

PARENTA® pharmaceuticals we Pharma Company ev. PA 19067

19.3 6.9

4.8

every 2 weeks 12 cycles

Table 17 - Dosing in Adjuvant Therapy Study

Oxaliplatin Injection +
infusional 5-FU/LV
N=1108

Dose Intensity (%) Infusional 5-FU/LV N=1111 84.4 97.7

il/leucovorin alone in Stage III patients 1.0

Henry Retio (964 CI): 0.50 (0.50. C

Figure 2: DFS Kaplan-Meier curves by (cutoff: 1 June 2006) - ITT population

1.0 j

12 18 24 30 36 42 46
DPS (months)

Treetment arm: — FOLFOX4 - DUKES C
— LV5FU2 - DUKES C Figure 3: DFS Kaplan-Meier curves by treatment arm in stage III patients (cutoff: 1 June 2006) – ITT population Table 19 summarizes the overall survival (OS) results in the overall randomized population and in patients with stage II and III diseases based on the ITT analysis. Table 19 -Summary of OS analysis - ITT analysis Oxaliplatin Injection + Infusional 5-FU/LV Infusional 5-FU/LV

Female (%)	41.2	34.8	39.0	an E
edian age (years)	61.0	61.0	61.0	Yardle
5 years of age (%)	61	62	63]
5 years of age (%)	39	38	37]
OG (%)]
.1	94.4	95.5	94.7]
	5.6	4.5	5.3]
olved organs (%)]
Colon only	0.7	0.8	0.4]
iver only	39.3	44.3	39.0]
iver + other	41.2	38.6	40.9	1
ung only	6.4	3.8	5.3	1
				-

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PATIENT INFORMATION Oxaliplatin Injection

Read this information carefully as you start using Oxaliplatin Injection. It will help you learn more about Oxaliplatin Injection. This information does not take the place of talking to your doctor about your medical condition or your treatment. Ask your doctor about any questions you have.

What is the most important information I should know about Oxaliplatin Injection?

Oxaliplatin Injection can cause serious allergic reactions.

In people who get severe allergic reactions while taking platinum medicines, death can occur.

Get emergency help right away if you:

- suddenly have trouble breathing.
- feel like your throat is closing up.

Call your doctor right away if you have any signs of allergic reaction:

- rash
- flushed face
- hives
- itchina
- swelling of your lips or tongue
- sudden cough
- · dizziness or feel faint
- sweating
- chest pain

See "What are the possible side effects of Oxaliplatin Injection" for information on other serious side effects.

What is Oxaliplatin Injection?

Oxaliplatin Injection is an anti-cancer (chemotherapy) medicine that is used with other anti-cancer medicinescalled 5-fluorouracil (5-FU) and leucovorin (LV) to treat adults with:

- stage III colon cancer after surgery to remove the tumor
- advanced colon or rectal cancer (colo-rectal cancer).

Oxaliplatin Injection with infusional 5-FU and LV was shown to lower the chance of colon cancer returning when given to patients with stage III colon cancer after surgery to remove the tumor. Oxaliplatin Injection also increases survival in patients with stage III colon cancer. Oxaliplatin Injection with infusional 5-FU and LV was also shown to increase survival, shrink tumors and delay growth of tumors in some patients with advanced colorectal cancer.

It is not know if Oxaliplatin Injection works in children.

Who should not use Oxaliplatin Injection?

Do not use Oxaliplatin Injection if you are allergic to any of the ingredients in Oxaliplatin Injection or other medicines that contain platinum. Cisplatin (Platinol®) and carboplatin (Paraplatin®) are other chemotherapy medicines that also contain platinum. See the end of this leaflet for a list of ingredients in Oxaliplatin Injection.

What should I tell my doctor before treatment with Oxaliplatin Injection?

Tell your doctor about all your medical conditions including, if you are:

- pregnant or planning to become pregnant.
 Oxaliplatin Injection may harm your unborn child. You should avoid becoming pregnant while taking Oxaliplatin Injection. Talk with your doctor about how to avoid pregnancy.
- breast feeding or plan to breast feed.
 We do not know if Oxaliplatin Injection can
 pass through your milk and if it can harm
 your baby.

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You will need to decide whether to stop breast feeding or not to take Oxaliplatin Injection.

Tell your doctor about all the medicines you take, including prescription and non-prescription medicines, vitamins, and herbal supplements. Oxaliplatin Injection may affect how other medicines work in your body.

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 is Oxaliplatin Injection given to me?

Oxaliplatin Injection is given to you through your veins (blood vessels).

- Your doctor will prescribe Oxaliplatin Injection in an amount that is right for you.
- Your doctor will treat you with several medicines for your cancer.
- It is very important that you do exactly what your doctor and nurse have taught you to do.
- Some medicines may be given to you before Oxaliplatin Injection to help prevent nausea and vomiting.
- Oxaliplatin Injection is given with 2 other chemotherapy medicines, leucovorin and 5-FU.
- Each treatment course is given to you over 2 days. You will receive Oxaliplatin Injection on the first day only.
- There are usually 14 days between each chemotherapy treatment course.

Treatment Day 1:

Oxaliplatin Injection and leucovorin are given through athin plastic tube put into a vein (intravenous infusion or I.V.) and given for 2 hours. You will be watched by a healthcare provider during this time. Right after the Oxaliplatin Injection and leucovorin are finished, 2 doses of 5-FU will be given. The first dose is given right away into your I.V. tube. The second dose will be given into your I.V. tube over the next 22 hours, using a pump device.

Treatment Day 2:

You will not get Oxaliplatin Injection on Day 2. Leucovorin and 5-FU will be given the same way as on Day 1.

During your treatment with Oxaliplatin Injection:

- It is important for you to keep all appointments. Call your doctor if you must miss an appointment. There may be special instructions for you.
- Your doctor may change how often you get Oxaliplatin Injection, how much you get, or how long the infusion will take.
- You and your doctor will discuss how many times you will get Oxaliplatin Injection.

The 5-FU will be given through your I.V. 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 activities should I avoid while on treatment with Oxaliplatin Injection?

- Avoid cold temperatures and cold objects.
 Cover your skin if you must go outside in cold temperatures.
- Do not drink cold drinks or use ice cubes in drinks.
- Do not put ice or ice packs on your body.

See the end of this leaflet, ("How can I reduce the side effects caused by cold temperatures?") for more information.

Talk to your doctor and nurse about your level of activity during treatment with Oxaliplatin Injeciton. Follow their instructions.

What are the possible side effects of Oxaliplatin Injection?

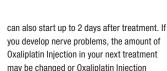
Oxaliplatin Injection can cause serious side effects:

- Serious allergic reactions. See "What is the most important information I should know about 0xaliplatin Injection?"
- Nerve problems (peripheral neuropathy).
 Oxaliplatin Injection can affect how your nerves work and make you feel. Tell you doctor right away if you get any signs of nerve problems listed below:
 - Very sensitive to cold temperatures and cold objects
 - Trouble breathing, swallowing, or saying words, jaw tightness, odd feeling in your tongue, or chest pressure
 - Pain, tingling, burning (pins and needles, numb feeling) in your hands, feet, or around your mouth or throat, which may cause problems walking or performing activities of daily living.

The first signs of nerve problems may happen with the first treatment. The nerve problems







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treatment may be stopped. For information on ways to lessen or help with the nerve problems, see the end of this leaflet, "How can I reduce the side effects caused by cold temperatures?"

- Lung problems (interstitial fibrosis). Tell your doctor if you get a dry cough and have trouble breathing (shortness of breath) before your next treatment. These may be signs of a serious lung disease.
- Liver problems (hepatotoxicity). Your doctor will do blood tests to watch for
- Harm to an unborn baby. Oxaliplatin Injection may cause harm to your unborn baby. See "What should I tell my doctor before treatment with Oxaliplatin Injection?"

Common side effects with Oxaliplatin Injection include:

· decreased blood counts: Oxaliplatin Injection can cause a decrease in neutrophils (a type of white blood cells important in fighting in bacterial infections), red blood cells (blood cells that carry oxygen to the tissues), and platelets (important for clotting and to control bleeding).

Call your doctor right away if you get any of the following signs of infection:

- · Fever (temperature of 100.5 F or greater)
- Chills or shivering
- Cough that brings up mucus
- Burning or pain on urination
- Pain on swallowing
- Sore throat
- Redness or swelling at intravenous site
- Tell your doctor about any bleeding or bruising
- vomiting
- diarrhea
- constipation
- mouth sores
- stomach pain
- decreased appetite
- tiredness
- eyesight (visual) problems. Tell your doctor about any eyesight changes
- injection site reactions. Reactions may include redness, swelling, pain, tissue damage
- · hair loss (alopecia)

Call your doctor if you get any of the following:

- · Vomiting that does not go away
- Frequent, loose, watery bowel movements (Diarrhea)
- Signs of dehydration (too much water loss)
 - tiredness
 - thirst 0
 - dry mouth 0
 - lightheadedness (dizziness) 0
 - 0 decreased urination

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 a 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 not use ice chips if you have nausea or mouth sores. Ask your nurse about what you can use.

- . Be aware that most metals are cold to touch, especially in the winter. These include your car door and mailbox. Wear gloves to touch cold objects.
- Do not run the air-conditioning at high levels in the house or in the car in hot weather.
- If your body gets cold, warm-up the affected part. If your hands get cold, wash them with warm water.
- Always let your nurse and doctor know before your next treatment how well you did since your last visit.

This list is not complete and your healthcare provider may have other useful tips for helping you with these side effects.

General information about the safe and effective use of Oxaliplatin Injection

Medicines are sometimes prescribed for conditions that are not mentioned in patient information leaflets.

This leaflet summarizes the most important information about Oxaliplatin Injection. If you would like more information, talk with your doctor. You can ask your doctor or pharmacist for information about Oxaliplatin Injection that is written for health professionals.

What are the ingredients in Oxaliplatin Injection?

Active ingredient: oxaliplatin Inactive ingredient: water for injection Paraplatin® and Platinol® are registered trademarks of Bristol-Myers Squibb Company.

Manufactured for:

PARENTA pharmaceuticals an Ebewe Pharma Company West Columbia, SC 29169 Manufactured by:



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