OXALTIE®

CARLIPLATIN 02-04-0012
(Pak Regn. No. 50mg. 036078; 100mg. 036079)
Lyophilized powder for injection
Prescription only

Made in Argentina

OXALTIE® (oxaliplatin for injection) should be administered under the supervision of a qualified physician experienced in the use of cancer chemotherapsutic agents. Appropriate management of therapy and complications is possible only when adequate diagnostic and treatment facilities are readily available.

reacily available.

Anaphylactic-like reactions to OXALTIE® have been reported, and may occur within minutes of OXALTIE® administration. Epinephrine, corticosteroids, and antihistamines have been employed to alleviate symptoms.

DESCRIPTION

OXALTIE® (oxaliplatin for injection) is an antineoplastic agent with the molecular formula $C_eH_{14}N_2O_4Pl$ and the chemical name of:

-[(1R,2R)-1,2-cyclohexanediamine-N,N'] [oxalate(2-)-

of oxaliplatin as a sterile, preservative-free powder for reconstitution.

CLINICAL PHARMACOLOGY

Mechanism of Action

Mechanism of Action
Catifipatin undergoes non-enzymatic conversion in physiologic solutions to active derivatives via displacement of the labile oxatate ligand. Several transient reactive species are formed, 'including monosquo and diaque DACH platinum, which covalently bind with macromolecules. Both inter- and intra-strand Pt-DNA cross-links are formed. Cross-links are formed between the N7 positions of two adjacent guariness (aG), adjacent adenine-guarines (AG), and guariness separated by an intervening nucleotide (GNG). These cross-links inhibit DNA replication and transcription. Cytotoxicity is cell-cycle nonspecific.

Pharmacology
In vivo studies have shown antitumor activity of oxaliplatin
against colon carcinoma. In combination with 5-fluorouracil
(5-FU), oxaliplatin exhibits in vitro and in vivo antiproliferative activity greater than either compound alone in several
tumor models [HT29] (colon), GR (mammary), and L1210 (leukemia)]

Human Pharmacokinetics
The reactive oxalipiatin derivatives are present as a fraction of the unbound platinum in plasma uitra filirate. The decline of uitra filirate platinum levels following oxalipiatin administration is triphasic, characterized by two relatively short distribution phases (17 2c; 0.48 hours and 11 2g; 16.8 hours) and a long terminal elimination phase (172 c; 0.48 hours) and a long terminal elimination phase (172 c; 0.48 hours) and a long terminal elimination phase (172 c; 0.48 hours) and decline platinum were characteristic platinum exposure (AUCo-ae) assessed over 3 cycles was moderate to low (23% and 6%, respectively). A pharmacodynamics relationship between platinum ultra filtrate levels and clinical safety and effectiveness has not been established.

Distribution

At the end of a 2-hour infusion of oxaliplatin, approxi At the end of a 2-hour influsion of oxaliplatin, approximately 15% of the administered platinum is present in the systemic circulation. The remaining 85% is rapidly distributed into itsusue or eliminated in the urine. In palients, 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 uitra filtrate following 85 mg/m² every two weeks.

Metabolism

Oxaliplatin undergoes rapid and extensive nonenzymatic biotransformation. There is no evidence of cytochrome P450-mediated metabolism in vitro.

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

Elimination

The major route of platinum elimination is renal excretion. At tive days after a single 2-hour intuision 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 Lh) that was similar to or exceeded the average human glomerufar filtration rate (GRF, 7.5 Lh). There was no significant effect of gender on the clearance of ultra filterable platinum. The renal clearance of ultra filterable platinum is significantly correlated with GFR. The major route of platinum elimination is renal excretion. At

Pharmacokinetics in Special Popul

Renal Impairment
The AUC-sev of platinum in the plasma ultra fligrate increases as renal function decreases. The AUC-sev of platinum
in patients with mild (creatinine clearance, CLcr 50 to 80
m/l/min), moderate (CLcr 30 to 450 m/l/min) and severe
renal (CLcr 430 ml/min) impairment is increased by about
67.140 next 140²/mc. resnarchistory. compared to platinist with 60, 140 and 190%, respectively, compared to patier normal renal function (CLcr >80 mL/min)].

Drug - Drug Interactions

No pharmacokinetics interaction between 85 mg/m² of

oxalipiatin and infusional 5-FU has been observed in patients treated every 2 weeks, but increases of 5-FU plasma concentrations by approximately 20% have been observed with doses of 130 mg / m² of oxalipiatin administered every 3 weeks, in vitro, patintum was not displaced from plasma proteins by the following medications: erythromycin, salicylate, sodium valproate, granisetron, and pacilitaxel. In vitro, oxalipiatin is not metabolized by, nor dose it inhibit, human cytochrome P450 isoenzymes. No P450-mediated drug-drug interactions are therefore anticipated in patients.

increasing anticipated in patients.

Since platinum containing species are eliminated primarily through the kidney, clearance of these products may be decreased by co-administration of potentially nephrotoxic compounds, although this has not been specifically studied.

CLINICAL STUDIES

Combination therapy with Oxaliplatin and infusional 5-FU/LV in previously treated patients with advanced colorectal

cancer. A multicenter, randomized, three arm controlled study was conducted in the US and Canada comparing the efficacy and safety of oxaliplatin in combination with an intuisional schedule of S-FU/LV to the same dose and schedule of S-FU/LV to the same dose and schedule of S-FU/LV to the same dose and schedule of S-FU/LV atone and to single agent oxaliplatin in patients with advanced colorectal cancer who had relipsecifyorgressed during or within t months of first line therapy with bolus S-FU/LV and Introcean. The study was intended to be analyzed for response rate after 450 patients were enrolled. Survival will be subsequently assessed in all oxalients analyzed for response rate after 450 patients were enrolled. Survival will be subsequently assessed in all patients enrolled. Patients in the study had to be all least years of age, have unresectable, measurable, histologically proven colorectal adenocarcinoma, with a Karnolsky performance status > 50%. Patients had to have SGOT (AST) and SGPT (ALT) < 2 x the institution's upper limit of normal (ULN), unless liver metastases were present and documented at baseline by CT or MRI scan, in which case > 5x ULN was permitted. Patients had to have alkaline phosphatase < 2 x the institution's ULN, unless liver metastases were present and documented at baseline by CT or MRI scan, in which cases > 5x ULN was permitted. Prior radiotherapy was permitted if it had been completed at least 3 weeks before randomization. permitted in the about the three arms of the study are presented in the table below.

Treatment arm	Dose	Regimen
Oxaliplatin + 5-FU/LV (N=152)		
5-FU/LV (N =151)	Day 1: LV 200 mg/m² (2-hour infusion), followed by 5-FU- 400 mg/m² (bolus), 600 mg/m² (2-hour infusion), 200 mg/m² (2-hour infusion), followed by 5-FU- 400 mg/m² (bolus), 600 mg/m² (2-bour infusion)	q2w
Oxaliplatin (N=156)	Day 1; oxaliplatin: 85 mg/m² (2-hour infusion)	q2w

Patients entered into the study for evaluation of response must have had at least one unidimensional lesion measuring ≥ 20mm using conventional Tor Mitl scans, or ≥ 10mm using a spiral CT scan. Tumor response and progression were assessed every 3 cycles (6 weaks) using the Response Evaluation Criteria in Solid Tumor (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.

The demographics of the patient population entered into this study are shown in the table below.

Patient Demographics in Refractory and Rel Colorectal Cancer Clinical Trial

turer la en un 1 habegorie - Co	5FU/LV N=151	OXALIPLATIN N=156	OXALIPLATINA 5FU/LV N=152
Sex: Male (%)	54.3	60.9	57.2
Female (%)	45.7	39.1	42.8
Median age	60.0	61.0	59.0
Range21 - 80 Race (%)	27 - 79	22 - 88	
Caucasian	87.4	84.6	88.8
Black 7.9	7.1	5.9	
Asian 1.3	2.6	2.6	100
Other 3.3 KPS (%)	5.8	2.6	
70 - 10094.7	92.3	95.4	
50 - 602.6	4.5	2.0	
Not reported Prior	2.6	4.5	2.0
radiotherapy (%) Prior	25.2	19.2	25.0
pelvic radiation (%) Number of metastatic sites (%)	18.5	13.5	21.1
1 27.2	31.4	25.7	e socio elecci
≥2 72.2	67.9	74.3	
Liver involvement (%)	ur.a	,42	Action of the second
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 and infusional 5-FUALV combination and 3 seach for infusional 5-FUALV alone and oxaliplatin alone. Patients treated with the combination of oxaliplatin and infusional 5-FUALV and an increased response rate compared to patients given infusional 5-FUAV oxaliplatin alone. The efficacy results are summarized in the tables below.

onse Rates (ITT Analysis)

Best response	SFU/LV (N=151)	OXALIPLATIN (N=156)	OXALIPLATIN+ 5FU/LV N=152
CR	0	0	0
PR	0	2(1%)	13 (9%)
p-value	0.0002	for 5FU/LV vs. OXAL	IPLATIN + 5FU/LV
95% ČI	0 - 2.4 %	0.2 - 4.6 %	4.6 - 14.2 %

mmary of Radiographic Time to Prog

ARM	5FU/LV (N=151)	OXALIPLATIN (N=156)	OXALIPLATIN+ 5FU/LV N=152
No. of progressors No. of patients with no radiological evaluation	74	101	50
beyond baseline	(15%)	16 (10%)	17 (11%)
Median TTP (months) 95% CI	2.7 1.8 - 3.0	1.6 1.4 - 2.7	4.6 4.2 - 6.1

"This is not an ITT analysis. Events were limited to radiographic disease progression documented 161 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 infusional 5-FUIV alone. Of the 13 patients who had tumor response to the combination of oxaliplatin and infusional 5-FUIV, 5 were temale and 8 were male, and included patients <65 years old and 65 years old. The small number of non-Caucasian participants made efficacy analyses in these populations

INDICATIONS AND USAGE

OXALTIE®, used in combination with infusional 5-FU/LV, is indicated for the treatment of patients with metastatic carcinoma of the colon or rectum whose disease has recurred or progressed during or within 6 months of completion of first line therapy with the combination of bolus SEI I/W and littorisease. 5-FU/LV and Irinotecan.

CONTRAINDICATIONS

OXALTIE® should not be administered to patients with a history of known allergy to oxaliplatin or other platinum

As in the case for other platinum compounds, hypersensitivity and anaphylactic/anaphylactoid reactions to osaliplatin have been reported. These alterigic reactions were similar in nature and severity to those reported with other platinum-containing compounds, i.e., rash, urticaria, erythema, pruritus, and, rarely, bronchospsam and hypotension. These reactions occur within minutes of administration and should be managed with appropriate supportive therapy. Drug-related deaths associated with platinum compounds from this reaction have been reported.

Pregnancy Category D

Pregnancy Category D

Positive evidence of human fetal risk based on adverse reaction from investigational or marketing experiences, but the potential benefits from the use of the drug in pregnant women may be acceptable despite its potential risks. Oxaliplatin may cause fetal harm when administered to a pregnant woman. Pregnant rats were administered to a pregnant woman. Pregnant rats were administered to a pregnant woman state of the pregnant of the pregnant woman state of the pregnant woman state of the pregnant woman state of the pregnant woman state of the pregnancy or if the patient becomes pregnant while taking this drug, the patient should be apprised of the potential hazard to the fetus. Women of childbearing potential should be advised to avoid becoming pregnant while taking the drug, the patient should be apprised of the potential hazard to the fetus. Women of childbearing potential should be advised to avoid becoming pregnant while taking treatment with oxaliplatin.

PRECAUTIONS

veneral

Qualiplatin should be administered under the supervision of a qualified physician experienced in the use of cancer chemotherapeutic agents. Appropriate management of therapy and complications is possible only when adequate diagnostic and treatment facilities are readily available.

Neuropathy was graded using a study-specific neurotoxic ty scale, which was different than the National Canc institute Common Toxicity Criteria, Version 2.0 (NCI CTC) Oxaliplatin is associated with two types of neuropa

Oxalipatan is associated with two types of neuropathy;

• An acute, reversible primarily peripheral sensory neuropathy that is of early onset, occurring within hours or one to two days of dosing, that resolves within 14 days, and that frequently recurs with further dosing. The symptoms may be precipitated or exacerbated by exposure to cold temperature or cold objects and they usually present as transient paresthesia, cysesthesia and hypocathesia in the hands, feet, perioral area, or threat. Jew spasm, abnormal tongue sensation, dysarthria, eye pain, and a feeling of chest pressure have also been observed. The acrotic reversible pattern of sensory neuropathy was observed in about 56% of study patients who received oxaliplatin with intuisional 5-fU[XV] in any individual cycle acute neurocixicity was observed in approximately 30% of patients. Ice runcositis prophylaxis) should be avoided during the infusion of oxaliplatin because cold temperature can accerebate acute neurological symptoms.

An acute syndrome of pharyngolaryngeal dysesthesia sen in 1-2% of patients is characterized by subjective sensations of dysphagia or dyspnea, without any laryngospasm or bronchospasm (no stridor or wheezing).

A persistent (>14 days), primarily peripheral, sensory neuropathy that is usually characterized by paresthesias, dysethesias, hyposethesias, 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 the study patients receiving oxaliplatin with infusional 5-FU/LV Persistent neuropathy can occur without any prior acute neuropathy event. The majority of the patients (80%) who developed grade 3 persistent neuropathy progressed from prior Grade 1 or 2 events. These symptoms may improve in some patients upon discontinuation of oxaliplatin. A persistent (>14 days), primarily peripheral,

Neurotoxicity scale:
The grading scale for paresthesias/dysesthesias was:
Grade 1, resolved and did not interfere with functioning;
Grade 2, interfered with function but not daily activities;
Grade 3, pain or functional impairment that interfered with
daily activities; Grade 4, persistent impairment that is
disabling or life-threatening.

Oxaliplatin has been associated with pulmonary fibrosis (0.7% of study patients), which may be latal. In case of unexplained respiratory symptoms such as non-productive cough, dyspnea, crackles, or radiological pulmonary infiltrates, oxaliplatin should be discontinued until further pulmonary investigation excludes interstitial lung disease or pulmonary investigation excludes interstitial lung disease or pulmonary investigation excludes interstitial lung disease or pulmonary intersis.

Information for Patients

Patients and patient's caregivers should be informed of the expected side effects of oxaliplatin, particularly its neurologic effects, both the acute, reversible effects, and the persistent neurosensory toxicity. Patients should be informed that the acute neurosensory toxicity might be precipitated or exacerbated by exposure to cold or cold objects. Patients should be instructed to avoid cold drinks, use of ice, and should cover exposed skin prior to exposure

use of ice, and should cover exposed skin prior to exposure to cold temperature or cold objects. Patients must be adequately informed of the risk of low blood cell counts and instructed to contact their physician immediately should fever, particularly if associated with persistent diarrhea, or evidence of infection develop. Patients should be instructed to contact their physician if presistent charming, disrhae, signs of deflycation, cough or breathing difficulties occur, or signs of allergic reaction angestern.

Standard monitoring of the white blood cell count with differential, hemoglobin, platelet count, and blood chemistries (including ALT, AST, billiubin and creatinine) is recommended before each OXALTIE® cycle.

Carcinogenesis, Mutagenesis, Impairment of Fertility
Long-term animal studies have not been performed to
versituate the carcinogenic potential of oxaliplatin.
Oxaliplatin was not mutagenic to bacteria (Ames test) but
was mutagenic to mammalian cells in virto (E175Y mouse
lymphoma assay). Oxaliplatin was clastogenic both in virto
(chromosome aberration in human lymphocytes) and in vivo
(mouse bore marrow micronucleus assay).

(mouse bone marrow micronucleus assay).

In a fertility study, male rats vere given oxalipitalin at 0, 0.5.

1 or 2 mg/kg/day for five days every 21 days for a total of three cycles prior to maining with females that received two cycles of oxalipstalin 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 caused developmental mortality (increased early resorptions, decreased live fetuses, decreased live futuses, decreased live futures.

decreased live bittins and veryor grammar weight). Testicular damage, characterized by degeneration, Testicular damage, characterized by degeneration, typoplasia, and atrophy, was observed in dogs adminis-tered oxaliplatin at 0.75 mg/kg/day x 5 days every 28 days for three cycles. An offect level was not identified. This daily dose is approximately one-sixth of the recommended human dose on a body surface area basis.

Pregnancy Category D

Nursing Mothers

Nursing Mothers
It is not known whether oxalipitatin or its derivatives are excreted in human milk. Because many drugs are excreted in human milk and because of the potential for serious adverse reactions in nursing infants from oxalipitatin, a decision should be made whether to discontinue nursing or delay the use of the drug, taking into account the importance of the drug to the mother.

Pediatric Use

The safety and effectiveness of oxaliplatin in pediatric patients have not been established.

Patients with Renal Impairment
The safety and effectiveness of the combination of oxaliplatin and infusional 5-FU/LV in patients with renal impairment has not been evaluated.
The combination of oxaliplatin and infusional 5-FU/LV should be used with caution in patients with preexisting renal impairment since the primary route of platinum elimination is renal. Clearance of ultra filterable platinum is decreased in patients with mild, moderate, and severe renal impairment. A pharmacodynamics relationship between platinum ultra filtrate levels and clinical safety and effectiveness has not been established.

Geriatric Use

Geriatric Use
No significant effect of age on the clearance of ultra
filterable platinum has been observed. In the randomized
clinical trial of oxaliplatin, 95 patients treated with oxaliplatin
and infusional 5-FU/LV were < 65 years and 55 patients
were ≥ 65 years. The rates of overal adverse events
including grade 3 and 4 events, were similar across and
within arms in the different age groups. The incidence of
diarrhea, dehydration, hypokalemia, and fatigue were
higher in patients ≥ 65 years old.

Drug Interactions

No specific cytochrome P-450-based drug interaction studies have been conducted. No pharmacokinetics interaction between 85 mg/m oxaliplatin and infusional 5-FU has been observed in patients treated every 2 weeks. Increases of 5-FU plasma concentrations by approximately 20% have been observed with doses of 130 mg/m² oxaliplatin dosed every 3 weeks. Since platinum containing species are eliminated primarily through the kidney, clearance of these products may be decreased by co administration of potentially nephrotoxic compounds; although, this has not been specifically studied.

ADVERSE REACTIONS

More than 1,500 patients with advanced colorectal cancer have been treated in clinical studies with oxaliplatin either as a single agent or in combination with other medications. The most common adverse reactions were peripheral sensory neuropathies, neutropenia, nausea, emesis, and

diarrhea. Four hundred and lifty patients (about 150 receiving the combination of oxaliplatin and 5-FU/LV) were studied in a randomized trial in patients with refractory and relapsed colorectal cancer. The adverse event profile in this study was similar to that seen in other studies and the adverse reactions in this trial are shown in the tables below. Thirteen per cent of patients in the oxaliplatin and infusional 5-FU/LV combination arm and 18% in the infusional 5-FU/LV arm had to discontinue treatment because of adverse effects related to gastrointestinal or hematologic adverse effects related to gastrointestinal and hematologic adverse events, or neuropathies. Both 5-FU and oxaliplatin are associated with gastrointestinal and hematologic adverse events. When oxaliplatin is a triministered in combination with infusional 5-FU/LV combinations, 8% with the vasilipatin alone, and 7% with infusional 5-FU/LV. Or the 7 deaths that occurred on the oxaliplatin and infusional 5-FU/LV combinations and "his infusional 5-FU/LV combination and "his infusional 5-FU/LV combination and "his infusional 5-FU/LV combination as the oxaliplatin and the oxalipla

The following table provides adverse events reported in the The tollowing table provides adverse events reported in the study in decreasing order of frequency in the oxaliplatin and indusional 5-FU/LV combination arm for events with overall incidences ≥ 5% and for grade 3/4 events with incidences ≥ 1%. This table does not include hematologic and blood chemistry abnormalities; these are shown separately below.

nce Reported In Colorectal Cancer Clin

Adverse event (WHO / Preferred)	5FU/LV (N=142)		OXALIF (N=1		OXALIPLATIN + 5FU/LV (N=150)	
	All grades	Grade 3/4	All grades	Grade 3/4	All grades	Grade 3/4
Any event	98	41	100	46	99	73
Fatigue	52	6	61	9	68	7
Diarrhea	44	3	46	4	67	11
Nausea	59	4	64	4 .	65	11
Neuropathy	17	0	76	7	73	7
Acute	10	0	65	5	56	2
Persistent	9	0	43	3	48	6
Varniting	27	4	37	4	40	9
Stomatitis	32	3	14	4	40	9
Abdominal pain		5	31	7.	33	4
Fever	23	1	25	. 1	29	1 9
Anorexia	20	1	20	2	29	3
Dyspnea	11	2	13	7	20	4
Back pain	16	4	11	0	19	3
Coughing	9	0	11	0	19	1
Edema	13	1	10	6.04030	15	1
Pain Injection	9	3	14	3	15	2
site reaction	5	1	6	0	10	3
Thrombo- embolism	4	2	2	1	9	8
empolism Hypokalemia	3	1	3	2	g	0
	6		5	3	8	3
Dehydration	.0.	10.00	5	300	8	3
Chest pain	4	- Second	3	borows		2 100
Febrile	100		0		6	
Neutropenia Gastroeso-	1	1		0		6
phageal reflux	3	0	1	0	5	2

The following table provides adverse events reported in the study in decreasing order of frequency in the oxaliplatin and infusional 5-FU/LV combination arm for events with overall incidences ≥ 5% but with incidences <1% NCI Grade 3/4 events.

Adverse Experience Reported In Colorectal Cancer Clinical Trial

(≥ 5% c	f all patients but with <1% NCI Grade 3/4 events)						
Adverse event (WHO / Preferred)	5FU/LV (N=142) All grades	OXALIPLATIN (N=153) All grades	OXALIPLATIN + 5FU/LV (N≃150) All grades				
Constinution	23	31	32				
Headache	8	13	17				
Phinitis	4	6	15				
Dyspepsis	10	7	14				
Taste							
perversion	1	5	13				
Dizziness	8	7	13				
Hand-fool	-						
syndrome	13	1	11				
Flushing	2	3	10				
Peripheral							
edema	11	5	10				
Allergic reaction	1	3	10				
Arthralgia	10	7	10				
Upper resp.							
tract infection	4	7	10				
Pharyngitis	10	2	9				
Rash	5	5	9				
Insomnia	4	11	9				
Epistaxis	1	2	9				
Mucosistis	10	2	7				
Alopecia	3	3	7				
Abnormal							
lacrimation	6	1	7				
Rigors	6	9	7				
Hematuria	4	0	6				
Dysuria	1	1	6				
Hiccup	0	2	5				
Flatulence	6	3	5				

Adverse events were similar in men and women and in patients < 65 and ≥ 65 years, but older patients may have been more susceptible to dehybration, dilarrhea, hypokalemia and fatigue. The following additional adverse events, at least possibly related to treatment and potentially important, were reported in ≥ 2% and <5% of the patients in the oxaliplatin and infusional S-Fu/L/V combination arm (listed in decreasing order of frequency); anxiety, mystajia, erythematous rash, increased exweating, conjunctivitis, weight reseased in complex patients and the second of the company of the com eryhematous rash, increased sweating, conjunctivitis, weight decrease, dry mouth, rectal hemorrhage, depression, ataxia, ascites, hemorrhoids, muscle weakness, nervousness, tachycardia, abnormal micturition frequency, dry skin, pruritis, hemorphysis, purpura, vaginal hemorrhage, melena, somnolence, pneumonia, proctitis, involuntary muscle contractions, intestinal obstruction, ginghitis, tenesmus, hot flashes, enlarged abdomen, urinary incontinence.

The following table lists the hematologic changes occurring in ≥ 5% of patients, based on laboratory values and NCI grade.

se Hematologic Exp (≥ 5% of patients)

Hematology parameter	5FU/LV (N=142)		OXALIPLATIN (N=153)		OXALIPLATIN + 5FU/LV (N=150)	
	All grades	Grade 3/4	All grades	Grade 3/4	All grades	Grade 3/4
Anemia Leukopenia Neutropenia Thrombo- cytopenia	68 34 25 20	2 1 5	64 13 7 30	1 0 0	81 76 73 64	2 19 44

Thrombocytopenia was frequently reported with the combination of oxaliplatin and infusional S-FU/LV. The incidence of Grade 3/4 thrombocytopenia was 4%. Grade 3/4 themorrhagic events were reported at low frequency and the incidence of these events was similar for the combination of oxaliplatin and infusional S-FU/LV and the infusional 5-FU/LV control group. The incidence of all hemorrhagic events, however, was higher on the oxaliplatin combination arm compared to the S-FU/LV arm. These events included nastrointestinal blaselino, hemativia and relativity and relativistic and rel gastrointestinal bleeding, hematuria and epistaxis

Neutropenia was frequently observed with the combination of oxaliplatin and infusional S-FULV, with Grade 3 and 4 events reported in 27% and 17% of previously treated patients, respectively. The incidence of febrile neutropenia was 1% in the infusional 5-FULV arm and 6% (fess than 1% of cycles) in the oxaliplatin and infusional 5-FULV combination arm.

Gastrointestinal

In patients receiving the combination of oxaliplatin and infusional 5-FU/LV, the incidence of Grade 3 and 4 nausea, vomiting, diarrhea, and mucositis/stomatitis increased comparer to infusional 5-FU/LV controls. The incidence of gastrointestinal adverse events appears to

be similar across cycles.

Premedication with anti emetics, including 5-HT3 blockers, is Premedication with anti-emetics, including 5-HI3 blockers, is recommended. Diarrhea and mucositis-may be exacerbated by the addition of oxialiplatin to infusional 5-FUIV, and should be managed with appropriate supportive care. Since cold temperature can exacerbate acute neurological symptoms, ice (mucositis prophylaxis) should be avoided during the infusion of oxaliplatin.

Oxaliplatin did not increase the incidence of alopecia compared to infusional 5-FU/LV alone. No complete alopecia was reported. The incidence of hand-loot syndrome was 13% in the infusional 5-FU/LV arm and 11% in the oxaliplatin and infusional 5-FU/LV combination arm

Care of Intravenous Site: Extravasation may result in local pain and inflammation that may be severe and lead to complications, including necrosis. Injection site reaction, including redness, swelling, and pain have been reported.

Oxaliplatin is consistently associated with two types of peripheral neuropathy. Seventy-four percent of patients experienced neuropathy. The incidence of overall and Grade 3/4 persistent peripheral neuropathy was 48% and 6%, respectively, in the study. These events can occur without any prior acute event. The majority of the patients (80%) that developed grade 3 persistent neuropathy progressed from prior Grade 1 or 2 events. The median number of cycles administered on the oxaliplatin with fluisonal 5- FU/LV combination arm was 6 cycles. In clinical trials that have studied similar administration schedules of this combination regimen, (median cycles ranged 10-12), a higher incidence (17%) of Grade 3/4 persistent neurotoxicity was observed.

Hypersensitivity to oxaliplatin has been observed (<1% Grade 3/4) in clinical studies. These allergic reactions, which can be fatal, were similar in nature and severity to those reported with other platinum-containing compounds - lee, rash, urticaria, erythema, purtilis, and, rarely, bronchospasm and hypolension. These reactions are usually managed with standard epinephrine, corticosteroid, and antihistamine therapy, anaphylactic/anaphylactoid reactions? reactions.)

Nenai About 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 oxaliplatin and infusional 5-FU/LV combination arm was 1%.

The following table lists the clinical chemistry change associated with hepatic toxicity occurring in \geq 5% of patients, based on laboratory values and NCI CTC grade.

c – Clinical Chemi (≥ 5% of patients)

Clinical Chemistry	5FU/LV (N=142)		OXALIPLATIN (N=153)		OXALIPLATIN + 5FU/LV (N=150)	
	All grades	Grade 3/4	All grades	Grade 3/4	All grades	Grade 3/4
ALT (SGPT - ALAT) AST (SGOT	28	3	36	1	31	0
- ASAT)	39	2	54	4	47	0
Total bilirubin	22	6	13	5	13	1

Thromboembolism
The incidence of thromboembolic events was 4% in infusional 5-FU/LV arm, and 9% in the oxaliplatin infusional 5-FU/LV combination arm.

Postmarketing Experience Body as a whole; angloedema, anaphylactic shock.
Central and peripheral nervous system disorders; loss of deep tendon reflexes, dysarthria, Lhermittes' sign, cranial nerve palsies, fasciculations.

Gastrointestinal system disorders; severe diarrhea/vi resulting in hypokalemia, metabolic acidosis; intestinal obstruction, pancreatitis.

Hearing and vestibular system disorders; deafness. Platelet, bleeding, and clotting disorders; immuno-allergic

thrombocytopenia.

Red Blood Cell disorders; hemolytic uremic syndrome natients Respiratory system disorders; pulmonary fibrosis, and other

Respiratory system disorders; pullibrary librors, and other interstitial lung diseases.

Vision_disorders; decrease of visual acuity, visual field disturbance, and optic neuritis.

OVERDOSAGE

There have been four oxaliplatin overdoses reported. One

patient received two 130 mg/m² doses of oxaliplatin (cumulative dose of 260 mg/m²) within a 24 hour period. The patient experienced Grade 4 thrombocytopenia (c25,000/mm²) without any bleeding, which resolved. Two other patients were mistakenly administered oxaliplatin instead of catoplatin. One patient received a total oxaliplatin dose of 500 mg and the other received 450 mg. The first patient experienced dyspnea, wheezing, paresthesia, profuse vorniling and chest pain on the day of administration. She developed respiratory failure and severe bradycardia, and subsequently did not respond to resuscitation efforts. The other patient also experienced dyspnea, wheezing, paresthesia, and vorniling. Her symptoms resolved with supportive care. Another patient who was mistakenly administered a 700 mg dose experienced rapid onset of dysesthesia. Inpatient supportive care was given, including hydration, electrolyte support, and platelet transfusion. Recovery occurred 15 days after the overdose. There is no known antiddet for oxaliplatin overdose inclusions of an oxaliplatin overdose have myelosuppression, nausea and vorniling, dlarthea, and myelosuppression, nausea and vomiting, diarrhea, and neurotoxicity. Patients suspected of receiving an overdose should be monitored, and supportive treatment should be administered

DOSAGE AND ADMINISTRATION

The recommended dose schedule given every two we as follows

OXALTIE® 85 mg/m² IV infusion in 250-500 mL D5W and leucovorin 200 mg/m² IV linfusion in D5W both given over 120 minutes at the same time in separate bags using a Y-line, followed by 5-FU 400 mg/m² IV bolus given over 2-4 minutes, followed by 5-FU 400 mg/m² IV infusion in 500 mL D5W (recommended) as a 22-hour continuous infusion.

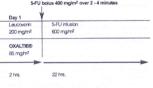
Day 2:

Leucovorin 200 mg/m² IV infusion over 120 minutes, followed by 5-FU 400 mg/m² 2 IV bolus given over 2-4 minutes, followed by 5-FU 600 mg/m² IV infusion in 500 mL DSW (recommended) as a 22-hour continuous infusion. Repeat cycle every 2 weeks.

ninistration of OXALTIE® does not require

The administration.

Premedication Premedication with antiemetics, including 5-HT3 blockers with or without dexamethasone, is recommended.





Dose Modification Recommendations

Dose Modification Recommendations
Prior to subsequent therapy cycles, patients should be
evaluated for clinical toxicities and laboratory tests.
Neuropathy was graded using a study-specific neurotoxicity
scale; other toxicities were graded by the No! CTC,
Version 2.0, Prolongation of influsion time for oxalipitatin from
Jours to 6 hours decreases the Case by an estimated 32%
and may mitigate acute toxicities. The influsion time for
influsional 5-PL and leucovorin on on need to be changed.
For patients who experience persisted Trade 2 neurosenory events that do not reactive, a dose reduction of
OXALTIE8 to 65 mg/m² should be considered. For patients
with persistent Grade 3 neurosensory events, discontinuing
therapy should be considered. The influsional 5-PU/Ly
regimens need not be altered.
A dose reduction of OXALTIE8 to 65 mg/m² and influsional
5-PU by 20% (300 mg/m² bolus and 500 mg/m² 22 hour
influsion) is recommended for platients after receivery from
grade 3/4 gastrointestinal (despite prophylactic treatment)
or grade 3/4 rematologic toxicity (neutrophile 1.5 5 107 h.,

or grade 3/4 hematologic toxicity (neutrophils <1.5 x 10° /L, platelets <100 x 10° /L)

Preparation of Infusion Solution

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

The lyophilized powder is reconstituted by adding 10 mL (for the 50 mg vial) or 20 mL (for the 100 mg vial) of Water for Injection, USP or 5% Dextrose Injection, USP. Do not administer the reconstituted solution without further diluttion. The reconstituted solution must be further diluted in an intesion solution of 250-500 mL of 5% Dextrose Injection, USP.

Injection, USP.
After reconstitution in the original vial, the solution may be stored up to 24 hours under refrigeration 2°C-8°C (389°-46°F). After final dilution with 250-500 mL of 5% Dextrose injection, USP, the shalf life is 6 hours at room temperature 20°C-28°C (88°F-77°F) or up to 24 hours under refrigeration 2°C-8°C (86°F-87°F). OALTIE® is not light sensitive under normal room condigion.
Oxalipiatin is incompatible in solution with alkaline medications or media (such as basic solutions of 5°EU) and must not be mixed with these or administered simillaneously through the same infusion line. The Infusion line should be flushed with DSW prior to administration of any concomitant medication.

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returned or intravenous administration sets containing aluminum parts that may come in contact with oxaliplatin should not be used for the preparation or mixing of the drug. Aluminum has been reported to cause degradation of platinum compounds.

HOW SUPPLIED

OXALTIE® is supplied in amber glass, single-use vials with gray elastomeric stoppers and aluminum flip-off seals containing 50 mg or 100 mg of oxaliplatin as a sterile, preservative-free lyophilized powder for reconstitution. Lactose monohydrate is also present as an inactive ingre

Storage

Store under normal lighting conditions between 15°C and 25°C (59°F to 77°F).

Handling and Disposal

nanoning and Disposal

As with other potentially toxic anticancer agents, care
should be exercised in the handling and preparation of
infusion solutions prepared from OXALTIE®. The use of
gloves is recommended. If a solution of OXALTIE® contacts gloves is recommended. If a solution of OXALTIE® contacts the skin, wash the skin immediately and thoroughly with soap and water. If OXALTIE® 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. There is no general agreement that all of the procedures recommended in the guidelines are necessary or appropriate

This medication must be used exclusively under medical prescription and surveillance and cannot repeated without a new medical prescription

DO NOT USE AFTER EXPIRATION DATE

MEDICINE: KEEP OUT OF CHILDREN'S REACH

Medicinal specialty authorized by the Argentinean Ministry of Health. Certificate Nº 48330

Manufactured by: BIOPROFARMA S.A. Terrade 1270, C 1416ARD C.A. de Buenos Aires, Argentina A Bagó Group Member

Marketed'in Pakistan by:



(A Subsidiary of Ferozsons Laboratories Limited) 5 km Sunder-Raiwind Road, Raiwind, Lahore Mfg. Lic. No. 000655