

WARNING
Karbolen (carboplatin aqueous solution) INJECTION should be administered under the supervision of a qualified physician experienced in the use of canoer chemotherapeutia agents. Appropriate management of therapy and complications is possible only when adequate treatment facilities are readily available. Bone marrow suppression is dose related and may be severe, resulting in infection and/or bleeding. Anemia may be cumulative and may require transfusion support. Vorniting is another frequent drug-related side effect. Anaphylactic-like reactions to carboplatin have been reported and may occur within minutes of Karboteen administration. Epinophrine, contocoleroids, and antihistantimes have been employed to alleviate symptomic and inhibitations.

Lepresprine, cortocosteroos, and arisinsamers have been employed to alleviate symptoms.

ACTION

Mechanism of action / Pharmacodynamics

Carropatin, tile displatin, produces predominantly intentrant DNA cross-links rather than DNA protein cross-links. This is capitally which is thought to produce the active species, occurs at a slower rate than in the case of displatin. Despite this difference, it appears that both carbopatin and displatin induce equal mulmbers of drug-DNA cross-links, causing equivalent lesions and biological effects. The difference in pole cises for carbopatin and cisplatin appear to be directly related to the difference in aquation rates.

one for cathoplatin and cisplatin appear to be directly related to the difference in adjustment representation of the comment of the comment

plasma AUCs should be used in elderly patients to minimize the risk of toxicity.

NIDICATIONS

INDICATIONS

I

or administration of karooriest. Single-Agent Therapy Karboteen (carboplatin aqueous solution) INJECTION, as a single agent, has been shown to be effective in patients with recurrent ovarian carcinoma at a dosage of \$60 mg/m2 IV on day 1 every 4 weeks. In general, however, single intermitte courses of Karboteen should not be repeated until the neutrophil count is at least 2,000 and the platelet count is at least 1.000 mg/m2 or 1.000 mg/m2 or 1.000 mg/m2 or 1.000 mg/m2 IV or 1.000 mg/m2 or 1.

Countes of Natrocteen should not be repeated until the neutropin count is at least 2,000 and the plateete counter and 2,000 and 1,000 and 2,000 and 2,00

Platelets	Neutrophils	Adjusted Dose * (From Prior Course)
>100,000	> 2,000	125%
50-100,000	500 - 2,000	No Adjustment
< 50,000	< 500	75%

Percentages apply to Kundower (parhopatin appears estated) INJECT(DM as a single append on to both Kundower and cyclophospharbanic or combination. In the controlled selection, doubles were also adjusted as a lower level (50% to 60%) for server myelosuppression. Escalations above 125% were not recommended for those studies.

Karboteen is usually administered by an intrusion lasting 1s minutes of longer. No pre- or post-treatment nyoration or food duress is required. Patients with impaired Kidney Function. Patients with creatment elearance values below 60 mL/min are at increased risk of severe bone marrow suppression. In renally-impaired patients who received single-apert carbotishin therapy, the incidence of severe leukopenia, neutropenia, or thrombootypoma has been about 25% when the dosage modifications in the table below have been used.

Baseline Creatinine Clearance	Recommended Dose on Day 1
41-59 mL/min	250 mg/m ²
16-40 mL/min	200 mg/m ²

The data available for patients with severely impaired kidney function (creatinine clearance below 15 mL/min) are too limited to permit a recommendation for treatment. These dosing recommendations apply to the initial course of treatment. Subsequent dosages should be adjusted acco to the patient's tolerance based on the degree of bone marrow suppression.

The product for the product of the disprect of bother marrow suppression.

Formula Doslar of the disprect of bother marrow suppression.

Formula Doslar of the disprect of bother marrow suppression.

Formula Doslar of the disprect of bother marrow suppression.

Formula Doslar of the disprecia of the disprect of bother marrow suppression.

Formula Doslar of the disprecia of the disprecia of the disprecia of the dispression of the

AUC (mg/mL·min)	% Actual Toxicity in Previously Treated Patients		
	Gr 3 or Gr 4 Leukopenia	Gr 3 or Gr 4 Thrombocytopenia	
4 to 5	16%	13%	
6 to 7	33%	34%	

eriatric Dosing

ed in elderly patients, formula dosing of Karboteen based on estimates of GFR vide predictable plasma Karboteen AUCs and thereby minimize the risk of toxi

Because renal function is often decreased in elderly patients, formula dosing or karnoteen based on estimates or arrivational between AUS and thereby maintact be risk of toxicity PREPARATION OF INTRA/ENOUS SOLUTIONS.

Recommended to the second of the patients of the second of the s

IDICATIONS (carboplatin aqueous solution) INJECTION is contraindicated in patients with a history of severe allergic cisplatin or other platinum-containing compounds. should not be employed in patients with severe bone marrow depression or significant bleeding.

WARNINGS

WAHNINGS

Done marrow suppression (leukopenia, neutropenia, and thrombocytopenia) is dose-dependent and is also the dose-limiting toxicity. Peripheral blood counts should be frequently monitored during Karboteen treatment and, when appropriate, until recovery is achieved. Median nadie occurs at day 21 in planistra receivable gisleg-agent carboplatin. In general, single intermittent courses of Karboteen should not be repeated until leukocyte, neutrophil, and platelet counts have recovered.

Since anemia is cumulative, transfusions may be needed during treatment with Karboteen, particularly in patients receiving proteingnot therapy.

Bone marrow suppression is increased in patients who have received prior therapy, especially regimens including displatin. Marrow suppression is also increased in patients with impaired kidney function, Initial Karboteen dosages in these patients should be particularly immorated between courses. The use of Karboteen should be particularly monitored between courses. The use of Karboteen should be particularly mentaged with respect to design and training in order for minimize additive effects.

Carboptain has limited enphrotosic optential, but concomitant treatment with anninophycosidee has resulted in increased renal andor authologic toxicity, and caution must be certificated when a patient receives both drugs, higher than recommended doses in combination with other rotoxics agents.

Karboteen can induce emesis, which can be more severe in patients previously receiving emetagenic therapy. The incidence and threatily of emesis have been reduced by using premedication with attemptics. Attrough no conclusive to 24 hours or dividing the total dose over 5 consecutive daily pulse doses has resulted in roduced emesis. Although peripheral neurotoxicity is infrequent, its incidence is increased in patients foreiral neurotoxicity in infrequent, its incidence is increased in patients does than 155 years and in patients previously traited with displatin. Pre-existing displatin-induced neurotoxidy dose not worsen in Loss of vision, which can be complete for light and colors, has been reported after the use of carboptalin with doses higher than those recommended in the package insert. Vision appears to recover totally or to a significant extent within weeks of stopping these high doses.

than those recommended in the package insert. Vision appears to recover totally or to a significant extent within weeks of stopping these high doses.

As in this case of other platinum-coordination compounds, allergic reactions to carboplath have been reported. These may cour within multies of administration and should be managed with appointed supportive therapy. There is increased risk of allergic reactions including analysisate in patients previously exposed to platinum therapy. High dosages of carboplatin more than 4 times the recommended dose) have resisted in severe arbitransities of lave function tests.

Carboplatin has been shown to be entheydoxic and tertalogenic in rats. There are no adequate and well-controlled studies in preparant women. It this drug is used during pregnancy, or if the patient becomes pregnant while receiving this drug, the patient should be apprised of the potential hazard to the fetus. Women of childbearing potential should be advised to avoid becoming regnant.

receiving 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.

PRECAUTIONS

PRECAUTIONS

Needles or intravenous administration sets containing aluminum parts that may come in contact with Karboleen (carboplatin aqueous solution) INJECTION, should not be used for the preparation or administration of the drug. Aluminum can react with eartoplatine acusing precipitate formation and loss of potency.

The renel effects of rephrotoxic compounds may be potentiated by Karboleen.

Carcinogenesic, Mutagenesic, Impairment of Fertiliary.

The carcinogenic potential of carboplatin has not been studied, but compounds with smilar mechanisms of action and matagenizely profiles have been reported to be carriorappenic. Carboplatin has been shown to be mutagenic both in with outgain the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic and the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic both in with the carboplatin has been shown to be mutagenic been dependent to be mutagenic been shown to be mutagenic been dependent to be mutagenic been shown to be mutagenic been shown

Pediatric Use
Safety and effectiveness in pediatric patients have not been established.

Geritatic Use
Geritatic Use
Safety and effectiveness in pediatric patients have not been established.

Geritatic Use
Safety and effectiveness in risks treatment combination therapy studies (NCIC and SWOG), 365 patients were treated with control patients of the pediatric non-ordination with cophophophamics of these. 141 were over 85 years of age and 22 were 75 years or older. In these trials, age was not a prognostic factor for survival. In terms of safety, elderly patients leaded with carboplatin over more likely to develop severe intronchopophens than younger patients. In a combined database of 1,942 patients (414 were 265 years of age) that received single-agent carboplatin for different tumor types, a similar incidence of adverse events was seen in patients 65 years and older and in patients 65 years of patients. Our greater sensitivity of the order of the carbon of the patients of the patient

events was seen in patients 65 years and older and in patients less than 65. Other reported clinical experience has not identified differences in responses between elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out. Because renal function is often decreased in the elderly, renal function should be considered in the selection of Karboteen dosage.

Hematologic Toxicity

Toxicity

Toxicity

Toxicity

Line patients and the patients of the patients of the patients of the patients of the patients and the patients a

war to models a compared to the provided of the provided and an accommendation of the provided and an account of the provided and account of the provided account of the provided

were reported. Electrolyte Changes
The incidences of abnormally decreased serum electrolyte values reported were as follows: sodium; 29%; potassium, 20%; calcium, 29%, and magnesium, 29%; (47%, 26%, 31%, and 43%, respectively, in pretreated overlan cancer patients). Electrolyte supplementation was not routinely administered concomitantly with carboptatin, and these electrolyte abnormalsAllergic Reactions and with symptoms.

Hypersensitivity to carboptatin has been reported in 2% of the patients. These allergic reactions have been similar in
nature and severity to those reported with other platinum-containing compounds, ie, rash, urticaria, erythems, purulus, and
rarely bronchospasm and hypotension. Anaphylactic reactions have been reported as part of postmarkering surveillance
(see WARNINGS). These reactions have been successfully managed with slandard epineprine, corticosteroid, and

actions, including redness, swelling, and pain, have been reported during postmarketing surveil lated with extravasation has also been reported.

Other Events

alia and astheria were the most frequently reported miscellaneous adverse effects; their relationship to the tumor and to
memia was likely. Alopscia was reported (%), Cardovascular, respiratory, gentiourinary, and muoscal side effects have
at a likely and the state of the patients and did not appear to be related to chemotherapy. Cancer-associated hemolytic uremi
sphore has been reported rarely.
Aliasies, ancresia, hypertension, dehydration, and stomatisis have been reported as part of postmarketing surveillance.

KNOWN antidote for Karboteen (carboplatin aqueous solution) INJECTION overdosage. The anticipated compli-verdosage would be secondary to bone marrow suppression and/or hepatic toxicity.

STORAGE
Store below 25°C. Protect from light.
PRESENTATIONS

Wals

KARBOTEEN 50 mg:
KARBOTEEN 150 mg:
Carboplatin 150 mg/15 ml
Carboplatin 150 mg/15 ml
Carboplatin 450 mg/45 ml
Carboplatin 600 mg/60 ml
Carboplatin 600 mg/60 ml

THIS IS A MEDICAMENT

A medicament is a product which affects your health, and its consumption contrary to instructions is dangerous.
 Follow the doctor's prescription strictly, the method of use and the instructions of the pharmacist who sold the medicament.
 The doctor and the pharmacist are experts in medicine, its benefits and risks.
 Do not by yourself interrupt the period of freatment prescribed for you.
 Do not repeat the same prescription without consulting your doctor.



Keep medicament out of the reach of children 2INKBTV-E-12/2010