

GEMCITABINE FOR INJECTION, USP HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use Gemcitabine for Injection, USP safely and effectively. See full prescribing information for Gemcitabine for

on, USP. tabine for Injection, USP, Powder, Lyophilized, For on For Intravenous Use Initial U.S. Approval: 1996

INDICATIONS AND USAGE

Gemcitabine for Injection, USP is a nucleoside metabolic inhibi-

Gemcitabine for Injection, USP is a nucleoside metabolic inhibitor indicated for:

Ovarian cancer in combination with carboplatin (1.1)

Breast cancer in combination with pacifixed (1.2)

Non-small cell lung cancer in combination with cisplatin (1.3)

Pancreatic cancer as a single-agent (1.4)

DOSAGE AND ADMINISTRATION

DOSAGE AND ADMINISTRATION

Generalizable for Injection is for interessors use only.

• Orasin cause: (DOSage) for set 30 minutes on Days 1 and

• Breast cause: 1000 might over 30 minutes on Days 1 and

• Breast cause: 1000 might over 30 minutes on Days 1 and

• Rost small cell larg causer 4 week schedule, 1000 might

• Over 30 minutes on Days 1, 8, and 15 do each 26-day cycle and

• Rost small cell larg causer 4 week schedule, 1000 might

• Parcensic causer 1000 might over 30 minutes on Days 1

and 6 of each 2-day cycle [2, 3]

• Parcensic causer 1000 might over 30 minutes on Days 1

not 1000 might over 30 minutes on Days 1

not 1000 might over 30 minutes on Days 1

not 1000 might over 30 minutes on Days 1

not 1000 minutes 1000 minutes on Days 1

**Control of the Control of

Subsequent cycles should consist of infusions one for 3 consecutive weeks out of every 4 weeks (2.4) Dose Reductions or discontinuation may be need on toxicities (2.1 to 2.4)

DOCACE EODING AND OTRENCTUR

Patients with a known hypersensitivity to gemcitabine (4)

WARNINGS AND PRECAUTIONS

"MANIMOR AND PRICAUTIONS"

Influsion time and does frequency. Increased toxicity with influsion time and does frequency. Increased toxicity with influsion time and on invited are of doing more frequently than Hernatology. Monitor for myreleouspersion, which can be influented to the invited of the invited and the invited time and the invited and periodically fluenced to the invited and periodically thereafter. Use with caudion in patients with read periodically invested to the invited on the many and periodically invested to the invited on the invited and periodically invested to the invited of the i

toxicity (5.8). ADVERSE REACTIONS

The most common adverse reactions for the single-agent (220%) are nauses and vomiting, anemia, ALT, AST, neutropenia, leukopenia, alkaline phosphatase, proteinuria, fever, hematuria, rash, thrombocytopenia, dyspnea (6.1) To report SUSPECTED ADVERSE REACTIONS, contact APP Pharmaceuticals, LLC, Medical Affairs at 1-800-551-7176 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

Revised: March/2011

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INDICATIONS AND USAGE

INDICATIONS AND UNDERSONABLE OF THE ABOVE OF

completion or plasmum-based merapy.

2 Breast Cancer
Gemolabine for injection in combination with pacifitaxel
is indicated for the first-line treatment of patients with
metastatic breast cancer after failure of prior anthracyclinecontaining adjuvant chemotherapy, unless anthracyclines
were clinically contraindicated. 1.3 Non-Small Cell Lung Cancer
Compilabine for Injection is indicated in combination with

cisplatin for the first-line treatment of patients with inoper-able, locally advanced (Stage IIIA or IIIB), or metastatic (Stage IV) non-small cell lung cancer.

Pancreatic Cancer
 Genicibiline for lipication is indicated as first-fine treatment for patients with locally advanced inconsecutable Stage II in the pancreas. Genicibiline is indicated for patients previously pread with 5-FU.
 DOSAGE AND DOMINISTROM
 Commission of the pancreas of the pa

Gemclabine may be administered use a comparation of Overland Cancer Gemclabine for the coding and of t

Z 100,000 x 107/L pnor to each cycle.

Dose Modifications
Germolitabine for Injection dosage adjustment for hematological toxicity within a cycle of freatment is based on the granulocyte and platelet counts taken on Day 8 of therapy. If marrow suppression is detected, germotabine for injection dosage should be modified according to guidelines in Table 1.

In general, for severe (Grade 3 or 4) non-hematological toxicity, except nausea/vomiting, therapy with gemoitabine for injection should be held or decreased by 50% depending on the judgment of the treating physican. For carboplatin dosage adjustment, see manufacturer's prescribing information. information.

Dose adjustment for gemcitabine for injection in combina-tion with carboplatin for subsequent cycles is based upon observed toxicity. The dose of gemcitabine for injection in subsequent cycles should be reduced to 800 mg/m² on Days 1 and 8 in case of any of the following hematologic

Logis 1 also in case of any or the showing inemalologic Absolution granulopy de count-(500 x 10%), for more than 5 days 4 Absolute granulocyte count-(500 x 10%). For more than 5 days 1 and 1 a

tion should be given on Day 1 only all 800 mg/m². Breast Cancer Genotiables for Injection should be administered intra-venously at a dose of 1250 mg/m² over 30 minutes on Days 1 and 6 of each 21-day cycle. Pacificated should be not provided to the provided of the should be monitored prior to each dose with a complete blood count, including differential counts. Patients should have an absolute granulocyte count ≥ 1500 x 10°H, and a patient count ≥ 10°M, and 10°M. The provided of the patient counts ≥ 10°M. and 10°M. The provided of the patient counts ≥ 10°M. and 10°M. The provided of the patient counts ≥ 10°M. The patient counts of patient counts ≥ 10°M. The patient ≥ 10°M. The patient ≥ 10°M. The patient ≥ 10°M

pasteet count 2 100,000 x 10%; prior to each cycle.

Dose Modifications
Genicitabine dosage adjustments for hematological toxicity is based on the granulocyte and platelet counts taken on Day 8 of therapy. If marrow suppression is detected, gemicitabine dosage should be modified according to the guidelines in Table 2.

Table 2: Day 8 Dosage Reduction Guidelines for Gemoitabine in Combination with Paclitaxel | Gemeitabline in Combination with 1 - 245-00041 | Absolute granido/te count (1974) | Fliefeld count (1974) | 110 dose | 212000 | And | 275,000 | 100 | 100 to 1199 | 01 | 50,000 | 175,000 | 75 | 700 to 199 | 24 | 250,000 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

In general, for severe (Grade 3 or 4) non-hematological toxicity, except alopecia and nausea/vomiting, therapy with gemcitabine should be held or decreased by 50% depending on the judgment of the treating physician. For pacitaxel dosage adjustment, see manufacturer's prescribing information.

depending on the judgment of the treating phylicians. Non-dismitted phylicians of the property of the propert

information.

In general, for severe (Grade 3 or 4) non-hematological toacity, except alopeoia and nausea/romforp, therapy with psy 50% depending on the judgment of the treating physician. During combination therapy with cisplain, serum ranginesium should be carefully menitored (Grade 3/4 serum creatinne toxicity for gemotiabrie plus cisplain was 5% venzue 25 for cisplain along.

5% versus 2% for cisplatin alone).
2.4 Pancreatic Cancer
Geniciabine for injection should be administered by intravenus initiation at a dose of 1000 mg/m² over 30 minutes once weekly for up to 7 weeks (or unfit toxicity recessfates reducing or holding adose), followed by a week of set from treatment. Subsequent cycles should consist of influsions once weekly for 3 consecution weeks unto 6 rever's 4 weeks.

once weekly for 3 connectable weeks out of every 4 weeks. Deside Modifications based upon the degrees of hemato-logic toxicity experienced by the pattern (see Warrings and Percaulation (8.2). Collearation in women and the sidedity is proceeding of the pattern of the pattern of the sidedity is to subsequent cycles (see Warrings and Precaulation (8.2) and collearation of the pattern of the pat

Table 3: Dosage Reduction Guidelines

| Table 5: Lubesgle Institute | Absolute | Absolute | Familor/se count (r.10%1) | (r.10%

Laboratory evaluation of renal and hepatic function, includ-ing transaminases and serum creatinine, should be per-formed prior to initiation of therapy and periodically there-after. Germitabine for injection should be administered with caution in patients with evidence of significant renal or hepatic impairment as there is insufficient information from clinical studies to allow clear dose recommendation

Palanta treated with genicability who complete as entire-cycle of therapy may have the base for subsequent cycles consecuting the palanta of the palanta of the palanta of the consecuting the palanta of the palanta of the palanta of the 10,000 x 10⁻¹L, respectively, and from heratologic box (by has not been palent from NHO Global 1 in planta to palanta of the palanta of the palanta of the palanta (by has not been palanta) and from heratologic box (by has not been palanta of the palanta of the palanta increased does, the does for in end cycle can be but-ing the palanta of the palanta contribution of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta of the palanta of the palanta of the palanta data of the palanta

ADVERSE REACTIONS

6.1 Clinical Trials Experience Because clinical thials are conducted under widely varying conditions, adverse reaction rates observed in the clinical thials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

Most adverse reactions are reversible and do not need to result in discontinuation, although doses may need to be withheld or reduced.

Gemcitabine has been used in a wide variety of malignan-cies, both as a single-agent and in combination with other cytotoxic drugs.

Single-AgentUse:
Myelosuppression is the principal dose-limiting toxicity
with gemolabine therapy. Dosage adjustments for hematologic toxicity are frequently needed (see Dosage and
Administration (2.1, 2.2, 2.3, and 2.4).

Administration (2.1, 2.2, 2.3, and 2.4). The data in Table 4 are based on 979 patients receiving genericabine as a single-agent administered weekly as a 30-minute inflation for treatment of a wide vastery of the control of the cont

in discontinuation of gernicibine therapy in about 10% of patients. In the comparative trial in parcreatic cancer, the discontinuation rate for adverse reactions was 14.5% for the gernicibine arm and 4.8% for the 5-FU arm. All WVD graded bibotality observe reactions are islated in reactions are islated in reactions are islated in reactions are islated in reactions are instead in the control of the control of

under the Renal, Pulmonary, and infection categories. Hermatologic — I nutules in parcreate canore myelospace pression is the dose-limiting loxicity with genrolations. but leukopenia, or themotopolypenia. Rel blood cell transiti-sions were required by 18% of patients. The incidence of (hermorrhage), form any cause, was reported in 18% of patients. I less than 1% of patients required platelet transiti-sions. Platients should be monitored for myelosogpressions. Platients should be monitored for myelosogpressions platients should be monitored for myelosogpressions. Platients

[see Dosage and Administration (21, 22, 23, and 2-9).

Gastrointestinal – Nausea and vomiting were commonly reported (69%) but were usually of mild to moderate severity. Severe nausea and vomiting (WHO Grade 3/4) occurred in -15% of patients. Diarrhea was reported by 19% of patients, and stomatitis by 11% of patients.

19% of patients, and stomatilis by 11% of patients. Hepatic — In citical tribis, gencibish was associated with transiert elevations of one or both serum transamineses in of linear patients. The patients of the patients of the patients of of exposure to gencilabine or with greater total cumulative descriptions or the patients of the patients of the patients of cells, has been reported very reserving periodic patients of general patients of the patients of the patients of patients

Repatitions drugs (see Advance Reactions (II.2)). Read — In clinical law, mild professions and hematuria frame — In clinical law, mild professions and hematuria the Hematuria structure (Syndrome (HUS)) were reported in or 3 520 patients (250) investiving practicities in clini-dary of the Syndrome (HUS) were reported in therapy. 2 minodalaty post-freezy. The diagnosis of the specific of specific of

equireu (see Adverse Heactions (6:2)).

Fever – The overall incidence of fever was 41%. This is in contrast to the incidence of refection (16%) and indicates that gemclabine may cause fever in the absence of clinical infection. Fever was frequently associated with other fluilike symptoms and was usually mild and clinically manageable.

Rash - Rash was reported in 30% of patients. The rash was reported in 30% of patients. The rash was typically a macular or finely granular maculopapular pruritic eruption of mild to moderate severity involving the trunk and extremities. Pruritus was reported for 13% of patients.

low se 0.1 mg/mL.

Reconstituted gemcitabine is a clear, colorless to light straw-colored solution. After reconstitution with 0.9% Sodium Chloride Injection, the pf of the resulting solution lies in the range of 2.7 to 3.3. The solution should be prior to administration, whenever solution or container permit. If particulate matter or discoloration is found, do not administer.

not administer.

When prepared as directed, genicitabine solutions are stable for 24 hours at controlled room temperature 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. Discard unused portion. Solutions of reconstituted genicitabine should not be refrigerated, as crystallization may occur.

citations should not be refingerated, as crystalization may the compatibility of generations with whose drugs has not been studied. No incompatibilities have been observed stration sets. Since no polysing folding hose paid admini-tariation sets. Since no polysing folding hose paid and polysing the paid of the polysing of the polysing of powder available in settler single-set and she has polysing 200 mg. 1 g or 2 grams generations. Generations is contrandicated in those patients with a shown hyperaemalisty to the drug. Patients reconstructly metang with generations of Patients reconstructly metang with generations should be monitored closely by a physician experienced in the use 1 Mestato Time.

Infusion Time
Caution – Prolongation of the infusion time beyond 60
minutes and more frequent than weekly dosing have been
shown to increase toxicity [see Clinical Studies (14.5)].

Hematology
Gemolabine can suppress bone marrow function as marifested by leukopenia, thromboy(topenia, and anemia) (see
Adverse Reactions (6.1)), and myelosuppression is usually
the dose-limiting toxicity. Patients should be momitored
for myelosuppression during theaty (see Dosage and
Administration (2.1, 2.2, 2.3, and 2.4)).

5.3 Pulminiariamus (2.1, E.2, 2.3, and 2.49).
Pulmonary
Pulmonary toxicity has been reported with the use of gemotlabhe. In cases of severe lung toxicity, gemotlabine therapy should be discontinued immediately and appropriate supportive care measures instituted (see Adverse Reactions (6.1 and 6.2)).

Neasions (o. - ans u.c.):

Renal
Hemolylic Uremic Syndrome (HUS) and/or renal failure
have been reported following one or more doses of gem-orations. Renal failure leading to desh or requiring dialysis,
despite discordinuation of therapy, has been reported. The
due to HUS (see Adverse Reactions (6. 1 and 6.2)). Gemcitabine should be used with caution in patients with preexisting renal impairment as there is insufficient information from clinical studies to allow clear dose recommendation for these patient populations (see Use In Specific Populations (8.6)).

Hepatic Serious hepatotoxicity, including liver failure and death, serious hepatotoxicity, including liver failure and death, has been reported in patients receiving gerncitatine alone or in combination with other potentially hepatotoxic drugs [see Adverse Reactions (6.1 and 6.2)].

isee nuverse Neactions (ct. 1 and 6.2).

Gemclabine should be used with causion in patients with preoxising hepatic insufficiency as there is insufficient prevailed in the control of the

hepatic insulficiency (see use in spiteurs repairment expensions). Pregnancy
Pregnancy
Pregnancy
On cause feeta harm when administered to
a pregnant woman. In pre-clinical studies in mice and rabbits, genitabitive was feetal opens, embryotoxis, and felotoxic. There are no adequate and well-controlled studies of
pregnancy, of file patient becomes pregnant with the biting
first drug, the patient should be apprised pregnancy and a
surand to the feets fore time in Specific Populations (8.1).

Tazaro to the tetus (see cuse in special: repulsators (e. 1).

Laboratory Teets

Patients receiving gemicitabine should be monitored prior to each dose with a complete blood count (GSC), including differential and platelet count. Suspension or modification of therapy should be considered when marrow suppression is detected (see Dosage and Administration (2.1, 2.2, 2.3, and 2.4).

Laboratory evaluation of renal and hepatic function should be performed prior to initiation of therapy and periodically thereafter (see Dosage and Administration (2.4)). Radiation Therapy
 A pattern of tissue injury typically associated with radiation toxicity has been reported in association with concurrent and non-concurrent use of gemcitabine.

sin non-concurrent use of gemcitabine.

Non-concurrent (signe) > 7 (asig. agant) - Analysis of the data does not indicate enhanced toxicity when gencitabine is administered more than 7 days before or after radiation, other than radiation recall. Data suggest that gemcitabine can be started after the acute effects of radiation have resolved or at least one week after radiation.

Concurrent (viewe logether or 3f layes and) - Preclinical and clinical studies have shown that gemolatine has radiosensitizing activity. Toxicity associated with this multimodality therapy is dependent on many different factors, including dose of gemoiable, frequency of gemoiable administration, dose of radiation, radiotherapy classifier the process. planning technique, the target trissue, and target volume. In a single trial, where gemcitabine at a dose of 1000 mg/m² was administered concurrently for up to 6 consecutive

weeks with therapeutic thoracic radiation to patients with non-small cell lung cancer, significant toxicity in the form of severe, and potentially life finiteshing mucrositis, eppelurally in patients receiving large volumes of radiotherapy immedian treatment volumes 4756 cm²). Subsequent statistics have been reported and suggest that genicalishine has predictable and less severe loxicity. However, the optimum regimen for safe administration of genicalishine with therapeutic Colores of radiation has not be been determined. Edema - Edema (13%), peripheral edema (20%), and generalized edema (<1%) were reported. Less than 1% of natients discontinued due to edema of patients discontinued due to edema.

Flui-like Symptome - Flus syndrome' was reported for 19% of patients. Individual symptoms of fever, asthenia, ancrexia, headcache, cough, chiles, and myaliga were commonly reported. Fever and asthenia were also reported frequently as isolated symptoms. Insormia, frintis, sweeting, and malaise were reported infrequently. Less than 1% of patients discontinued due to thi-like symptoms.

Infection – Infections were reported for 16% of patients.
Sensis was rarely reported (<1%)

Alopecia – Hair loss, usually minimal, was reported by 15% of patients Neurotoxicity – There was a 10% incidence of mild pares-thesias and a <1% rate of severe paresthesias.

Extravasation – Injection-site related events were reported for 4% of patients. There were no reports of injection site necrosis. Gemoitabine is not a vesicant.

Allergic – Bronchospasm was reported for less than 2% of patients. Anaphylactoid reaction has been reported rarely. Gemolitabine should not be administered to patients with a known hypersensitivity to this drug [see Contraindications (4)]. snown inpersensivity to this crug (see Contratinaciacions (4)). Cardiovascular – During clinical trials, 2% of patients dis-continued therapy with gemotiabine due to cardiovascular existing such as mycoardial inflarction, cerebrovascular accident, arthythmia, and hypertension. Many of these patients had a prior history of cardiovascular disease (see Aldverse Reacolons (8.2)).

Adverse Resclorus (8.2).

Combination Liste Ninos-Small Cell Lung Cancer: In the generabilities plan capital in series circulation and complete in the generabilities of the combination of the combination

(20%) experienced 78 hospitalizations due to fossibly testiment related absence reactions are expected to extract the control of the control

less frequently required.

Table 5 presents he safety data from the gemclataine plus capital versus cisplain study in non-small cell lung capital versus cisplain study in non-small cell lung capital cells of the safety of the

plateit translusors on the genicitative plus circipation em-logical properties of the plus control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control o

plus ceptetin use.

Nausea and vomiling despite the use of antiemetics occurred more often with gemclatione plus ceptain control of the contr

Cardiac dysrhythmias of Grade 3 or greater were reported in 7 (3%) patients treated with gemoitabine plus cisplatin compared to one (<1%) Grade 3 dysrhythmia reported with cisplatin therapy. Hypomagnesemia and hypokalemia were associated with one Grade 4 arrhythmia on the gemoitabine plus cisplatin combination arm.

patients.

Pulmonary – In clinical trials, dyspines, unrelated to underlying disease, has been reported in association with genilation teleptory. Dyspines was occasionally accompanied with the use of genicalization feeting. The section of these effects is unknown. If such effect of supporting care measures may help ameliorate these conditions. Table 4: Selected WHO-Graded Adverse Reactions in Patients Receiving Single-Agent Gemcitabine
WHO Grades (% incidence)*

	All Patients ^b			Pancreatic Cancer Patients ^c			Discontinuations (%) ^d
	All Grades	Grade 3	Grade 4	All Grades	Grade 3	Grade 4	All Patients
Laboratory* Hematologic Anemia Leukopenia Neutropenia Thrombocytopenia	68 62 63 24	7 9 19	1 <1 6	73 64 61 36	8 8 17 7	2 1 7 <1	<1 <1 <1
Hepatic ALT AST Akaline Phosphatase Bilirubin	68 67 55 13	8 6 7 2	2 2 2 <1	72 78 77 26	10 12 16 6	1 5 4 2	<1
Renal Proteinuria Hematuria BUN Creatinine	45 35 16 8	<1 <1 0 <1	0 0 0	32 23 15 6	<1 0 0 0	0 0 0	<1
Non-laboratory¹ Nausea and Vomiting Fever Rash Dyspnea Diarnhea Hemornhage Infection Alopecia Stomatitis Sommolence Paresthesias	69 41 30 23 19 17 16 15 11 11	13 2 V 1 3 1 V 1 V 1 V 1 V 1	1 0 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0	71 38 28 10 30 4 10 16 10	10 2 7 0 3 2 2 0 7 1	20070770070	77770770770

reresuments

10 <1 0 10

Grade based on criteria from the World Health Organization (WHO).

N=899 to 974: all patients with laboratory or non-laboratory data.

N=890 to 980: all pancreatic cancer patients with laboratory or non-laboratory data.

N=979.

R=80: N=61 to 241: all pancreatic cancer patients with laboratory or non-laboratory data.

R=979.

Regardless of causality.

250°C acusality.

Judes non-laboratory data with incidence for all patients ≥ 10%. For approximately 60% of the patients, non-laboratory reactions were graded only if assessed to be possibly drug-related.

exposite plus designation are.

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Carr

Table 7 presents the safety data occurrences of ≥10% (all grades) from the gemoitabine plus paclitaxel versus paclitaxel study in breast cancer.

pacifissor fluury in breast cancer.

The following are the clinically relevant adverse reactions that occurred in >1% and <10% full grades) of patients on either arm. In parentheses are the incidences of Grade on the control of the

older, as Compared to patients younger than 65. Combination Lise in Oyagina Cancor: In the generalization plus carboplatin versus carb opla-in study, dose reductions occurred with 10.4% of gen-inal study, dose reductions occurred with 10.4% of gen-ties of the carboplatin occurred with 10.4% of gen-ties of the carboplatin occurred with 10.4% of gen-ties of the carboplatin occurred with 10.4% of generalization occurred or to Science on the carboplatin occurred or on the carboplatin occurred or on the carboplatin occurred or other occurred or

Table 8 presents the adverse reactions (all grades) occur-ring in ≥10% of patients in the ovarian cancer study.

ring in 2 LUs or panents in the ovarian cancer study. In addition to blood product translusions as listed in Table 8, myelosuppression was also managed with hematopoic cagents. These agents were administered more frequently with combination therapy than with monotherapy (granulocyte growth factors; 23.6% and 10.1%, respectively; erythropoietic agents; 7.3% and 3.9%, respectively; tiely, enfrinçante agente: 7.3 x and 3.6%, respectively). The following are the circlinal yelevant advanters residents, the following set the circlinal yelevant advanters residents, and the circlinaries of certain and the circlinaries of certain and a certain particular set of the product of platests on either arm in parentheses set of the circlinaries of certain and certain set of the circlinaries of certain and certain set of the circlinaries of certain and certain activation (a) versus 1.2%, objective (3.4% versus 2.5%), set of certain 2.2%, versus 2.5%, produce residents (1.4% versus 2.5%), set of certain 2.2% versus 2.5%, produced the certain activation of certain activation of certain activation of certain activation and certain activation and certain activation ac

orier, as compared to patients younger than 60.

2. Post-Marketing Experience

The following adverse reactions have been identified during post-approval use of generitabine. 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.

uner fequency or entablish a causal relationship to drug exposure.

A semination of the causal drug exposure in a semination of the causal convention to generalized exposure or potential causal connection to generalized exposure or potential causal connection to generalized exposure in a semination of the causal drug exposure in

hegationic drugs. Hegatic vero-occusive disease has plannager. Penerhymal toxicit, including intentials pneumosis, pulmonary fibrosis, pulmonary edoma, and present pres

Injury, Poisoning, and Procedural Complications -Radiation recall reactions have been reported [see Warnings and Precautions (5.8)].

DRUG INTERACTIONS DRUG INTERACTIONS
No specific drug interaction studies have been conducted. Information is available on the pharmacodynamics and pharmacokinetics of gemcitabine in combination with cisplatin, pacifitavel, or carboptatin [see Clinical Pharmacology (12.2 and 12.3)].

USE IN SPECIFIC POPULATIONS

8.1 Pregnancy
Pregnancy Category D. See 'Warnings and Precautions'
section Table 5: Selected CTC-Graded Adverse Reactions From Comparative Trial of Gemcitabine Plus Cisplatin Versus Single-Agent Cisplatin in NSCLC CTC Grades (% incidence)¹

	Gemcitabine plus Cisplatin ^b		Cisplatin ^c			
	All Grades	Grade 3	Grade 4	All Grades	Grade 3	Grade 4
.aboratory ^d Hematologic						
Anemia RRC Transfusion ^e	89 39	22	3	67 13	6	1
Leukopenia	39 82	35	11	25	2	- 1
Neutropenia	79	22	35	20	2 3	1
Thrombocytopenia	85	25	25	13 <1	3	- 1
Platelet Tránsfusions ^e Lymphocytes	21 75	25	18	<1 51	12	5
Hepatic	- 73	23	10	31	12	
Transaminase	22	2	1	10	1	0
Alkaline Phosphatase	19	1	0	13	0	0
Renal						
Proteinuria Hematuria	23 15	0	0	18 13	0	0
Creatinine	38	4	<1	31	2	<1
Other Laboratory						
Hyperglycemia	30	4	0	23	3	0
Hypomagnesemia Hypocalcemia	30 18	4 2	3 0	17 7	2	0 <1
fon-laboratory ²	10	-		-		
Nausea	93	25	2	87	20	<1
Vomiting	78	11	12	71	10	9
Alopecia	53	1.	0	33	0 3 6 0	0
Neuro Motor	35	12		15	3	0
Neuro Hearing Diamhea	25 24	6 2 1	0 2 0 2	21 13	6	0
Neuro Sensorv	23	4	2	18	1	l n
Infection	18	2	2	12		ľ
Fever	16	l ň	ń	5	ń	l ň
Neuro Cortical	16	3 0 3	1	9	1 1	ň
Neuro Mood	16	l i		10	l i	ñ
Local	15	0	0 0 0	6 7	0	ō
Neuro Headache	14	0	0	7	0	0
Stomatitis	14	1	0	5	0	0
Hemorrhage	14	1	0	4	0	0
Dyspnea	12	4	3	11	3	2
Hypotension	12	1	0	7	1	0
Rash	11	0	0	3	0	0
Grade based on Common	Toxicity Criteria (CTC	C). Table includes	data for adverse r	eactions with incide	ence ≥10% in eitf	ner arm.
N=217 to 253; all gemoital 8, and 15 and cisplatin at 1	one plus cisplatin p	atients with labora	tory or non-labor	atory data. Gemcit	abine at 1000 mg	g/m ⁺ on Days

In 2017 to 2014, all grain Laborite plack Sapidiary betters with Tablesoury or Increascusing base, certification as not on regime to New 2018 to 246, all 2018 to 201

	Gemcitabine Plus	Cisplatin Versus WHO Grades	Etoposide Plus (% incidence) ^a	Cisplatin in NSC	LC		
		Gemcitabine plus Cisplatin ^b			Etoposide plus Cisplatin ^c		
	All Grades	Grade 3	Grade 4	All Grades	Grade 3	Grade 4	
boratory ^d ematologic							
nemia	88	22	0	77	13	2	
BC Transfusions ^a	29		_	21			
eukopenia	86 88	26 36	3 28	87 87	36	7 56	
eutropenia	88 81	36 39	28 16		20 8	5 5	
hrombocytopenia latelet Transfusions*	81	39	16	45 8	8	5	
	3			0			
patic	_		_				
LT ST	6 3	0	0	12 11	0	0 0	
S I Ikaline Phosphatase	16	0	0	11	Ü	l i	
ilinihin	0	ň	ň	l ii	ő	l ň	
inal				_		_	
roteinuria	12	0	0	5	0	n	
ematuria	22	n n	ō	10	ō .	ñ	
UN	6	0	0	4	0	ō	
reatinine	2	ō	ō	2	ō	ō	
n-laboratory ^{f, g}							
usea and Vomiting	96	35	4	86	19	7	
ver	6	0	0	3	0	0	
ish	10	0	0	3 3	0	0	
rspnea	1	0	1	3	0	0	
arrhea	14	1	1	13	0	2	
morrhage	9 28	0	3	3 21	0 8	3	
ection	28	3	1		8	0	
opecia	77	13	0	92	51	0	
omatitis	20	4	0	18	2	0	
imnolence	3 38	0	0	3 16	51 2 2 2	0	
resthesias rade based on criteria l		. 0		16	2	0	

Grade based on ordered from the World Health Organization (WHC).

**Need To 68.8 glid expendition policy original profine with bisotropy or non-bisotropy data. Germitabre at 1550 mg/m² on Days 1

**Need To 68.3 glid register in the decoprate gateries with bisotropy or non-bisotropy data. Carpitalin at 100 mg/m² on Days 1

**Need To 68.3 glid register in the decoprate gateries with ideoratory or non-bisotrophy data. Carpitalin at 100 mg/m² on Days 1 and intermodate disposition at 100 mg/m² on Days 1, 2, and 3 overly 2 days.

**Proceed To plainters receiving translatures. Proceed translatures are not VMC-graded events.

**Proceed To plainters receiving translatures. Proceed translatures are not VMC-graded events.

**Proceed To plainters receiving translatures. Proceed translatures are not VMC-graded events.

**Proceed To plainters receiving translatures. Proceed translatures are not VMC-graded events.

▼ Pain data were not collected.
Table 7: Adverse Reactions From Comparative Trial of Gemcitabine Plus Paclitaxel Versus Single-Agent Paclitaxel in Breast Cancer CTC Grades (% incidence) All Grades

Leukopenia Jenatohiliary 18 <1 0 <1 0 Non-laboratory 19

Grade based on Common Toxicity Critéria (CTC) version ≥.0 (air grades ≥ 10.29).
 Régardless of causality.
 Non-laborationy events were graded only if assessed to be possibly drug-related

Non-laboratory events were graded only if assessed to be possibly drug-related.

Table 8: Adverse Reactions From Comparative Trial of Gemicitatine Plus Carlin Ovarian Cancer

To Grades (% included)

Gemicitatine plus Carboplatin (N=178)

All Grades Grade 3 Grade 4 42 22 48 30 Anemia Leukopenia Thrombocytopenia RBC Transfusionsi Platelet Transfusionsi Non-laboratory^b Nausea Alopecia Vomiting Constigation Fatigue Neuropathy-sensory Diarrhea Stomatitis/pharyngitis Anorexia

Regardless of causality
 Percent of patients receiving transfusions. Transfusions are not CTC-graded events. Blood transfusions included both packed red blood cells and whole blood.

doses of 0.1 mg/kg/day in rabbits (about 1/600 the recommended human dose on a rayller basid, Embryolacidly live (life size, and development obles). This dose is the size of the potential of the potential hazard for the table table gifts drug, the patient should be apprised of the potential hazard for the table size few intermediates of the size of the

to he mother.

Al Pediatric blue affectiveness of genricitairs in podiation products and productiveness of genricitairs in podiation products and productiveness of productiveness and p

An Gerland User a mailer before his des l'interest de la Gerland User de l'authorité product à la district User de l'authorité de l'authorité

profile or germanative pure active.

8. Renal
Hemolytic Uremic Syndrome (HUS) and/or renal failure
have been reported following one or more doses of germhave been reported following one or more doses of germsis, despite disconfination of therapy, has been reported.
The majority of the cases of renal failure leading to death
were due to HUS fee Adverse Reactions (6.1 and 6.2).

were use or FUS jeen naverse reacceans (c.1 and c.2)]. Gemoitabine should be used with caution in patients with preexisting renal impairment as there is insufficient information from clinical studies to allow clear dose rec-ommendation for these patient populations [see Warnings and Precautions (5.4)].

and Precautina (u.er). 8.7 Hepatic Serious hepatotoxicity, including liver failure and death, has been reported in patients receiving gernicibine alone or in combination with other potentially hepatotoxic drugs [see Adverse Reactions (6.1 and 6.2)].

or in combristion with other potentially fispeatorisc drugs [see Advante Reaction (st and 20 call and in patients with precediting head of call and in patients with preceding head of call and in patients with preceding head of call and in patients with control industrial head of call and a call a

ned cycle.

OVERDOSAGE

OVERDOSAGE

Myloosuppression, paresthesias, and severe rash were the principal tookies sen of the same state of the principal tookies sen when a single does as high as 5700 mg/m² was sufministered by intravenous influence of the same state of the same state

blood course and should receive supportive merapy, as necessary.

DESCRIPTION

Germcitabine for Injection is a nucleoside metabolic inhibitor that exhibits antifumor activity. Germcitabine is 2-'deoxy-2'-2'-diffuncyol/dine monohydrochloride (β-isomer). The structural formula is as follows:

C+H++E+N+O+ • HCI M W 299 66

Cahli-FixQu + HCI
Gemiclabine is a white to off-white solid. It is soluble
in water, slightly soluble in methanol, and practically
introduced in the solid in the soluble
in water, slightly soluble in methanol, and practically
introduced in rehands and polar organic solveness. In orm
for discission formulation is supplied in the time contain
0.00 mg, 1 go 2 grams of gemiclable HCI (expressed as feet basis) formulated with mannets (200 mg, 1 go or 6.00 mg, 1 go o

12 CLINICAL PHARMACOLOGY

12 CLINICAL PHARMACOLOGY (INCAL) PHARMACOLOGY (I incorporation of germidation by the control of the

cispistin produced the greatest interaction.

1.2. Pharmacokinetica
Absorption and Distribution germulation were examined in
305 patients, with various soft utnose. Pharmacokinetic
parameters were derived using data from patients treated
for varying daradious of thereign yet weedely with periodic
and long influsions (70 to 286 minutes). The total germclatative does varied from 500 to 5000 mg/m².

citabine dose varied from 500 to 3600 mg/m⁻. The volume of distribution was increased with infusion length. Volume of distribution of gemeitabine was 50 L/m² following infusions lasting <70 minutes. For long infusions, the volume of distribution rose to 370 L/m².

the volume of distribution rose to 370 L/m². Gemoitabine pharmacokinetics are linear and are described by a 2-compartment model. Population phar-macokinetic analyses of combined single and multiple dose studies showed that the volume of distribution of gemoitabine was significantly influenced by duration of influsion and gender. Gemoitabine plasma protein binding is negligible.

as inequative.

Metabolism
Metabo

The active metabolite, gemcitabine triphosphate, can be extracted from peripheral blood mononuclear cells. The half-life of the terminal phase for gemcitabine triphosphate from mononuclear cells ranges from 1.7 to 19.4 hours.

from monorundear cells ranges from 1.7 to 19.4 hours. Excretion Clearance of genotlabiline was affected by age and gender. The lower clearance in women and the elderly results in higher concentrations of genotlabiline for any given close. based on patient haracteristics or the fundation of initiation result in changes in half-life and pleama concentrations. Table 9 shows plasma clearance and half-life of gen-citatine following short influsions for typical patients by age and gender.

Table 9: Gemcitabine Clearance and Half-Life for the "Typical" Patient

Age	Men (L/hr/m²)	Women (L/hr/m²)	Men (min)	Women (min)
29	92.2	69.4	42	49
45	75.7	57	48	57
65	55.1	41.5	61	73
79	40.7	30.7	79	94

* Half-life for patients receiving a short infusion (<70 min).</p> Gemcitabine half-life for short infusion (<70 min).

Gemcitabine half-life for short infusions ranged from 42 to

94 minutes, and the value for long infusions varied from

245 to 638 minutes, depending on age and gender, reflecting a greatly increased volume of distribution with longer infusions.

ing digitals increased volume of distribution with rodge by the procession of the p

13 NONCLINICAL TOXICOLOGY
13.1 Carcinospensis, Multiagenesis, Impairment of Fertility
Long-term annual studies to evaluate the carcinogenic
conformation of the conformation of the carcinogenic
conformation (1) of the conformation of the conformation (1) of the

14 CLINICAL STUDIES

14 CLINICAL STUDIES.
14.1 Ovarian Cancer
14.1 Ovarian Cancer
15.2 Ovarian Cancer
16.3 Separates with advanced ovarian cancer that had been controlled to the control ovariant cancer that had been controlled to the controlled ovariant cancer that had been controlled to receive either generations on the controlled over the controlled ov

free survial (PS). Paleint characteristics are shown in Table 10. The addition of genicilatine to catelogistin resulted in statistically genicilatine to catelogistin resulted in statistically as a shown in Table 11 and Figure 1. Approximately 75% of patients in each arm received poststudy chemotherapy remotherapy regimen in the cathoplain arm received productions after progression. There was not a significant difference in overall survival between arms.

Table 10: Gemcitabine Plus Carboplatin Versus Carboplatin in Ovarian Cancer – Baseline

	Gemcitabine/ Carboplatin	Carboplati
Number of randomized patients	178	178
Median age, years Range	59 36 to 78	58 21 to 81
Baseline ECOG performance status 0-1 ^a	94%	95%
Disease Status Evaluable Bidimensionally measurable	7.9% 91.6%	2.8% 95.5%
Platinum-free interval ^b 6 to 12 months >12 months	39.9% 59%	39.9% 59.6%
First-line therapy Platinum-taxane combination Platinum-non-taxane combination Platinum monotherapy	70.2% 28.7% 1.1%	71.3% 27.5% 1.1%

4 on the carboplatin arm) did not have baseline Eastern Cooperative Oncology Group (ECOG) performance status recorded.

Three patients (2 on the genitabline plus carboplatin arm and 1 on the carboplatin arm) had a platinum-free interval of less than 6 months.

Table 11: Gemcitabine Plus Carboplatin Versus Carboplatin in Ovarian Cancer – Results of

Efficacy Analysis						
	Gemoltabine/ Carboplatin (N = 178)	Carboplatin (N=178)				
PFS Median (95%, C.I.) months	8.6 (8, 9.7)	5.8 (5.2, 7.1)	p=0.003i			
Hazard Ratio (95%, C.1.)	0.72 (0	.57, 0.9)				
Overall Survival Median (95%, C.I.) months		17.3 (15.2, 19.3)	p=0.897			
Hazard Ratio (95%, C.I.)	0.98 (0.78, 1.24)					
Adjusted ^a Hazard Ratio (95%, C.I.)	0.86 (0	67, 1.1)				
Investigator Reviewed Overall Response Rate CR PR + PRIMIP	47.2% 14.6% 32.6%	30.9% 6.2% 24.7%	p=0.001			
Independently Reviewed Overall Response Rate ^{c,1} CR PR + PRMM	45.3% 9.1% 37.2%	35.6% 4% 31.7%	p=0.11			
* Treatment adjuste	d for perform	ance status 1	umor an			

* Treatment adjusted for performance status, tumor area, and platinum-free interval.

Partial response non-measurable disease independent relevieurs could not evaluate disease demonstrated by sonography or physical exam. Constitution of the production of the produ

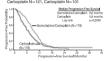


Figure 1: Kaplan-Meier Curve of Progression Free Survival in Gemcitabine Plus Carboplatin Versus Carboplatin in Ovarian Cancer (N=356) 14.2 Breast Cancer Data from a multi-national, randomized Phase 3 study

Data from a malfi-national, randomized Phase 3 study of 200 patients jusquot to use of generication in combina-do 200 patients jusquot to use of generication in combina-sional patients of the patients of

Table 12: Gemcitabine Plus Paclitaxel Versus Paclitaxel in Breast Cancer Gemcitable Paclitaxel Paclitaxel

Number of patients	267	262	
Median age, years	53	52	
Range	26 to 83	261o75	
Metastatic disease	97%	96.9%	
Baseline KPS ^a ≥90	70.4%	74.4%	
Number of tumor sites			
1 to 2 ≥3	56.6% 43.4%	58.8% 41.2%	
Visceral disease	73.4%	72.9%	
Prior anthracycline	96.6%	95.8%	
Overall Sunival ^b			
Median (95%, C.I.)	18.6 (16.5, 20.7)	15.8 (14.1, 17.3)	
Hazard Ratio (95%, C.I.)	0.86 (0.	71, 1.04)	
Time to Documented Disease Progressions			
Median (95%, C.I.),	5.2 (4.2, 5.6)	29 (26, 3.7)	p<0.0001
months Hazard Ratin			
(95%, C.I.)	0.65 (0.5)	24, 0.805)	p<0.0001
Overall Response Rate ⁶ (95%, C.I.)	40.8% (34.9, 46.7)	22 15, (17 1 27 2)	0<0.0001

Ramoissy Performance Status.
 Based on the ITT population
 These represent reconciliation of investigator and Independent Review Committee assessments according to a predefined algorithm.



Figure 2: Kaplan-Meier Curve of Time to Documented Disease Progression in Gemcitabine Plus Paclitaxel Versus Paclitaxel Breast Cancer Study (N=529)

14.3 Non-Small Cell Lung Cancer (NSCLC) Data from 2 randomized clinical studies (657 patients) sup-port the use of genotiabhie in combination with cisplatin for the first-line freatment of patients with locally advanced or metastatic NSCLC.

Gemolabine nås ociaplatin versus cispalatin. This study was conducted in Europe, the flux and of NSSCI one planet necessaries of the conducted in Europe, the flux and of NSSCI one planet necessived prior chemolerapy. Gemolabine 1000 might? was administered on Days 1, 8, and 15 of 8.26 day cycle cycle. Single-agent cipalatin 100 might? was administered on Days 1, 8 and 15 of 8.26 day cycle. Single-agent cipalatin 100 might was administered on Days 1,01 each 326 day cycle. The primary endpoint was instance with regard to installogy was observed with 45% of patients on the cipalatin arm and 37% of patients on the gemolabine plus ocigolatin arm having adenocarcinoma.

gen Localization plus objectives unit internity abenductivities. The Kaplan-Hales esturived curve is boron in Figure 3. Mediain survival time on the genoclabine plus objekting mar was 9 months conflex on the single-signet rocipation arm (Log and p-o 1000, two-sided). Mediain plus origination are compared to 7.0 Mediain plus origination arm compared to 3.7 months on the catables plus origination arm compared to 3.7 months on the catables are the compared to 1000, two-sided). The objectives was 600 months of the catable plus of the compared to 100 months of the compared to 100 months of the catable plus of the catable p

Gemcitabine plus cisplatin versus etoposide plus cisplatin: A second, multicenter, study in Stage IIIB or IV NSCLC anadomized 135 patients to gemcitabine 1250 mg/m² on Days 1 and 8, and cisplatin 100 mg/m² on Days 1 and 8, 250 mg/m² on Days 1 and 8, 250 mg/m² on Days 1 and 1, 250 mg/m² on Days 1 and 1, 250 mg/m² on Days 1, 2, and 3 and cisplatin 100 mg/m² on Days 1, 2, and 3 and cisplatin 100 mg/m² on Day 1 of a 21-day cycle (Table 13).

There was no significant difference in survival between the two treatment arms (Log rank p=0.18, two-sided). The median survival was 87 months for the generabine plus displain arm vesus 7 months for the etipocale plus against a month of the etipocale plus against a month of the etipocale plus or permitten by the plus of the etipocale plus or permitten by the plus of the etipocale plus or permitten or plus or permitten or permitten or plus or permitten or plus or permitten or permit

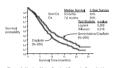


Figure 3: Kaplan-Meier Survival Curve in Gemcitabine Plus Cisplatin Versus Cisplatin NSCLC Study (N=522)

14.4 Pancrealic Cancer
Data from 2 clinical trials evaluated the use of genclasive in patients with foodly advanced or metaltation
for 5-burcoursel (5-FU) in patients with body attended for pion clinical from the patients with ball received
no pion clinical from the patients with ball received
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to pion clinical from the patients with ball received
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trial received at a dose of 1000 region from 90 minutes
once weekly for up to 7 weekls for until ball patients
with gendiblates. Subsequent of your consisted of injections once weekly for 3 consecutive weeks out of every 4
weeks.

The primary efficacy parameter in these studies was 'clinical benefit response," which is a measure of clinical improvement based on analgate consumption, pain inten-sity, performance status, and weight change. Definitions for improvement in these variables were formulated pro-spectively during the design of the 2 trials. A patient was considered a clinical benefit responder if either.

considered a clinical benefit responder if either.

If the patient showed a 5.0% rection in pain intensity (Memorial Pain Assessment Card) or analgesic consumption, or a 20-point or greater improvement in performance status (Mandsky Performance Status) have present the performance status (Mandsky Performance Status) and the performance status (Mandsky Performance Status) showing any sustained vorsening in any of the other parameters. Sustained worsening has defined as 4 converse of the status of the s

ii) the patient was stable on all of the aforementioned parameters, and showed a marked, sustained weight gain (≥7% increase maintained for ≥ 4 weeks) not due to fluid accumulation.

The first study was a multicenter (17 sites in US and Casuda), prospective, single-binded, threami, random-with locally advanced or metastatic panersatic cancer with last received no prot installed with desmoked profession of the control of the c

Table 13: Randomized Trials of Combination Therapy with Gemcitabine Plus Cisplatin in NSCLC

Trial	28-d	ay Schedule	şa .		21-day Schedule ^b	
Treatment Arm	Gemcitabine/ Cisplatin	Cisplatin		Gemcitabine/ Cisplatin	Cisplatin/ Etoposide	
Number of patients Male Female	260 182 78	262 186 76		69 64 5	66 61 5	
Median age, years Range	62 36 to 88	63 35 to 79		58 33 to 76	60 35 to 75	
Stage IIIA Stage IIIB Stage IV	7% 26% 67%	7% 23% 70%		N/A ^c 48% 52%	N/A ^c 52% 49%	
Baseline KPS ^d 70 to 80 Baseline KPS ^d 90 to 100	41% 57%	44% 55%		45% 55%	52% 49%	
Survival Median, months (95%, C.I.) months	9 8.2, 11	7.6 6.6, 8.8	p=0.008	8.7 7.8, 10.1	7 6, 9.7	p=0.18
Time to Disease Progression Median, months (95%, C.I.) months	5.2 4.2, 5.7	3.7 3, 4.3	p=0.009	5 4.2, 6.4	4.1 2.4, 4.5	p=0.015

gibts, C.J.) morthe 4.2, 5.7 3, 4.3 1 (10 mg/m² c) 4.2, 6.4 2, 4.4 5 [2.4, 4.5] Turnor Response 20% 10% [2.6] morther 10.2 mg/m² c) 10% [2.6] mg/m

Table 14: Gemcitabine Versus 5-FU in Pancreatic Cancer

	Gemcitabine	5-FU	
Number of patients Male Female	63 34 29	63 34 29	
Median age Range	62 years 37 to 79	61 years 36 to 77	
Stage IV disease	71.4%	76.2%	
Baseline KPS ^a ≤70	69.8%	68.3%	
Clinical benefit response	22.2% (N=14)	4.8% (N°=3)	p=0.004*
Survival Median 6-month probability	5.7 months (N=30) 46%	4.2 months (N=19) 29%	p=0.0009
9-month probability ^b 1-year	(N=14) 24%	(N=4) 5%	
probability ^b Range 95% C.I. of the median	(N=9) 18% 0.2 to 18.6 months 4.7 to 6.9 months	(N=2) 2% 0.4 to 15.1+4 months 3.1 to 5.1 months	
Time to Disease Progression			p=0.0013
Median Range 95% C L of	2.1 months 0.1+4 to 9.4 months	0.9 months 0.1 to 12+4 months	
the median	1.9 to 3.4 months	0.9 to 1.1 months	

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The p-value for clinical benefit response was calculated aling the two-sided test for difference in binomial proportions. All other p-values were calculated using the Log rank test for difference in overall time to an event.

stors. All other products between standards careful net co-location benefit responses was achieved by 4 patients to Clinical benefit responses was achieved by 4 patients to tested with generablene and patients freeded with 5-HL orders and the con-ment in all primary parameters pain interval, analyses consumption, and performance status, Eleven patients of the control of the co

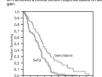


Figure 4: Kaplan-Meier Survival Curve

Brould Time promity

Figure 4: Explain Meeter Brunval Curve

The second trial was a mullicensier (17 US and Chandian

for the second trial was a mullicensier (17 US and Chandian

with advanced plannessed campe presidualy stated with

8-FU or a 8-FU-containing regimen. The study around a

of 3 amonths

14.0 Other Chiecial Studies

15.0 Other Chiecial Studies

16.0 Other Chiecial

16.0 Other Chie

American Society of Health-System Pharmacists. ASHP Guidelines on Handling Hazardous Drugs: Am J Health-Syst Pharm. 2006;63:1172-1183.

4. Polovich, M., White, J. M., & Kelleher, L. O. (eds.) 2005

16 HOW SUPPLIED/STORAGE AND HANDLING

Product No.	NDC No.	Strength	
101210	63323-102-10	200 mg/vial	10 mL single use vial packag individually
102550	63323-125-50	1 gram/vial	50 mL single use vial packag individually
102600	63323-126-00	2 gram/vial	100 mL single use vial packag

16.2 Storage and Handling Unopened visits of gemotabine are stable until the expira-tion date indicated on the package when stored at con-trolled room temperature 20* to 25°C (68* to 77°F) and that allows for excursions between 15° and 20°C (69° and 86°F) [see USP Controlled Room Temperature] [see Dosage and Administration (2.5 and 2.6)].

17.1 Low Blood Cell Counts
Patients should be adequately informed of the risk of low
blood cell counts and instructed to immediately contact
their physician should any sign of infection develop including fever. Patients should also contact their physician if
bleeding or symptoms of anemia occur [see Warnings and
Precautions (5.2)].

17.2 Pregnancy
There are no adequate and well-controlled studies of
There are no adequate mell-more and the studies of
There are no adequate women. Based on animal studies
gendlatine can cause feet harm when administered to a
pregnant women. If this drujs is used during pregnancy, or
if the gallest the corner pregnant while taking the drug, the
face Warnings and Procusions (6.6) and Use in Specific
Populations (8.1).

Populations (8.1).

13 Nursing Mothers
It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk and because of the potential for serious adverse reactions made whether to discontinue runsing or to discontinue the drug, taking into account the importance of the drug to the mother (see the in Specific Populations (8.3)).

