SUSPENSION (ALBUMIN-BOUND) safely and effectively. See full prescribing information for PACLITAXEL PROTEIN-BOUND PARTICLES FOR INJECTABLE SUSPENSION (ALBUMIN-BOUND). PACLITAXEL PROTEIN-BOUND PARTICLES FOR INJECTABLE

SPENSION (ALBUMIN-BOUND), for intravenous use Initial U.S. Approval: 2005 WARNING: SEVERE MYELOSUPPRESSION

- See full prescribing information for complete boxed warning. Do not administer Paclitaxel Protein-Bound Particles 1 Injectable Suspension (Albumin-Bound) therapy to patients with baseline neutrophil counts of less than 1.500 cells/mm³. (4) Monitor for neutropenia, which may be severe and result in
- infection or sepsis. (5.1, 5.3) Perform frequent complete blood cell counts on all patients receiving Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound). (5.1, 5.3)

--- INDICATIONS AND USAGE ---

- Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) is a microtubule inhibitor indicated for the treatment of: Metastatic breast cancer, after failure of combination chemotherap for metastatic disease or relapse within 6 months of adjuvant hemotherapy. Prior therapy should have included an anthracycline
- unless clinically contraindicated. (1.1) Locally advanced or metastatic non-small cell lung cancer (NSCLC), as first-line treatment in combination with carboplatin, in patients vho are not candidates for curative surgery or radiation therapy. (1.2)
- Metastatic adenocarcinoma of the pancreas as first-line treatment, in combination with gemcitabine. (1.3)
- -- DOSAGE AND ADMINISTRATION - Do not substitute Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) for other non-protein-bound aclitaxel products. (2.1)
- Extravasation: Closely monitor the infusion site for extravasation and Metastatic Breast Cancer (MBC): Recommended dosage of Paclitaxel
- Protein-Bound Particles for Injectable Suspension (Albumin-Bound) is 260 mg/m² intravenously over 30 minutes every 3 weeks. (2.2) Non-Small Cell Lung Cancer (NSCLC): Recommended dosage of Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) is 100 mg/m² intravenously over 30 minutes on Days 1, 8, and 15 of each 21-day cycle; administer carboplatin on Day of each 21-day cycle immediately after Paclitaxel Protein-Bound
- articles for Injectable Suspension (Albumin-Bound). (2.2) Adenocarcinoma of the Pancreas: Recommended dosage of Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) is 125 mg/m² intravenously over 30-40 minutes on Days 1, 8 and 15 of each 28-day cycle; administer gemcitabine on Days 1, 8 and at 1-888-532-7998 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch. 15 of each 28-day cycle immediately after Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound). (2.4)
- <u>Use in Patients with Hepatic Impairment</u>: Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) is not ecommended for use in patients with AST greater than 10 x the upper imit of normal (ULN); or bilirubin greater than 5 x ULN or patients with metastatic adenocarcinoma of the nancreas who have moderate to severe hepatic impairment. For MBC or NSCLC, reduce starting dose in See 17 for PATIENT COUNSELING INFORMATION and patients with moderate to severe hepatic impairment. (2.5)

Recommended Dosage for Metastatic Breast Cancer

Dosage Modifications for Hepatic Impairment

Dosage Modifications for Adverse Reactions

Preparation for Intravenous Administration

Use in Patients with Hepatic Impairment

Recommended Dosage for Non-Small Cell Lung Cance

FULL PRESCRIBING INFORMATION: CONTENTS* WARNING: SEVERE MYELOSUPPRESSION

Metastatic Breast Cancer

2 DOSAGE AND ADMINISTRATION

B DOSAGE FORMS AND STRENGTHS

Severe Myelosuppression

Severe Hypersensitivity

WARNINGS AND PRECAUTIONS

Severe Neuropathy

Pneumonitis

Albumin (Human)

5.8 Embryo-Fetal Toxicity

FULL PRESCRIBING INFORMATION

Non-Small Cell Lung Cancer

INDICATIONS AND USAGE

484689

(bnuod-nimudIA)

Paclitaxel

tor Injectable Suspension

Paclitaxel

Protein-Bound Particles

(Albumin-Bound)

for Injectable Suspension

Protein-Bound Particles

Dose Reductions for Adverse Reactions: Dose reductions or 2.3 Recommended Dosage for Non-Small Cell Lung Cancer cutaneous, or gastrointestinal toxicities. (2.6)

lyophilized powder, and preparation and administration of the injection. Administer carboplatin on Day 1 of each 21-day cycle immediately after ------ DOSAGE FORMS AND STRENGTHS -------- Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin For injectable suspension: white to yellow, sterile, lyophilized powder Bound) [see Clinical Studies (14.2)].

single-dose vial for reconstitution. (3) ----- CONTRAINDICATIONS Neutrophil counts of < 1,500 cells/mm³. (4)

Severe hypersensitivity reactions to Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound). (4) ----- WARNINGS AND PRECAUTIONS

Sensory neuropathy occurs frequently and may require dose reduction

2.5 Dosage Modifications for Hepatic Impairment

received protein bound paclitaxel in combination with gemcitabine; interrupt Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) as shown in Table 1. (Albumin-Bound) and gemcitabine until sepsis resolves, and if neutropenia, until neutrophils are at least 1500 cells/mm³, then resume

Table 1: Recommendations for Starting Dose in Patients with Moderate and Severe Hepatic Impairment treatment at reduced dose levels. (5.3)

Pneumonitis occurred with the use of protein bound paclitaxel in combination with gemcitabine; permanently discontinue treatment with Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and gemcitabine. (5.4)

ere hypersensitivity reactions with fatal outcome have been reported.

Do not rechallenge with this drug. (4,5.5) Exposure and toxicity of paclitaxel can be increased in patients with hepatic impairment, consider dose reduction and closely monitor patients with hepatic impairment. (2.5, 5.6) Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-

Bound) contains albumin derived from human blood, which has a theoretical risk of viral transmission. (5.7) Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-

Bound) can cause fetal harm. Advise patients of potential risk to a fetus and to use effective contraception. (5.8, 8.1, 8.3) --- ADVERSE REACTIONS ---The most common adverse reactions (≥ 20%) in metastatic breast

fatigue/asthenia, myalgia/arthralgia, AST elevation, alkaline phosphatase elevation, anemia, nausea, infections, and diarrhea. (6.1) The most common adverse reactions (≥ 20%) in NSĆLC are anemia, 2.6 Dosage Modifications for Adverse Reactions neutropenia, thrombocytopenia, alopecia, peripheral neuropathy, nausea, Metastatic Breast Cancer

cancer are alopecia, neutropenia, sensory neuropathy, abnormal ECG,

The most common ($\geq 20\%$) adverse reactions of protein bound paclitaxe in adenocarcinoma of the pancreas are neutropenia, fatigue, peripheral neuropathy, nausea, alopecia, peripheral edema, diarrhea, pyrexia, vomiting, decreased appetite, rash, and dehydration. (6.1)

Use caution when concomitantly administering Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) with inhibitors or Particles for Injectable Suspension (Albumin-Bound) with inhibitors or Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) [see Contraindications] inducers of either CYP2C8 or CYP3A4. (7)

--- USE IN SPECIFIC POPULATIONS <u>Lactation</u>: Advise not to breastfeed. (8.2)

FDA-approved patient labeling Revised: 07/2022

6 ADVERSE REACTIONS

- Clinical Trials Experience Postmarketing Experience 7 DRUG INTERACTIONS 8 USE IN SPECIFIC POPULATIONS
- Lactation Females and Males of Reproductive Potential Pediatric Use
- Geriatric Use Recommended Dosage for Adenocarcinoma of the Pancreas 8.6 Renal Impairment Hepatic Impairment 10 OVERDOSAGE
 - 11 DESCRIPTION 12 CLINICAL PHARMACOLOGY 12.1 Mechanism of Action
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 - 14 CLINICAL STUDIES 14.1 Metastatic Breast Cancer 14.2 Non-Small Cell Lung Cance
 - 14.3 Adenocarcinoma of the Pancreas 15 REFERENCES 16 HOW SUPPLIED/STORAGE AND HANDLING
 - 17 PATIENT COUNSELING INFORMATION

*Sections or subsections omitted from the full prescribing information are

Do not administer Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) therapy to patients who have baseline neutrophil counts of less than 1.500 cells/mm³ [see

Paclitaxel Protein-Bound Particles for Injectable Suspe

Monitor for neutropenia, which may be severe and result in infection or sepsis [see Warnings and Precautions (5.1, 5.3)]. Perform frequent complete blood cell counts on all patients receiving Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) [see Contraindications (4), Warnings and Precautions (5.1, 5.3)].

1 INDICATIONS AND USAGE

1.1 Metastatic Breast Cancer Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-

Bound) is indicated for the treatment of breast cancer after failure of hypersensitivity reaction to Paclitaxel Protein-Bound Particles for Injectable combination chemotherapy for metastatic disease or relapse within 6 Suspension (Albumin-Bound) [see Contraindications (4) and Warnings and nonths of adjuvant chemotherapy. Prior therapy should have included Precautions (5.5)].

1.2 Non-Small Cell Lung Cancer

Bound) is indicated for the first-line treatment of locally advanced or regimen for Paclitaxel Protein-Bound Particles for Injectable Suspension metastatic non-small cell lung cancer, in combination with carboplatin, in (Albumin-Bound) is 260 mg/m² administered intravenously over 30 minutes patients who are not candidates for curative surgery or radiation therapy. every 3 weeks

adenocarcinoma of the pancreas, in combination with gemcitabine.

Important Administration Instructions

paclitaxel products.

administration. Limiting the infusion of Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) to 30 minutes may reduce the risk of nfusion-related reactions [see Adverse Reactions (6.2)]. Consider premedication in patients who have had prior hypersensitivity

reactions to Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound). Do not re-challenge patients who experience a seven

2.2 Recommender After failure of combination chemotherapy for metastatic breast cancer Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin- or relapse within 6 months of adjuvant chemotherapy, the recommended

1.3 Adenocarcinoma of the Pancreas Paclitaxel Protein-Bound Particles for Injectable Suspension (Alhumin Bound) is indicated for the first-line treatment of patients with metastatic

DOSAGE AND ADMINISTRATION

DO NOT SUBSTITUTE FOR OR WITH OTHER PACLITAXEL FORMULATIONS. clitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) has different dosage and administration instructions from other

Closely monitor the infusion site for extravasation or drug infiltration during

evere hematologic, neurologic, The recommended dose of Paclitaxel Protein-Bound Particles for Injectable Suspension (Alhumin-Round) is 100 mg/m² administered as an intravenous ribing Information for instructions on reconstitution of infusion over 30 minutes on Days 1, 8, and 15 of each 21-day cycle.

Intaining 100 mg of paclitaxel formulated as albumin-bound particles in 2.4 Recommended Dosage for Adenocarcinoma of the Pancreas

The recommended dose of Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) is 125 mg/m² administered as an intravenous nfusion over 30-40 minutes on Days 1, 8 and 15 of each 28-day cycle. Administer gemcitabine immediately after Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) on Days 1, 8 and 15 of each 28day cycle [see Clinical Studies (14.3)]

Sepsis occurred in patients with or without neutropenia who For patients with moderate or severe hepatic impairment, reduce the

	AST Levels		Bilirubin Levels		ein-Bound Partic ion (Albumin-Bo	les for Injectable und) Dose ^a
				MBC	NSCLC °	Adenocarcinoma of Pancreas
Moderate	< 10 x ULN	AND	> 1.5 to ≤ 3 x ULN	200 mg/m ^{2 b}	80 mg/m ^{2 b}	not recommended
Severe	< 10 x ULN	AND	> 3 to ≤ 5 x ULN	200 mg/m ^{2 b}	80 mg/m ^{2 b}	not recommended
	> 10 x ULN	OR	> 5 x ULN	not recommended	not recommended	not recommended

^a Dosage recommendations are for the first course of therapy. The need for further dose adjustments in subsequent courses should be based on individual tolerance. ^b A dose increase to 260 mg/m² for patients with metastatic breast cancer or 100 mg/m² for patients with non-small cell lung cancer in subsequent courses should be considered if the patient tolerates the reduced dose for two cycles. Patients with bilirubin levels above the upper limit of normal were excluded from clinical trials for pancreatic or lung cancer.

(4), Warnings and Precautions (5.1, 5.2) and Adverse Reactions (6.1)]. Non-Small Cell Lung Cancer

Do not administer Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) on Day 1 of a cycle until absolute neutrophil count (ANC) is at least 1500 cells/mm³ and platelet count is at least 100,000 cells/mm³ [see Contraindications (4), Warnings and Precautions (5.1) and Adverse Reactions (6.1)].

In patients who develop severe neutropenia or thrombocytopenia withhold treatment until counts recover to an absolute neutrophil count of at least 1500 cells/mm3 and platelet count of at least 100,000 cells/mm3 on Day 1 or to an absolute neutrophil count of at least 500 cells/mm3 and platelet count of at least 50,000 cells/mm3 on Days 8 or 15 of the cycle. Upon resumption of dosing, permanently reduce Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and carboplatin doses as outlined in Table 2. Withhold Paclitaxel Protein-Bound Particles for Injectable Suspension

(Albumin-Bound) for Grade 3-4 peripheral neuropathy. Resume Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and carboplatin at reduced doses (see Table 2) when peripheral neuropathy improves to Grade 1 or completely resolves *[see Warnings*] and Precautions (5.2) and Adverse Reactions (6.1)].

Table 2: Permanent Dose Reductions for Hematologic and Neurologic **Adverse Reactions in NSCLC**

Adverse Reaction	Occurrence	Protein-Bound Particles for Injectable Suspension (Albumin- Bound) Dose (mg/m²)	Every 3-Week Carboplatin Dose (AUC mg•min/mL)		
Neutropenic Fever (ANC less than 500/mm³ with	First	75	4.5		
fever >38°C) OR Delay of next cycle by	Second	50	3		
more than 7 days for ANC less than 1500/mm³ OR ANC less than 500/mm³ for more than 7 days	Third	Discontinue Treatment			
Platelet count less than	First	75	4.5		
50,000/mm ³	Second	Discontinue 1	Discontinue Treatment		
_	First	75	4.5		
Severe sensory Neuropathy – Grade 3 or 4	Second	50	3		
diddo o oi i	Third	Discontinue 1	reatment		

<u>Adenocarcinoma of the Pancreas</u> Dose level reductions for patients with adenocarcinoma of the pancreas, as referenced in Tables 4 and 5, are provided in Table 3.

Table 3: Dose Level Reductions for Patients with Adenocarcinoma of the Pancreas 4 8 1

Dose Level	for Injectable Suspension (Albumin-Bound) (mg/m²)	Gemcitabine (mg/m²
Full dose	125	1,000
1st dose reduction	100	800
2 nd dose reduction	75	600
If additional dose reduction required	Discontinue	Discontinue
	e modifications for neutropenia a	

for patients with adenocarcinoma of the pancreas are provided in Table 4. refrigerated at 2°C to 8°C (36°F to 46°F) for a maximum of 24 hours if the starting dose for patients with moderate or severe hepatic impairment necessary. If not used immediately, each vial of reconstituted suspension [see Dosage and Administration (2.5), Use in Specific Populations (8.7 should be replaced in the original carton to protect it from bright light. Clinical Pharmacology (12.3)]. Discard any unused portion.

Table 4: Dose Recommendation and Modifications for Neutropenia and/ Stability of Reconstituted Suspension in the Infusion Bag with Adenocarcinoma of the Pancreas

WARNINGS AND PRECAUTIONS

of less than 1,500 cells/mm³ [see Contraindications (4)].

of patients with pancreatic cancer

[see Dosage and Administration (2.6)].

5.2 Severe Neuropathy

Dosage and Administration (2.6)1.

5.3 Sepsis

dose reduction if recommended [see Dosage and Administration (2.6)].

injectable suspension, for intravenous use; white to vellow, sterile

philized powder containing 100 mg of paclitaxel formulated as

				Paclitaxel Protein-Bound	to 46°F) and protected from bright light for a maximum of 24 hours.
Cycle Day	ANC (cells/ mm³)		Platelet count (cells/mm³)	Particles for Injectable Suspension (Albumin-Bound) / Gemcitabine	The total combined refrigerated storage time of reconstituted Paclit Protein-Bound Particles for Injectable Suspension (Albumin-Bound) in
Day 1	< 1,500	OR	< 100,000	Delay doses until recovery	vial and in the infusion bag is 24 hours. This may be followed by storag the infusion bag at ambient temperature (approximately 25°C) and light
Day 8	500 to < 1,000	0R	50,000 to < 75,000	Reduce 1 dose level	conditions for a maximum of 4 hours.
	< 500	0R	< 50,000	Withhold doses	Discard any unused portion.
Day 15	If Day 8 doses w	ere re	duced or given witho	ut modification:	3 DOSAGE FORMS AND STRENGTHS
	500 to < 1,000	0R	50,000 to < 75,000	Reduce 1 dose level from Day 8	For injectable suspension, for intravenous use: white to yellow, ste
	< 500	0R	< 50,000	Withhold doses	lyophilized powder containing 100 mg of paclitaxel formulated albumin-bound particles in single-dose vial for reconstitution.
Day 15	: If Day 8 doses w	vere w	ithheld:		4 CONTRAINDICATIONS
	≥ 1,000	0R	≥ 75,000	Reduce 1 dose level from Day 1	Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bou
	500 to < 1,000	0R	50,000 to < 75,000	Reduce 2 dose levels from Day 1	is contraindicated in patients with: Baseline neutrophil counts of < 1,500 cells/mm³ [see Warnings]
	< 500	OR	< 50,000	Withhold doses	 Precautions (5.1)] A history of severe hypersensitivity reactions to Paclitaxel Protein-Bo
ANC = Al	bsolute Neutrophi	l Coun	t		Particles for Injectable Suspension (Albumin-Bound) [see Warnings
Recomi	mended dose r	nodif	ications for other a	dverse reactions in patients	Precautions (5.5)]
with ad	enocarcinoma (of the	pancreas are provi	ded in Table 5.	E WARNINGS AND DESCRIPTIONS

Table 5: Dose Modifications for Other Adverse Reactions in Patients with 5.1 Adenocarcinoma of the Pancreas

Adverse Reaction	Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound)	Gemcitabine
Febrile Neutropenia: Grade 3 or 4	Withhold until fever resolves an next lower do	
Peripheral Neuropathy: Grade 3 or 4	Withhold until improves to ≤ Grade 1; resume at next lower dose level	No dose reduction
Cutaneous Toxicity: Grade 2 or 3	Reduce to next lower dose leve toxicity pe	
Gastrointestinal Toxicity: Grade 3 mucositis or diarrhea	Withhold until improves to ≤ lower dose	

Patients who experience severe neutropenia (neutrophils less than 500 cells/mm³ Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin- subsequent courses in patients with either MBC or NSCLC. Protein-Bound Partičles for Injectable Suspension (Albumin-Bound) therapy procedures. The use of gloves is recommended. If Paclitaxel Protein-Bound should have dosage reduced to 220 mg/m² for subsequent courses of Particles for Injectable Suspension (Albumin-Bound) (Ivophilized cake or Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-reconstituted suspension) contacts the skin, wash the skin immediately and To report SUSPECTED ADVERSE REACTIONS, contact American Regent, Inc. Bound). For recurrence of severe neutropenia or severe sensory neuropathy, thoroughly with soap and water. Following topical exposure to paclitaxel, additional dose reduction should be made to 180 mg/m². For Grade 3 events may include tingling, burning and redness. If Paclitaxel Protein-Bound ensory neuropathy hold treatment until resolution to Grade 1 or 2, followed Particles for Injectable Suspension (Albumin-Bound) contacts mucous is supplied as a sterile lyophilized powder for reconstitution before use.

Read the entire preparation instructions prior to reconstitution Aseptically, reconstitute each vial by injecting 20 mL of 0.9% Sodium

Chloride Injection, USP Slowly inject the 20 mL of 0.9% Sodium Chloride Injection, USP, over a minimum of 1 minute, using the sterile syringe to direct the solution flow onto the INSIDE WALL OF THE VIAL.



DO NOT INJECT the 0.9% Sodium Chloride Injection, USP, directly onto the lyophilized cake as this will result in foaming. Once the injection is complete, allow the vial to sit for a minimum of minutes to ensure proper wetting of the lyophilized cake/powder.

Gently swirl and/or invert the vial slowly for at least 2 minutes until complete lissolution of any cake/powder occurs. Avoid generation of foam. . If foaming or clumping occurs, stand solution for at least 15 minutes until foam subsides.

Each mL of the reconstituted formulation will contain 5 mg/mL paclitaxel. The reconstituted suspension should be milky and homogenous without gemcitabine until fever resolves and ANC ≥ 1500, then resume treatment at visible particulates. If particulates or settling are visible, the vial should be reduced dose levels [see Dosage and Administration (2.6)]. gently inverted again to ensure complete resuspension prior to use. Discard

5.4 Pneumonitis the reconstituted suspension if precipitates are observed. Discard any Pneumonitis, including some cases that were fatal, occurred in 4% of unused portion.

Calculate the exact total dosing volume of 5 mg/mL suspension required

Monitor patients for signs and symptoms of pneumonitis and interrup for the patient and slowly withdraw the dosing volume of the reconstituted Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound suspension from the vial(s) into a syringe: Dosing volume (mL)=Total dose and gemcitabine during evaluation of suspected pneumonitis. After ruling out (mg)/5 (mg/mL).

Inject the appropriate amount of reconstituted Paclitaxel Protein-Bound discontinue treatment with Paclitaxel Protein-Bound Particles for Injectable Particles for Injectable Suspension (Albumin-Bound) into an empty, Suspension (Albumin-Bound) and gemcitabine. sterile intravenous bag [plasticized polyvinyl chloride (PVC) containers, 5.5 Severe Hypersensitivity PVC or non-PVC type intravenous bag]. The use of specialized DEHP-free Severe and sometimes fatal hypersensitivity reactions, including solution containers or administration sets is not necessary to prepare or anaphylactic reactions, have been reported. Do not rechallenge patients who dminister Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) infusions. The use of medical devices containing silicone oil as a lubricant (i.e., syringes and intravenous bags) to reconstitute and dminister Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) may result in the formation of proteinaceous strands.

Visually inspect the reconstituted Paclitaxel Protein-Bound Particles for such as anaphylaxis. Closely monitor patients with a previous history of such as anaphylaxis. Injectable Suspension (Albumin-Bound) suspension in the intravenous bag prior to administration. Discard the reconstituted suspension if proteinaceous strands, particulate matter or discoloration are observed. 2.8 Stability

Unopened vials of Paclitaxel Protein-Bound Particles for Injectable uspension (Albumin-Bound) are stable until the date indicated on the severe myelosuppression package when stored between 20°C to 25°C (68°F to 77°F) (see USP Controlled Room Temperature) in the original package. Neither freezing nor refrigeration adversely affects the stability of the product. Stability of Reconstituted Suspension in the Vial

AST >10 x ULN. In addition, Paclitaxel Protein-Bound Particles for Injectabl Suspension (Albumin-Bound) is not recommended in patients wit Reconstituted Paclitaxel Protein-Bound Particles for Injectable Suspension metastatic adenocarcinoma of the pancreas who have moderate to sever nia (Albumin-Bound) in the vial should be used immediately, but may be hepatic impairment (total bilirubin >1.5 x ULN and AST <10 x ULN). Reduc

5.7 Albumin (Human)

or Thrombocytopenia at the Start of a Cycle or within a Cycle for Patients

The suspension for infusion when prepared as recommended in an infusion

Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) bag should be used immediately, but may be refrigerated at 2°C to 8°C (36°F donor screening and product manufacturing processes, it carries a remote e total combined refrigerated storage time of reconstituted Paclitaxel

Creutzfeldt-Jakob Disease (CJD) also is considered extremely remote. No otein-Bound Particles for Injectable Suspension (Albumin-Bound) in the al and in the infusion bag is 24 hours. This may be followed by storage in albumin.

infusion bag at ambient temperature (approximately 25°C) and lighting

5.8 Embryo-Fetal Toxicity

Based on mechanism of action and findings in animals, Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) can cause fetal

Myalgia / Arthralgia harm when administered to a pregnant woman. In animal reproduction studies, administration of protein bound paclitaxel to rats during pregnancy at doses lower than the maximum recommended human dose, based on Asthenia body surface area, caused embryo-fetal toxicities, including intrauterine mortality, increased resorptions, reduced numbers of live fetuses, and

clitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) Advise females of reproductive potential of the potential risk to a fetus. Advise females of reproductive potential to use effective contraception and Baseline neutrophil counts of < 1,500 cells/mm³ [see Warnings and avoid becoming pregnant during treatment with Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and for at least six A history of severe hypersensitivity reactions to Paclitaxel Protein-Bound months after the last dose [see Use in Specific Populations (8.1, 8.3), Particles for Injectable Suspension (Albumin-Bound) [see Warnings and Clinical Pharmacology (12.1)].

Based on findings from genetic toxicity and animal reproduction studies, advise male patients with female partners of reproductive potential to use effective 5.1 Severe Myelosuppression

Severe myelosuppression (primarily neutropenia) is dose-dependent and a Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and for at dose-limiting toxicity of protein bound paclitaxel. In clinical studies, Grade least three months after the last dose [see Use in Specific Populations (8.1, 8.3), 3-4 neutropenia occurred in 34% of patients with metastatic breast cancer Nonclinical Toxicology (13.1)].

(MBC), 47% of patients with non-small cell lung cancer (NSCLC), and 38% 6 ADVERSE REACTIONS

Monitor for severe neutropenia and thrombocytopenia by performing adverse reaction rates observed in the clinical trials of a drug cannot be complete blood cell counts frequently, including prior to dosing on Day 1 directly compared to rates in the clinical trials of another drug and may not (for MBC) and Days 1, 8, and 15 (for NSCLC and for pancreatic cancer). Do reflect the rates observed in practice. of Mibb) and Days 1, 0, and 13 (to indeed an expectation of the most common adverse reactions (≥ 20%) with single-agent use of (Albumin-Bound) to patients with baseline absolute neutrophil counts (ANC)

The most confining adverse reactions and adverse reaction and adverse reactions and adverse reaction

Because clinical trials are conducted under widely varying conditions

sensory neuropathy, abnormal ECG, fatigue/asthenia, myalgia/arthralgia, AST In the case of severe neutropenia (<500 cells/mm³ for seven days or elevation, alkaline phosphatase elevation, anemia, nausea, infections, and more) during a course of Paclitaxel Protein-Bound Particles for Injectable diarrhea [see Adverse Reactions (6.1)]. once) during a course of racinated Fridein Bodin tartions in the suspension (Albumin-Bound) therapy, reduce the dose of Paclitaxel

The most common adverse reactions (≥ 20%) of protein bound paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) in in combination with carboplatin for non-small cell lung cancer are anemia,

for a week or longer) or severe sensory neuropathy during Paclitaxel Bound) is a hazardous drug. Follow applicable special handling and disposal and fatigue [see Adverse Reactions (6.1)]. The most common serious neutropenia, thrombocytopenia, alopecia, peripheral neuropathy, nausea, Protein-Bound Particles for Injectable Suspension (Albumin-Bound) after ANC adverse reactions of protein bound paclitaxel in combination with carboplatin recovers to a level >1,500 cells/mm³ and platelets recover to a level >100,000 for non-small cell lung cancer are anemia (4%) and pneumonia (3%). The cells/mm3. In patients with NSCLC, resume treatment if recommended most common adverse reactions resulting in permanent discontinuation of dyspnea, chest pain, hypotension) that began on a day of dosing. at permanently reduced doses for both weekly Paclitaxel Protein-Bound protein bound paclitaxel are neutropenia (3%), thrombocytopenia (3%), and Severe events are defined as at least Grade 3 toxicity. Particles for Injectable Suspension (Albumin-Bound) and every-3-week peripheral neuropathy (1%). The most common adverse reactions resulting Other Adverse Reactions carboplatin after ANC recovers to at least 1500 cells/mm³ and platelet count in dose reduction of protein bound paclitaxel are neutropenia (24%), of at least 100,000 cells/mm³ on Day 1 or to an ANC of at least 500 cells/mm³ thrombocytopenia (13%), and anemia (6%). The most common adverse Particles for Injectable Suspension (Albumin-Bound) [see Contraindications of the cycle of the c are neutropenia (41%), thrombocytopenia (30%), and anemia (16%).

In patients with adenocarcinoma of the pancreas, withhold Paclitaxel In a randomized open-label trial of protein bound paclitaxel in combination Protein-Bound Particles for Injectable Suspension (Albumin-Bound) with gemcitabine for pancreatic adenocarcinoma [see Clinical Studies (14.3)], dose of 175 mg/m². Pancytopenia has been observed in clinical trials. and gemcitabine if the ANC is less than 500 cells/mm³ or platelets the most common (≥ 20%) selected (with a ≥ 5% higher incidence) adverse are less than 50,000 cells/mm³ and delay initiation of the next cycle reactions of protein bound paclitaxel are neutropenia, fatigue, peripheral if the ANC is less than 1500 cells/mm3 or platelet count is less than neuropathy, nausea, alopecia, peripheral edema, diarrhea, pyrexia, vomiting, 100,000 cells/mm³ on Day 1 of the cycle. Resume treatment with appropriate decreased appetite, rash, and dehydration [see Adverse Reactions (6.1)]. The most common serious adverse reactions of protein bound paclitaxel (with $a \ge 1\%$ higher incidence) are pyrexia (6%), dehydration (5%), pneumonia Hypersensitivity Reactions (HSRs) Sensory neuropathy is dose- and schedule-dependent [see Adverse (4%), and vomiting (4%). The most common adverse reactions resulting Grade 1 or 2 HSRs occurred on the day of protein bound paclitaxel Reactions (6.1)]. If \geq Grade 3 sensory neuropathy develops, withhold Paclitaxel Protein-Bound Particles for Injectable Suspension neuropathy (8%), fatigue (4%), and thrombocytopenia (2%). The most chest pain, and arrhythmia (all <1%). The use of Paclitaxel Protein-Bound Albumin-Bound) treatment until resolution to Grade 1 or 2 for metastatic common adverse reactions resulting in dose reduction of protein bound Particles for Injectable Suspension (Albumin-Bound) in patients previously breast cancer or until resolution to \leq Grade 1 for NSCLC and pancreatic paclitaxel are neutropenia (10%) and peripheral neuropathy (6%). The most exhibiting hypersensitivity to paclitaxel injection or human albumin has not cancer followed by a dose reduction for all subsequent courses of Paclitaxel common adverse reactions leading to withholding or delay in protein bound been studied. Protein-Bound Particles for Injectable Suspension (Albumin-Bound) [see paclitaxel dosing are neutropenia (16%), thrombocytopenia (12%), fatigue Cardiovascular (8%), peripheral neuropathy (15%), anemia (5%), and diarrhea (5%).

6.1 Clinical Trials Experience

Sepsis occurred in 5% of patients with or without neutropenia who received Metastatic Breast Cancer protein bound paclitaxel in combination with gemcitabine. Biliary obstruction Table 6 shows the frequency of important adverse reactions in the or presence of biliary stent were risk factors for severe or fatal sepsis.

randomized comparative trial for the patients who received either single
Severe cardiovascular events possibly related to single-agent protein bound If a patient becomes febrile (regardless of ANC) initiate treatment with agent protein bound paclitaxel or paclitaxel injection for the treatment of paclitaxel occurred in approximately 3% of patients. These events included broad spectrum antibiotics. For febrile neutropenia, interrupt Paclitaxel metastatic breast cancer.

Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and Table 6: Adverse Reactions in the Randomized Metastatic Breast Cancer Study on an Every-3-Weeks Schedule

е	reduced dose levels <i>[see Dosage and Administration (2.6)].</i>		1		transient ischemic attacks have been reported.
t	5.4 Pneumonitis		Percent of Pa	atients	Electrocardiogram (ECG) abnormalities were common among patients at
/	Pneumonitis, including some cases that were fatal, occurred in 4% of patients receiving protein bound paclitaxel in combination with gemcitabine.		Protein-Bound Paclitaxel 260 mg/m² over 30 min (n=229)	Paclitaxel Injection 175 mg/m² over 3 ha (n=225)	baseline. ECG abnormalities on study did not usually result in symptoms, were not dose-limiting, and required no intervention. ECG abnormalities were noted in 60% of patients. Among patients with a normal ECG prior
Ĺ	Monitor patients for signs and symptoms of pneumonitis and interrupt Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound)	Bone Marrow	(11=229)		to study entry, 35% of all patients developed an abnormal tracing while on
е	and gemcitabine during evaluation of suspected pneumonitis. After ruling out	Neutropenia			study. The most frequently reported ECG modifications were non-specific
t	infectious etiology and upon making a diagnosis of pneumonitis, permanently discontinue treatment with Paclitaxel Protein-Bound Particles for Injectable	< 2.0 x 10 ⁹ /L < 0.5 x 10 ⁹ /L	80 9	82 22	repolarization abnormalities, sinus bradycardia, and sinus tachycardia. Respiratory
,	Suspension (Albumin-Bound) and gemcitabine.	Thrombocytopenia < 100 x 10 ⁹ /L	2	3	Dyspnea (12%), cough (7%), and pneumothorax (<1%) were reported after treatment with protein bound paclitaxel.
9	5.5 Severe Hypersensitivity Severe and sometimes fatal hypersensitivity reactions, including	< 50 x 10 ⁹ /L	<1	<1	Neurologic
r	anaphylactic reactions, have been reported. Do not rechallenge patients who	Anemia			The frequency and severity of sensory neuropathy increased with cumulative
1	experience a severe hypersensitivity reaction to Paclitaxel Protein-Bound	< 11 g/dL < 8 g/dL	33	25 <1	dose. Sensory neuropathy was the cause of protein bound paclitaxel
4	Particles for Injectable Suspension (Albumin-Bound) with this drug [see	Infections	24	20	discontinuation in 7/229 (3%) patients. Twenty-four patients (10%) treated
1	Contraindications (4)].	Febrile Neutropenia	2	1	with protein bound paclitaxel developed Grade 3 peripheral neuropathy; of these patients, 14 had documented improvement after a median of 22 days:
	Cross-hypersensitivity between protein bound paclitaxel and other	Neutropenic Sepsis	<1	<1	10 patients resumed treatment at a reduced dose of protein bound paclitaxel
r	taxane products has been reported and may include severe reactions such as anaphylaxis. Closely monitor patients with a previous history of	Bleeding	2	2	and 2 discontinued due to peripheral neuropathy. Of the 10 patients without
S	hypersensitivity to other taxanes during initiation of Paclitaxel Protein-	Hypersensitivity Reaction ^b			documented improvement, 4 discontinued the study due to peripheral
f	Bound Particles for Injectable Suspension (Albumin-Bound) therapy.	All	4	12	neuropathy.
	5.6 Use in Patients with Hepatic Impairment	Severe ^c	0	2	No Grade 4 sensory neuropathies were reported. Only one incident of motor
2	The exposure and toxicity of paclitaxel can be increased in patients with	Cardiovascular			neuropathy (Grade 2) was observed in either arm of the controlled trial.
9	hepatic impairment. Closely monitor patients with hepatic impairment for severe myelosuppression	Vital Sign Changes During Administration			Vision Disorders Ocular/visual disturbances occurred in 13% of all patients (n=366) treated with protein bound paclitaxel and 1% were severe. The severe cases
r	Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-	Bradycardia	<1	<1	(keratitis and blurred vision) were reported in patients who received
	Bound) is not recommended in patients who have total bilirubin >5 x ULN or	Hypotension	5	5	higher doses than those recommended (300 or 375 mg/m²). These effects
	AST >10 x ULN. In addition, Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) is not recommended in patients with	Severe Cardiovascular Events ^c	3	4	generally have been reversible. Arthralgia/Mvalgia
1	metastatic adenocarcinoma of the pancreas who have moderate to severe hepatic impairment (total bilirubin >1.5 x ULN and AST \leq 10 x ULN). Reduce	Abnormal ECG			The symptoms were usually transient, occurred two or three days after
f	the starting dose for patients with moderate or severe hepatic impairment	All Patients	60	52	protein bound paclitaxel administration, and resolved within a few days.
1	[see Dosage and Administration (2.5), Use in Specific Populations (8.7), Clinical Pharmacology (12.3)].	Patients with Normal Baseline	35	30	Hepatic Grade 3 or 4 elevations in GGT were reported for 14% of patients treated
-	397 (1-10/1)	Respiratory			with protein bound paclitaxel and 10% of patients treated with paclitaxel
		Cough	7	6	injection in the randomized trial.

Protein-Bound Paclitaxel Injection aclitaxel 260 mg/m² over 175 mg/m² over 3 h² (n=225) (n=229) Sensory Neuropathy Any Symptoms Severe Symptoms^c Any Symptoms Severe Symptoms Severe Symptoms Severe Symptoms Any Symptoms Severe Symptoms^c Ikaline Phosphatase AST (SGOT) Elevations Injection Site Reaction

Paclitaxel injection patients received premedication b Includes treatment-related events related to hypersensitivity (e.g., flushing

Hematologic Disorders

leutropenia was dose dependent and reversible. Among patients with metastatic breast cancer in the randomized trial, neutrophil counts declined below 500 cells/mm³ (Grade 4) in 9% of the patients treated with a dose of 260 mg/m² compared to 22% in patients receiving paclitaxel injection at a 3513 patients assessed in paclitaxel injection/carboplatin-treated group.

protein bound paclitaxel. Oral candidiasis, respiratory tract infections and carboplatin-treated patients compared with the 524 patients who receive pneumonia were the most frequently reported infectious complications.

Hypotension, during the 30-minute infusion, occurred in 5% of patients Bradycardia, during the 30-minute infusion, occurred in <1% of patients These vital sign changes most often caused no symptoms and required neither specific therapy nor treatment discontinuation.

cardiac ischemia/infarction, chest pain, cardiac arrest, supraventricular achycardia, edema, thrombosis, pulmonary thromboembolism, pulmonary emboli, and hypertension. Cases of cerebrovascular attacks (strokes) and transient ischemic attacks have been reported. Electrocardiogram (ECG) abnormalities were common among patients at baseline. ECG abnormalities on study did not usually result in symptoms were not dose-limiting, and required no intervention. ECG abnormalities were noted in 60% of patients. Among patients with a normal ECG prior

treatment with protein bound paclitaxel.

The frequency and severity of sensory neuropathy increased with cumulative of protein bound paclitaxel. dose. Sensory neuropathy was the cause of protein bound paclitaxel <u>Adenocarcinoma of the Pancreas</u> discontinuation in 7/229 (3%) patients. Twenty-four patients (10%) treated

Adverse reactions were assessed in 421 patients who received protein bound improvement from Grade 3 peripheral neuropathy to ≤ Grade 1 was with protein bound paclitaxel developed Grade 3 peripheral neuropathy; of O patients resumed treatment at a reduced dose of protein bound paclitaxel and 2 discontinued due to peripheral neuropathy. Of the 10 patients without

Ocular/visual disturbances occurred in 13% of all patients (n=366) treated Table 9 provides the frequency and severity of laboratory-detected abnormalities Pneumonitis

Grade 3-4 Toxicity Between Treatment Groups

toxicities.

Other Clinical Events

Non-Small Cell Lung Cancer

Nail changes (changes in pigmentation or discoloration of nail bed) have

edema. Dehydration and pyrexia were also reported.

been reported. Edema occurred in 10% of patients; no patients had severe

Adverse reactions were assessed in 514 protein bound

had squamous cell lung cancer, 76% were ECOG PS 1. Patients in both

The following common (≥ 10% incidence) adverse reactions were observed

treatment arms received a median of 6 cycles of treatment.

98 Thrombocytopenia^{1,3}

14 patients assessed in paclitaxel injection/carboplatin-treated group.

Table 8 provides the frequency and severity of adverse reactions, wh occurred with a difference of \geq 5% for all grades (1-4) or \geq 2% for Grad Infectious episodes were reported in 24% of the patients treated with 3-4 between either treatment group for the 514 protein bound paclitaxel plu paclitaxel injection plus carboplatin.

Table 8: Selected Adverse Reactions with a Difference of ≥5% for All Grade Toxicity or ≥2% for Grade 3-4 Toxicity Between Treatment Groups

	Adverse	Protein Bound (100 mg/m² + carbop (N=51	weekly) latin	Paclitaxel Injection (200 mg/m² every 3 weeks) + carboplatin (N=524)		
System Organ Class	Reaction	Grade 1-4 Toxicity (%)	Grade 3-4 Toxicity (%)	Grades 1-4 Toxicity (%)	Grade 3-4 Toxicity (%)	
Nervous system disorders	Peripheral neuropathy ^a	48	3	64	12	
General disorders and administration site conditions	Edema peripheral	10	0	4	<1	
Respiratory thoracic and mediastinal disorders	Epistaxis	7	0	2	0	
Musculoskeletal and connective	Arthralgia	13	<1	25	2	
tissue disorders	Myalgia	10	<1	19	2	

study. The most frequently reported ECG modifications were non-specific Peripheral neuropathy is defined by the MedDRA Version 14.0 SMQ neuropathy (broad Eye disorders: cystoid macular edema

For the protein bound paclitaxel plus carboplatin treated group, 17/514 (3%) patients developed Grade 3 peripheral neuropathy and no patients developed Grade 4 peripheral neuropathy. Grade 3 neuropathy improved to Grade 1 or resolved in 10/17 patients (59%) following interruption or discontinuation neuropathy. The median time to first occurrence of Grade 3 peripheral

these patients, 14 had documented improvement after a median of 22 days; first-line systemic treatment of metastatic adenocarcinoma of the pancreas in a multicenter, multinational, randomized, controlled, open-label trial. Patients reduced dose. received a median treatment duration of 3.9 months in the protein bound Sepsis documented improvement, 4 discontinued the study due to peripheral paclitaxel/gemcitabine group and 2.8 months in the gemcitabine group. For Sepsis occurred in 5% of patients who received protein bound the treated population, the median relative dose intensity for gemcitabine paclitaxel/gemcitabine compared to 2% of patients who received No Grade 4 sensory neuropathies were reported. Only one incident of motor was 75% in the protein bound paclitaxel /gemcitabline group and 85% in gemcitabline alone. Sepsis occurred both in patients with and without neuropathy (Grade 2) was observed in either arm of the controlled trial. the gemcitabline group. The median relative dose intensity of protein bound neutropenia. Risk factors for sensis included biliary obstruction or paclitaxel was 81%.

with protein bound paclitaxel and 1% were severe. The severe cases which occurred at a higher incidence for Grades 1-4 ($\geq 5\%$) or for Grade 3-4 Pneumonitis occurred in 4% of patients who received protein bound keratitis and blurred vision) were reported in patients who received (≥ 2%) toxicity in protein bound paclitaxel plus gemcitabine-treated patients. paclitaxel/gemcitabine compared to 1% of patients who received

Overall 11% of patients experienced creatinine elevation, 1% severe. No with a Higher Incidence ($\geq 5\%$ for Grades 1-4 or $\geq 2\%$ for Grades discontinuations, dose reductions, or dose delays were caused by renal 3-4 Events) in the Protein Bound Paclitaxel/Gemcitabine Arm (125 mg/m²)/

Table 9: Selected Hematologic Laboratory-Detected Abnormalities

Grades 1-4 Grade 3-4

paclitaxel/carboplatin-treated patients and 524 paclitaxel injection/ | Thrombocytopenia^{b,c} | 74 13 70 9

carboplatin-treated patients receiving first-line systemic treatment for locally ^a 405 patients assessed in protein bound paclitaxel/gemcitabine-treated group. advanced (stage IIIB) or metastatic (IV) non-small cell lung cancer (NSCLC)

388 patients assessed in generation-treated group. a multicenter, randomized, open-label trial. Protein bound paclitaxel 404 patients assessed in protein bound paclitaxel

100 mg/m² on Days 1, 8, and 15 of each 21-day cycle. Paclitaxel injection bound paclitaxel /gemcitabine group. was administered as an intravenous infusion over 3 hours at a dose of Table 10 provides the frequency and severity of adverse reactions 200 mg/m², following premedication. In both treatment arms carboplatin which occurred with a difference of \geq 5% for all grades or \geq 2% for at a dose of AUC = 6 mg·min/mL was administered intravenously on Day 1 Grade 3 or higher in the protein bound paclitaxel plus gemcitabine-

Table 10: Selected Adverse Reactions with a Higher Incidence

was administered as an intravenous infusion over 30 minutes at a dose of description Neutrophil growth factors were administered to 26% of patients in the protein

of each 21-day cycle after completion of protein bound paclitaxel/paclitaxel treated group compared to the gemcitabine group.

The differences in paclitaxel dose and schedule between the two arms limit (≥5% for All Grade Toxicity or ≥2% for Grade 3 or Higher Toxicity) direct comparison of dose- and schedule-dependent adverse reactions in the Protein Bound Paclitaxel/Gemcitabine Arm Among patients evaluable for adverse reactions, the median age was 60 years, 75% were men, 81% were White, 49% had adenocarcinoma, 43%

Paclitaxel (N=402)

(125 mg/m²) and

The following con at a similar incide and paclitaxel inj	ence in prote ection plus	in bound pac carboplatin-tr	litaxel plu eated pat	s carbopla ients: alor	tin- treated becia 56%,	System Organ Class	Adverse Reaction	All Grades	Grade 3 or Higher	All Grades	Grade 3 or Higher
nausea 27%, fa constipation 16%	, diarrhea 15	5%, vomiting	12%, dys	spnea 12%	, and rash	General disorders and	Fatigue	248 (59%)	77 (18%)	183 (46%)	37 (9%)
10% (incidence ra treatment group).	ates are for t	he protein bo	und pacli	taxel plus	carboplatin	administration site conditions	Peripheral edema	194 (46%)	13 (3%)	122 (30%)	12 (3%)
Table 7 provide abnormalities whi	ch occurred	with a differe	nce of ≥	5% for all	grades (1-		Pyrexia	171 (41%)	12 (3%)	114 (28%)	4 (1%)
 or ≥ 2% for G carboplatin-treate 							Asthenia	79 (19%)	29 (7%)	54 (13%)	17 (4%)
patients.							Mucositis	42 (10%)	6 (1%)	16 (4%)	1 (<1%)
	ference of ≥	5% for grade	s (1-4) or	≥ 2 % for	lities with	Gastrointestinal disorders	Nausea	228 (54%)	27 (6%)	192 (48%)	14 (3%)
Gra	Protein B	ty Between T ound Paclitaxel		Paclitaxel Inj	ection		Diarrhea	184 (44%)	26 (6%)	95 (24%)	6 (1%)
	plus	g/m² weekly) carboplatin	,	mg/m² ever plus carbop	latin		Vomiting	151 (36%)	25 (6%)	113 (28%)	15 (4%)
	Grades 1-4 (%)	Grade 3-4 (%)		les 1-4 %)	Grade 3-4 (%)	Skin and subcutaneous	Alopecia	212 (50%)	6 (1%)	21 (5%)	0
Anemia ^{1,2} Neutropenia ^{1,3}	98 85	28 47		91 83	7 58	tissue disorders	Rash	128 (30%)	8 (2%)	45 (11%)	2 (<1%)
Thrombocytopenia ^{1,3}	68	18	_	55	9	Nervous system disorders	Peripheral neuropathy ^a	227 (54%)	70 (17%)	51 (13%)	3 (1%)
1 508 patients assess					ıp.	districts	Dysgeusia	68 (16%)	0	33 (8%)	0
² 514 patients assess ³ 513 patients assess							Headache	60 (14%)	1 (<1%)	38 (9%)	1 (<1%)
Table 8 provides occurred with a d						Metabolism and nutrition	Decreased appetite	152 (36%)	23 (5%)	104 (26%)	8 (2%)
3-4 between eithe carboplatin-treate	d patients co	mpared with				disorders	Dehydration	87 (21%)	31 (7%)	45 (11%)	10 (2%)
paclitaxel injection							Hypokalemia	52 (12%)	18 (4%)	28 (7%)	6 (1%)
Table 8: Sele All (Reactions w y or ≥2% for			5% for	Respiratory, thoracic and	Cough	72 (17%)	0	30 (7%)	0
	Betwe	en Treatment Protein Bound		Paclitavo	l Injection	mediastinal disorders	Epistaxis	64 (15%)	1 (<1%)	14 (3%)	1 (<1%)
		(100 mg/m² + carbop	weekly)	(200 mg/i	m² every 3 carboplatin	Infections and infestations	Urinary tract infections ^b	47 (11%)	10 (2%)	20 (5%)	1 (<1%)
	Adverse Reaction	(N=514 Grade	1) Grade	(N= Grades	524) Grade	Musculoskeletal and connective	Pain in extremity	48 (11%)	3 (1%)	24 (6%)	3 (1%)
System Organ		1-4 Toxicity	3-4 Toxicity	1-4 Toxicity	3-4 Toxicity	tissue disorders	Arthralgia	47 (11%)	3 (1%)	13 (3%)	1 (<1%)
Class		(%)	(%)	(%)	(%)		Myalgia	44 (10%)	4 (1%)	15 (4%)	0
Nervous system disorders	Peripheral neuropathy ^a	48	3	64	12	Psychiatric disorders	Depression	51 (12%)	1 (<1%)	24 (6%)	0
							address to all office and to			F 0 04	

eripheral neuropathy is defined by the MedDRA Version 15.0 Standard MedDRA Query neuropathy (broad scope). nary tract infections includes the preferred terms of: urinary tract infection. stitis, urosepsis, urinary tract infection bacterial, and urinary tract infection

dditional clinically relevant adverse reactions that were reported in < % of the patients with adenocarcinoma of the pancreas who received rotein bound paclitaxel/gemcitabine included:

fections & infestations: oral candidiasis, pneumonia ascular disorders: hypertension

Cardiac disorders: tachycardia, congestive cardiac failure

Peripheral Neuropathy

Grade 3 peripheral neuropathy occurred in 17% of patients who received

protein bound paclitaxel/gemcitabine compared to 1% of patients who received gemcitabine only; no patients developed grade 4 peripheral neuropathy in the protein bound paclitaxel arm was 140 days. Upo suspension of protein bound paclitaxel dosing, the median time to paclitaxel plus gemcitabine and 402 patients who received gemcitabine for the

presence of biliary stent.

emcitabine alone. Two of 17 patients in the protein bound paclitaxel arm with pneumonitis died.

relationship to drug exposure.

Postmarketing Experience The following adverse reactions have been identified during post-approva use of protein bound paclitaxel or with paclitaxel injection and may be expected to occur with protein bound paclitaxel. 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

ontrac ontrac r at leg Pacli jectabl

Cardiovascular Congestive heart failure, left ventricular dysfunction, and atrioventricular Pregnancy Testing

Pneumonitis, interstitial pneumonia, and pulmonary embolism. <u>Contraception</u> Radiation pneumonitis in patients receiving concurrent radiotherapy. *Females* Lung fibrosis has been reported with paclitaxel injection.

such as anthracyclines, or had underlying cardiac history.

Cranial nerve palsies and vocal cord paresis, as well as autonomic neuropathy resulting in paralytic ileus.

paclitaxel injection suggest persistent optic nerve damage.

Hepatic necrosis and hepatic encephalopathy leading to death in patients treated with paclitaxel injection.

onset of the injection site reaction occurred during a prolonged infusion patients across these studies. at a different site has been reported

Metabolic and Nutritional Disorders Tumor lysis syndrome.

Other Clinical Events

and pruritus. Photosensitivity reactions, radiation recall phenomenon, scleroderma

toxic epidermal necrolysis have been reported. Conjunctivitis, cellulitis, and increased lacrimation have been reported

with paclitaxel injection. Accidental Exposure

The metabolism of paclitaxel is catalyzed by CYP2C8 and CYP3A4. patients younger than 65 years old.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Protein-Bound Particles for Injectable Suspension (Albumin-Bound) respond differently from younger patients. can cause fetal harm when administered to a pregnant woman [see 8.6 Renal Impairment (see Data). Advise females of reproductive potential of the potential 8.7 Hepatic Impairment

mortality, increased resorptions (up to 5-fold), reduced numbers of (2.5)]. litters and live fetuses, reduction in fetal body weight, and increase 10 OVERDOSAGE dilation of brain ventricles.

8.2 Lactation

There are no data on the presence of paclitaxel in human milk, or Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound)

Clearance < 30 mL/min) on the pharmacokinetics of paclitaxel in protein (Albumin-Bound) and for two weeks after the last dose.

Animal Data

Following intravenous administration of radiolabeled paclitaxel to rats on days 9 to 10 postpartum, concentrations of radioactivity in milk were higher than in plasma and declined in parallel with the plasma

8.3 Females and Males of Reproductive Potential

when administered to a pregnant woman [see Use in Specific Populations uspension (Albumin-Bound).

Advise females of reproductive potential to use effective contraception and 12 CLINICAL PHARMACOLOGY avoid becoming pregnant during treatment with Paclitaxel Protein-Bound

12.1 Mechanism of Action

to baseline. Abnormal visual evoked potentials in patients treated with contraception and avoid fathering a child during treatment with Paclitaxel interphase and mitotic cellular functions. Paclitaxel induces abnormal arrays reproductive indices, and increased embryo-fetal toxicity. Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and for or "bundles" of microtubules throughout the cell cycle and multiple asters 14 CLINICAL STUDIES at least three months after the last dose [see Use in Specific Populations of microtubules during mitosis. (8.1) and Nonclinical Toxicology (13.1)1.

Injection Site Heaction
Extravasation. Closely monitor the protein bound paclitaxel infusion site for possible infiltration during drug administration /see Dosage

Dosage | D

previous extravasation following administration of paclitaxel injection previous extravasation following administration of paclitaxel injection pediatric patients (aged 1.4 to < 17 years) as compared to the pharmacokinetics of 175 of the patients had not received prior chemotherapy; 27% had received toxicity. The major efficacy outcome measure was overall survival (OS).

8.5 Geriatric Use

years of age and < 2% were 75 years or older. This study of protein bound half-lives. Skin reactions including generalized or maculopapular rash, erythema, paclitaxel did not include a sufficient number of patients with metastatic <u>Distribution</u> respond differently from younger patients.

palmar-plantar erythrodysesthesia. Stevens-Johnson syndrome and palmar-plantar erythrodysesthesia. Stevens-Johnson syndrome and protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which palmar plantar erythrodysesthesia. Stevens-Johnson syndrome and protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which packed and the protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which protein bound paclitaxel monotherapy for metastatic breast cancer, of which packed and packed an 15% were 65 years of age or older and 2% were 75 years of age or older. A extravascular distribution and/or tissue binding of paclitaxel. edema was found in patients 65 years of age or older.

Upon inimation or paclitaxel, dyspnea, chest pain, burning eyes, sore throat, and nausea have been reported.

Following topical exposure, tingling, burning, and redness have been reported.

The metabolism of paclitaxel, dyspnea, chest pain, burning eyes, sore throat, and nausea have been reported.

Paulitaxel and carpopiatin for the first-line treatment of non-small cell lung cancer, 31% were 65 years or older and 3.5% were 75 years or older. Myelosuppression, peripheral neuropathy, and arthralgia were more frequent in patients 65 years or older compared to patients younger than 65 years or older compared to patients of years or older compared to patients or years or older compared to patients of years or older compared to patients or years or older years or ye

Caution should be exercised when administering Paclitaxel Protein
Of the 431 patients in the randomized study who received protein bound

At the clinical dose range of 80 to 300 mg/m² (0.31 to 1.15 times the Bound Particles for Injectable Suspension (Albumin-Bound) concomitantly with medicines known to inhibit or induce either CYP2C8 or CYP3A4.

Or life 431 patents in the failudinated study with received protein bound of the first-line treatment of pancreatic adenocarcinoma, 41% were 65 years or older and 10% were 75 years or older and 10% were 75 years or older. No overall differences in effectiveness were observed between patients of paclitaxel ranges from 13 to 27 hours. who were 65 years of age or older and younger patients. Diarrhea, decreased Metabolism appetite, dehydration, and epistaxis were more frequent in patients 65 years or older compared with patients younger than 65 years old. Clinical studies that paclitaxel in protein bound paclitaxel was metabolized primarily of protein bound paclitaxel did not include sufficient number of patients with to 6\alpha-hydroxypaclitaxel by CYP2C8; and to two minor metabolites, Based on its mechanism of action and findings in animals, Paclitaxel pancreatic cancer who were 75 years and older to determine whether they 3'-p-hydroxypaclitaxel and 6\alpha, 3'-p-dihydroxypaclitaxel, by CYP3A4. In

No adjustment of the starting Paclitaxel Protein-Bound Particles for Excretion and Administration (2.5) and Clinical Pharmacology (12.3)]. Paclitaxel approximately 20% of the total dose administered. Protein-Bound Particles for Injectable Suspension (Albumin-Bound) is not recommended for use in patients with total bilirubin > 5 x ULN or AST > Specific Populations pregnancy, on gestation days 7 to 17 at doses of 6 mg/m² (approximately for Injectable Suspension (Albumin-Bound) is not recommended for use 2% of the daily maximum recommended human dose on a mg/m² in patients with metastatic adenocarcinoma of the pancreas who have basis) caused embryo-fetal toxicities, as indicated by intrauterine moderate to severe hepatic impairment [see Dosage and Administration]

suppression, sensory neurotoxicity, and mucositis.

Paclitaxel is a white to off-white crystalline powder. It is highly lipophilic, Paclitaxel was clastogenic in vitro (chromosome aberrations in human Severe and sometimes fatal hypersensitivity reactions. Cross- Based on animal studies and mechanism of action, Paclitaxel Protein-Bound insoluble in water, and melts at approximately 216°C to 217°C.

hypersensitivity between protein bound and other taxanes has been Particles for Injectable Suspension (Albumin-Bound) can cause fetal harm Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) mutagenic in the Ames test or the CHO/HGPRT gene mutation assay. is supplied as a white to yellow, sterile, lyophilized powder for reconstitution with Administration of paclitaxel formulated as albumin-bound particles to male 20 mL of 0.9% Sodium Chloride Injection. USP prior to intravenous infusion. rats at 42 mg/m² on a weekly basis (approximately 16% of the daily maximum Each single-dose vial contains 100 mg of paclitaxel (bound to human albumin) recommended human exposure on a body surface area basis) for 11 weeks block. Most patients were previously exposed to cardiotoxic drugs, Verify the pregnancy status of females of reproductive potential prior to and approximately 900 mg of human albumin (containing sodium caprylate prior to mating with untreated female rats resulted in significantly reduced starting treatment with Paclitaxel Protein-Bound Particles for Injectable and sodium acetyltryptophanate), and sodium hydroxide and hydrochloric acid fertility accompanied by decreased pregnancy rates and increased loss of for pH adjustment. Each milliliter (mL) of reconstituted suspension contains 5 embryos in mated females. A dose of 42 mg/m² also reduced male reproductive mg paclitaxel formulated as albumin-bound particles. Paclitaxel Protein-Bound organ weights, mating performance, and sperm production. Testicular particles for Injectable Suspension (Albumin-Bound) is free of solvents.

Vision Disorders

Reduced visual acuity due to cystoid macular edema (CME). After

Males

Based on findings in genetic toxicity and animal reproduction studies, and stabilizes microtubules by preventing depolymerization. This stability results in the inhibition of the normal action of paclitaxel prior to and during mating produced impairment depolymerization. This stability results in the inhibition of the normal action of paclitaxel prior to and during mating produced impairment depolymerization. This stability results in the inhibition of the normal action of paclitaxel prior to and during mating produced impairment depolymerization. This stability results in the inhibition of the normal action of paclitaxel prior to and during mating produced impairment depolymerization. This stability results in the inhibition of the normal action of paclitaxel prior to and during mating produced impairment depolymerization. This stability results in the inhibition of the normal action of paclitaxel prior to and during mating produced impairment depolymerization.

12.3 Pharmacokinetics

180-minute infusions of protein bound paclitaxel at dose levels of to support the use of protein bound paclitaxel in metastatic breast cancer. screening period prior to study randomization were ineligible. Females and Males

Intestinal obstruction, intestinal perforation, paceratitis, and ischemic colitis. In patients treated with paclitaxel injection, neutropenic and in combination with other chemotherapeutic agents.

Intestinal obstruction, intestinal perforation, pancreatitis, and ischemic colitis. (typhlitis) despite the coadministration of G-CSF, alone and in combination with other chemotherapeutic agents.

Intestinal obstruction, intestinal perforation, pancreatitis, and ischemic colitis. (typhlitis) despite the coadministration of G-CSF, alone and in combination with other chemotherapeutic agents.

Intestinal obstruction, intestinal perforation, pancreatitis, and ischemic colitis. (typhlitis) despite the coadministration of G-CSF, alone and in combination with other chemotherapeutic agents.

Intestinal obstruction, intestinal perforation, pancreatitis, and ischemic colitis. In patients treated with paclitaxel injection, neutropenic and in combination with other chemotherapeutic agents.

Intestinal obstruction, intestinal perforation, pancreatitis, and ischemic dosage of mg/m² feetility in females and dosage) were determined in clinical studies. Dose levels of mg/m² (0.31 to 1.15 times the maximum approved recommended dosage) were determined in clinical studies.

In patients treated with paclitaxel injection, neutropenic dosage of mg/m² as a 30-minute intrusions of protein bound paclitaxel. Following intravenous and one of 175 mg/m² to 43 patients with metastatic breast cancer. The females and dosage of mg/m² as a 30-minute intrusions of protein bound paclitaxel was administered as a 30-minute intrusion of protein bound paclitaxel. Following intravenous and one of 180 mg/m² as a 30-minute intensional condition with other chemotherapeutic septimal paclitaxel in protein bound paclitaxel. Following intravenous and one of 300 mg/m² as a 30-minute intrusion of protein bound paclitaxel. Following intravenous and one of 180 mg/m² as a 30-minute intrusion of protein bound paclitaxel. Following intravenous and one o

independent of the duration of intravenous administration.

paclitaxel for the treatment of metastatic breast cancer, 13% were at least 65 paclitaxel than for paclitaxel injection. There were no differences in terminal study drug as second or greater than second-line therapy. Seventy-seven radiological review using RECIST (version 1.0).

higher incidence of epistaxis, diarrhea, dehydration, fatigue, and peripheral In a within-patient comparison study, the fraction of unbound paclitaxel in Table 11: Efficacy Results from Randomized Metastatic Breast Cancer rate are shown in Table 13. plasma was significantly higher with protein bound paclitaxel (6.2%) than Of the 514 patients in the randomized study who received protein bound with solvent-based paclitaxel (2.3%). This contributes to significantly higher paclitaxel and carboplatin for the first-line treatment of non-small cell exposure to unbound paclitaxel with protein bound paclitaxel compared with

vitro, the metabolism of paclitaxel to 6α -hydroxypaclitaxel was inhibited by a number of agents (ketoconazole, verapamil, diazepam, quinidine, Clinical Pharmacology (12.1)]. There are no available human data on Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) use in pregnant women to inform the drug-associated risk. In animal reproduction studies, administration of paclitaxel formulated as albumin-bound particles to pregnant rats during the period of organogenesis resulted in embryo-fetal toxicity at doses approximately 2% of the daily maximum recommended human dose on a mg/m² basis 2% of the daily maximum recommended human dose on a mg/m² basis 2% of the daily maximum recommended human dose on a mg/m² basis 3%. Henatic Impairment (Protein-Bound Particles for Injectable Suspension (Albumin-Bound) dose is required for patients with an animal reproduction studies, administration of paclitaxel for patients with the concentrations used exceeded those found in vivo following normal therapeutic doses. Testosterone, 17α-ethinyl estradiol, retinoic acid, and quercetion, a specific inhibitor of CYP2C8, also inhibited the organization of 6α-hydroxypaclitaxel in vitro. The pharmacokinetics of paclitaxel may also be altered in vivo as a result of interactions with carboplatin to paclitaxel injection in combination with carboplatin to paclitaxel injection in combination with carboplatin as first-line treatment in an analysis of the startified by 1th enable fluency. The pharmacology (12.1) dexamethasone, cyclosporin, teniposide, etoposide, and vincristine), but the concentrations used exceeded those found in vivo following normal therapeutic doses. Testosterone, 17α-ethinyl estradiol, retinoic acid, and quercetin, a specific inhibitor of CYP2C8, also inhibited the concentrations used exceeded those found in vivo following normal therapeutic doses. Testosterone, 17α-ethinyl estradiol, retinoic acid, and quercetin, a specific inhibitor of CYP2C8, also inhibited the concentrations used exceeded those found in vivo following acid, and quercetin, a specific inhibitor of CYP2C8, also inhibited the concentrations used exceeded those found in dexamethasone, cyclosporin, teniposide, etoposide, and vincristine), and/or CYP3A4 [see Drug Interactions (7)].

of paclitaxel formulated as albumin-bound particles to rats during (5.6), and Clinical Pharmacology (12.3)]. Paclitaxel Protein-Bound Particles bilirubin >1 to \leq 1.5 x ULN and AST \leq 10 x ULN).

> Patients with moderate (total bilirubin >1.5 to 3 x ULN and AST \leq 10 x ULN) treatment in both study arms. Dosage and Administration (2.5) and Use in Specific Populations (8.7)]. study arms. The effect of severe renal impairment or end stage renal disease (creatinine Table 12: Efficacy Results from Randomized Non-Small Cell Lung Cancer

There are no data on the presence of paclitaxel in human milk, or its effect on the breastfed child or on milk production. In animal studies, paclitaxel and/or its metabolites were excreted into the milk of lactating rats (see Data). Because of the potential for serious adverse reactions in a breastfed child from Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) advise lactating women not to breastfeed during treatment with Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) advise lactating women not to breastfeed during treatment with Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and paclitaxel protein-Bound Particles for Injectable Suspension (Albumin-Bound) and paclitaxel is a microtubule inhibitor. The chemical name for paclitaxel is 5β,20- Epoxy-1,2α,4,7β,10β,13α-hexahydroxytax-11-en-9-one 4,10-diacetate 2-benzoate 13-ester with (2R,3S)-N-benzoyl-3-phenylisoserine. The empirical formula is C₄,H₅₁,NO₁₄ and the molecular weight is paclitaxel protein-Bound Particles for Injectable Suspension (Albumin-Bound) as albumin-bound nanoparticles with a mean particle size of approximately 330 nanometers. Paclitaxel exists in the particles in a non-organized is unknown.

Drug Interaction Studies

Carboplatin: Administration of carboplatin immediately after the completion of the protein bound paclitaxel infusion to patients with NSCLC did not cause of the protein-Bound Particles for Injectable Suspension (Albumin-Bound) and paclitaxel is unknown.

Drug Interaction Studies

Carboplatin: Administration of carboplatin immediately after the completion of the protein bound paclitaxel infusion to patients with NSCLC did not cause of the protein-Bound Particles for Injectable Suspension (Albumin-Bound) and paclitaxel is unknown.

Drug Interaction Studies

Carboplatin: Administration of carboplatin immediately after the completion of the protein-Bound paclitaxel is unknown.

Drug Interaction Studies

Carboplatin: Administration of carbopl value (6 min*mg/mL), but its mean half-life and clearance were consistent with those reported in the absence of paclitaxel

13 NONCLINICAL TOXICOLOGY 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility The carcinogenic potential of Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) has not been studied.

lymphocytes) and in vivo (micronucleus test in mice). Paclitaxel was not

animals administered paclitaxel formulated as albumin-bound particles at doses lower than the recommended human dose; doses were 54 mg/ CI = confidence interval; DoR= Duration of response. m² in rodents and 175 mg/m² in dogs. Similar testicular degeneration was 14.3 Adenocarcinoma of the Pancreas

14.1 Metastatic Breast Cancer

percent of the patients had been previously exposed to anthracyclines.

In the intent-to-treat (all randomized) population, the median age was

In this trial, patients in the protein bound paclitaxel treatment arm had a 63 years (range 27-88 years) with 42% \geq 65 years of age; 58% were men; breast cancer who were 65 years and older to determine whether they respond differently from younger patients.

Following protein bound paclitaxel administration to patients with solid statistically significantly higher reconciled target lesion response rate (the umors, paclitaxel is evenly distributed into blood cells and plasma and is trial primary endpoint) of 21.5% (95% CI: 16.2% to 26.7%), compared included 46% of patients with 3 or more metastatic sites; 84% of patients and in some patients previously exposed to capecitabine, reports of and in some patients previously exposed to capecitabine, reports of and in some patients previously exposed to capecitabine, reports of a subsequent pooled analysis was conducted in 981 patients receiving highly bound to plasma proteins (94%). The total volume of distribution is to 11.1% (95% CI: 6.9% to 15.1%) for patients in the paclitaxel injection highly bound to plasma proteins (94%). The total volume of distribution is and the location of the primary pancreatic lesion was in in overall survival between the two study arms.

		Protein Bound Paclitaxel 260 mg/m²	Paclitaxel Injection 175 mg/m²			
Reconciled Target Lesion Response Rate (primary endpoint) ^a						
All randomized patients	Response Rate [95% CI]	50/233 (21.5%) [16.19% – 26.73%]	25/227 (11.1%) [6.94% – 15.09%]			
	p-value ^b	0.003	•			
Patients who had failed combination chemotherapy or relapsed within 6 months of adjuvant chemotherapy ^c	Response Rate [95% CI]	20/129 (15.5%) [9.26% – 21.75%]	12/143 (8.4%) [3.85% – 12.94%]			

first 6 cycles of therapy. The reconciled TLRR was lower than the investigator Reported Response Rates, which are based on all cycles of therap

paclitaxel injection in combination with carboplatin as first-line treatment in patients with advanced non-small cell lung cancer. Protein bound paclitaxel The background rate of major birth defects and miscarriage is unknown for the indicated population. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in clinically recognized pregnancies in the starting Pacificate Protein-bound paclitaxel Protein-bound of 260 mg/m² doses of protein bound paclitaxel plus gemcitabine of 260 mg/m² doses of protein bound paclitaxel plus gemcitabine of 260 mg/m² doses of protein bound paclitaxel plus gemcitabine of 260 mg/m² on Days 1, 8, and 15 of each 21-day cycle. Paclitaxel injection was administered as an intravenous infusion over 3 hours at a dose of drug (4%) indicated extensive non-renal clearance. Less than 1% of the estimated background risk of major birth defects and miscarriage is unknown for the indicated population. In the U.S. general population, with mild hepatic impairment (breat population) over 3 hours at a dose of drug (4%) indicated extensive non-renal clearance. Less than 1% of the completion of 260 mg/m² of protein bound paclitaxel plus gemcitabine of the analysis of protein bound paclitaxel plus gemcitabine of the analysis of protein bound paclitaxel plus gemcitabine of the analysis of protein bound paclitaxel plus gemcitabine of the analysis of protein bound paclitaxel plus gemcitabine of the analysis of protein bound paclitaxel plus gemcitabine of the analysis of protein bound paclitaxel plus gemcitabine of the analysis of protein bo in clinically recognized pregnancies is 2% to 4% and 15% to 20%, in patients with moderate to severe hepatic impairment [see Dosage on Independent Padiel and 3'-p-hydroxypaclitaxel an paclitaxel infusion. Treatment was administered until disease progression Based on Independent Radiological Reviewer Assessmen or development of an unacceptable toxicity. The major efficacy outcome definition of Chi-square test. Animal vata

In embryo-fetal development studies, intravenous administration

10 x ULN [see Dosage and Administration (2.5), Warnings and Precautions

10 x ULN [see Dosage and Administration (2.5), Warnings and Precautions

10 x ULN [see Dosage and Administration (2.5), Warnings and Precautions

10 x ULN [see Dosage and Administration (2.5), Warnings and Precautions

11 x ULN [see Dosage and Administration (2.5), Warnings and Precautions

12 x ULN [see Dosage and Administration (2.5), Warnings and Precautions

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15 x ULN [see Dosage and Administration (2.5), Warnings and Precautions

16 x ULN [see Dosage and Administration (2.5), Warnings and Precautions

17 x ULN [see Dosage and Administration (2.5), Warnings and Precaution

143 kg), body surface area (1.3 to 2.4 m²), sex, race (Asian vs. White), age In the intent-to-treat (all-randomized) population, the median age was 60 similar to that observed in the overall study population. (24 to 85 years), type of solid tumors, mild to moderate renal impairment years, 75% were men, 81% were White, 49% had adenocarcinoma, 43% reatinine clearance 30 to <90 mL/min), and mild hepatic impairment (total had squamous cell lung cancer, 76% were ECOG PS 1, and 73% were current or former smokers. Patients received a median of 6 cycles of

in fetal anomalies. Fetal anomalies included soft tissue and skeletal

There is no known antidote for Paclitaxel Protein-Bound Particles for to 26% decrease in the maximum elimination rate of paclitaxel and significantly higher overall response rate compared to patients in the malformations, such as eye bulge, folded retina, microphthalmia, and injectable Suspension (Albumin-Bound) overdosage. The primary approximately 20% increase in mean paclitaxel AUC compared with patients approximately 20% increase in mean paclitaxel AUC compared with patients approximately 20% increase in mean paclitaxel injection/carboplatin arm [(33% versus 25%) see Table 12]. There anticipated complications of overdosage would consist of bone marrow with normal hepatic function (total bilirubin <ULN and AST <ULN) [see was no statistically significant difference in overall survival between the two

Trial (Intent-to-Treat Population) Protoin Pound Poolitoval Poolitoval Injectic

	Protein Bound Paclitaxel (100 mg/m² weekly) + carboplatin (N=521)	Paclitaxel Injection (200 mg/m² every 3 weeks) + carboplatin (N=531)
Overall Response Rate (O	RR)	
Confirmed complete or partial overall response, n (%)	170 (33%)	132 (25%)
95% CI	28.6, 36.7	21.2, 28.5
P-value (Chi-Square test)	0.00	5
Median DoR in months (95% CI)	6.9 (5.6, 8.0)	6.0 (5.6, 7.1)

	Protein Bound Paclitaxel (100 mg/m² weekly) + carboplatin (N=521)	Paclitaxel Injection (200 mg/m² every 3 weeks) + carboplatin (N=531)
all Response Rate b	y Histology	
noma/ ocarcinoma	66/254 (26%)	71/264 (27%)
mous Cell noma	94/229 (41%)	54/221 (24%)
Cell Carcinoma	3/9 (33%)	2/13 (15%)
	7/29 (24%)	5/33 (15%)
afidence interval. D	-D Dtif	

in 861 patients comparing protein bound paclitaxel plus gemcitabine versus gemcitabine monotherapy as first-line treatment of metastatic Treduced visual activity due to cystolia macunity use to cystolia macunity due to cystolia macunity results in the innibition of treatment, CME may improve, and visual acuity may return advise males with female partners of reproductive potential to use effective dynamic reorganization of the microtubule network that is essential for vital contracted and the macunity of the macuni 2.5 times the upper limit of normal (ULN) or \leq 5 times the ULN for patients with liver metastasis, no prior cytotoxic chemotherapy in the adjuvant Severe Neuropathy setting or for metastatic disease, no ongoing active infection requiring Data from 106 patients accrued in two single arm open label studies and systemic therapy, and no history of interstitial lung disease. Patients with The pharmacokinetics of total paclitaxel following 30 and from 460 patients enrolled in a randomized comparative study were available rapid decline in KPS (≥10%) or serum albumin (≥20%) during the 14 day

to protein bound paclitaxel/gemcitabine received protein bound paclitaxel Severe Hypersensitivity Extravasation. Closely monitor the protein bound paclitaxel infusion site for possible infiltration during drug administration [see Dosage and Administration 2.1)].

Severe events such as phlebitis, cellulitis, induration, necrosis, and open assessed in an open-label, dose expansion study (NCT01962103) in 96 pediatric patients aged 1.4 to <17 years with recurrent or refractory pediatric solid tumors. The maximum tolerated dose (MTD) severe events such as phlebitis, cellulitis, induration, necrosis, and open-label, dose expansion study (NCT01962103) in 96 pediatric patients aged 1.4 to <17 years with recurrent or refractory pediatric solid tumors. The maximum tolerated dose (MTD) and paclitaxel infusion, paclitaxel infusion, paclitaxel infusion, paclitaxel infusion, paclitaxel infusion, paclitaxel infusion, paclitaxel exhibited infusion, protein bound paclitaxel infusion.

Severe events such as phlebitis, cellulitis, induration, necrosis, and provided with preclivately injection language were observed in pediatric patients and open-label, dose expansion study (NCT01962103) in 96 pediatric patients aged 1.4 to <17 years with recurrent or refractory pediatric solid tumors. The maximum tolerated dose (MTD) in the slower second phase representing drug elimination.

Randomized Comparative Study

This multicenter trial was conducted in 460 patients with metastatic breast or refractory pediatric patients were randomized to receive protein bound paclitaxel infusion, paclitaxel infusion, paclitaxel infusion, paclitaxel infusion, paclitaxel infusion, or paclitaxel infusion, or paclitaxel in protein bound paclitaxel exhibited infusion, paclitaxel i 125 mg/m² as an intravenous infusion over 30-40 minutes followed by • Instruct natients to contact their healthcare provider for signs of an Severe events such as phiebitis, celiulitis, induration, necrosis, and compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage). The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage. The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage. The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage. The pharmacokinetics of paclitaxel injection. In some cases, the compared to adults. No new safety signals were observed in pediatric dosage. The pharmacokinetics of paclitaxel injection in the compared to adults. No new safety signals were observed in pediatric dosage. The pharmacokinetics of paclitaxel injection in the comp onset of the injection site reaction occurred during a prolonged infusion or was delayed up to ten days. Recurrence of skin reactions at a site of or was delayed up to ten days. Recurrence of skin reactions at a site of wisceral metastases; and 76% had > 3 sites of metastases. Fourteen percent in both arms received treatment until disease progression or unacceptable 8.5 Geriatric Use

Of the 229 patients in the randomized study who received protein bound

mg/m² paclitaxel injection over a 3-hour infusion. Clearance was larger (43%) and the volume of distribution was higher (53%) for protein bound

(43%) and the volume of distribution was higher (53%) for protein bound overall response rate (ORR), both assessed by independent, central, blinded

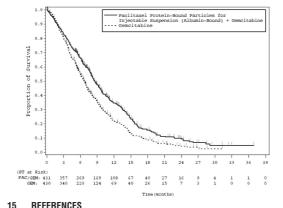
Results for overall survival progression-free survival and overall response

Table 13: Efficacy Results from Randomized Study in Patients with

	Protein Bound Paclitaxel (125 mg/m²) and gemcitabine (N = 431)	Gemcitabine (N = 430)
Overall Survival		
Number of deaths, n (%)	333 (77)	359 (83)
Median Overall Survival (months)	8.5	6.7
95% CI	7.9, 9.5	6.0, 7.2
HR (95% CI) ^a	0.72 (0.6	62, 0.83)
P-value ^b	<0.0	001
Progression-free Survival ^c		
Death or progression, n (%)	277 (64)	265 (62)
Median Progression-free Survival (months)	5.5	3.7
95% CI	4.5, 5.9	3.6, 4.0
HR (95% CI) ^a	0.69 (0.5	8, 0.82)
P-value ^b	<0.0	001
Overall Response Rate ^c		
Confirmed complete or partial overall response, n (%)	99 (23)	31 (7)
95% CI	19.1, 27.2	5.0, 10.1
P-value ^d	<0.0	001

sufficient number of subjects, the treatment effects on overall survival were

Figure 1: Kaplan-Meier Curve of Overall Survival (Intent-to-Treat



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

16 HOW SUPPLIED/STORAGE AND HANDLING

Paclitaxel Protein-Round Particles for Injectable Suspension (Albumin-Round) is a white to yellow, sterile, lyophilized powder supplied as:

NDC: 0517-4300-01 100 mg of paclitaxel in a single-dose vial. individually packaged in a carton.

Store the vials in original cartons at 20°C to 25°C (68°F to 77°F). (see USP Controlled Room Temperature). Retain in the original package to protect from bright light. Paclitaxel Protein-Bound Particles for Injectable uspension (Albumin-Bound) is a hazardous drug. Follow applicable special nandling and disposal procedures.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient

Severe Myelosuppression

 Patients must be informed of the risk of low blood cell counts and severe and life-threatening infections and instructed to contact their healthcare provider immediately for fever or evidence of infection [see Warnings and Precautions (5.1), (5.3)].

Patients must be informed that sensory neuropathy occurs frequently with Paclitagel Protein-Round Particles for Injectable Suspension (Albumin-Bound) and patients should advise their healthcare providers of numbness, tingling, pain or weakness involving the extremities [see

allergic reaction, which could be severe and sometimes fatal [see Warnings and Precautions (5.5)]. Common Adverse Reactions

Explain to patients that alopecia, fatique/asthenia, and myalgia/arthralgia occur frequently with Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound). Instruct patients to contact their healthcare providers for persistent

vomiting, diarrhea, or signs of dehydration [see Adverse Reactions (6)]. Embryo-Fetal Toxicity

Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin Bound) injection can cause fetal harm. Advise patients to avoid becoming pregnant while receiving this drug. Females of reproductive potential Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and for at least six months after the last dose of Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) Isee Warnings and Precautions (5.8) and Use in Specific Populations (8.1, 8.3)].

Advise male natients with female partners of reproductive notential to use effective contraception and avoid fathering a child during treatment with Paclitaxel Protein-Round Particles for Injectable Suspension (Albumin-Bound) and for at least three months after the last dose of Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) [see Use in Specific Populations (8.3)].

Advise patients not to breastfeed while taking Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) and for two weeks after receiving the last dose [see Use in Specific Populations (8.2)].

 Advise males and females of reproductive potential that Paclitaxel Protein-Bound Particles for Injectable Suspension (Albumin-Bound) may impair fertility [see Use in Specific Populations

Manufactured for: American Regent, Inc., Shirley, NY 11967

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