

Hospira Australia Pty Ltd
Review frequency: Three years from date of issue/review

Leaflet specification Extra Large Vial	Panel size/s/ Maximum (With x Panel height (mm)) 308 x 570 mm	885123
Margin 10 mm all round		Stock View H-Corona 47gsm/ Teraqaque 50gsm
Folded dimensions 30.8 x 142.5 mm	Gutter distance 5 mm	Panel width 142.5 mm
Prepared by	Verified by	Authorised by
Date	Date	Date
Title	Title	Title

Paclitaxel Injection, USP (Patient Information Included)

WARNING: USP should be administered under the supervision of a physician experienced in the use of cancer chemotherapeutic agents. Appropriate management of complications is possible only when adequate diagnostic and treatment facilities are readily available. Anaphylaxis and severe hypersensitivity reactions characterized by dyspnea and hypotension requiring treatment, angioedema, and generalized urticaria have occurred in 2% of patients receiving paclitaxel in clinical trials. Fatal reactions have occurred in patients despite premedication. All patients should be pretreated with corticosteroids, diphenhydramine, and H₂ antagonists. (See **DOSE AND ADMINISTRATION** section.) Patients who experience severe hypersensitivity reactions to paclitaxel should not be rechallenged with the drug. Paclitaxel therapy should not be given to patients with solid tumors who have baseline neutrophil counts of less than 1,500 cells/mm³ and should not be given to patients with AIDS-related Kaposi's sarcoma of the baseline neutrophil count of less than 1,000 cells/mm³. In order to monitor the occurrence of bone marrow suppression, primary neutropenia, which may be severe and result in infection, it is recommended that frequent peripheral blood cell counts be performed on all patients receiving paclitaxel.

DESCRIPTION: Paclitaxel (Taxol, USP) is a clear, colorless to slightly yellow viscous solution. It is supplied as a nonaqueous solution intended for dilution with a suitable parenteral fluid prior to intravenous infusion. Paclitaxel is available in 30 mg (5 mL), 100 mg (16.2 mL), and 300 mg (50 mL) multidose vials. Each mL of sterile nonaqueous solution contains 6 mg paclitaxel, 57 mg of Polysorb 35 Castor Oil, NF, 49.7% (w/v) Dehydrated Alcohol, USP and 2 mg Citric Acid, USP. Paclitaxel is a natural product with antitumor activity. Paclitaxel is obtained via an extraction process from *Taxus media* Hedley. The chemical name for paclitaxel is: (1S,2S,3S,4S,6S,10S,11S,12S,13S,14S,15S,16S,17S,18S,19S,20S,21S,22S,23S,24S,25S,26S,27S,28S,29S,30S,31S,32S,33S,34S,35S,36S,37S,38S,39S,40S,41S,42S,43S,44S,45S,46S,47S,48S,49S,50S,51S,52S,53S,54S,55S,56S,57S,58S,59S,60S,61S,62S,63S,64S,65S,66S,67S,68S,69S,70S,71S,72S,73S,74S,75S,76S,77S,78S,79S,80S,81S,82S,83S,84S,85S,86S,87S,88S,89S,90S,91S,92S,93S,94S,95S,96S,97S,98S,99S,100S,101S,102S,103S,104S,105S,106S,107S,108S,109S,110S,111S,112S,113S,114S,115S,116S,117S,118S,119S,120S,121S,122S,123S,124S,125S,126S,127S,128S,129S,130S,131S,132S,133S,134S,135S,136S,137S,138S,139S,140S,141S,142S,143S,144S,145S,146S,147S,148S,149S,150S,151S,152S,153S,154S,155S,156S,157S,158S,159S,160S,161S,162S,163S,164S,165S,166S,167S,168S,169S,170S,171S,172S,173S,174S,175S,176S,177S,178S,179S,180S,181S,182S,183S,184S,185S,186S,187S,188S,189S,190S,191S,192S,193S,194S,195S,196S,197S,198S,199S,200S,201S,202S,203S,204S,205S,206S,207S,208S,209S,210S,211S,212S,213S,214S,215S,216S,217S,218S,219S,220S,221S,222S,223S,224S,225S,226S,227S,228S,229S,230S,231S,232S,233S,234S,235S,236S,237S,238S,239S,240S,241S,242S,243S,244S,245S,246S,247S,248S,249S,250S,251S,252S,253S,254S,255S,256S,257S,258S,259S,260S,261S,262S,263S,264S,265S,266S,267S,268S,269S,270S,271S,272S,273S,274S,275S,276S,277S,278S,279S,280S,281S,282S,283S,284S,285S,286S,287S,288S,289S,290S,291S,292S,293S,294S,295S,296S,297S,298S,299S,300S,301S,302S,303S,304S,305S,306S,307S,308S,309S,310S,311S,312S,313S,314S,315S,316S,317S,318S,319S,320S,321S,322S,323S,324S,325S,326S,327S,328S,329S,330S,331S,332S,333S,334S,335S,336S,337S,338S,339S,340S,341S,342S,343S,344S,345S,346S,347S,348S,349S,350S,351S,352S,353S,354S,355S,356S,357S,358S,359S,360S,361S,362S,363S,364S,365S,366S,367S,368S,369S,370S,371S,372S,373S,374S,375S,376S,377S,378S,379S,380S,381S,382S,383S,384S,385S,386S,387S,388S,389S,390S,391S,392S,393S,394S,395S,396S,397S,398S,399S,400S,401S,402S,403S,404S,405S,406S,407S,408S,409S,410S,411S,412S,413S,414S,415S,416S,417S,418S,419S,420S,421S,422S,423S,424S,425S,426S,427S,428S,429S,430S,431S,432S,433S,434S,435S,436S,437S,438S,439S,440S,441S,442S,443S,444S,445S,446S,447S,448S,449S,450S,451S,452S,453S,454S,455S,456S,457S,458S,459S,460S,461S,462S,463S,464S,465S,466S,467S,468S,469S,470S,471S,472S,473S,474S,475S,476S,477S,478S,479S,480S,481S,482S,483S,484S,485S,486S,487S,488S,489S,490S,491S,492S,493S,494S,495S,496S,497S,498S,499S,500S,501S,502S,503S,504S,505S,506S,507S,508S,509S,510S,511S,512S,513S,514S,515S,516S,517S,518S,519S,520S,521S,522S,523S,524S,525S,526S,527S,528S,529S,530S,531S,532S,533S,534S,535S,536S,537S,538S,539S,540S,541S,542S,543S,544S,545S,546S,547S,548S,549S,550S,551S,552S,553S,554S,555S,556S,557S,558S,559S,560S,561S,562S,563S,564S,565S,566S,567S,568S,569S,570S,571S,572S,573S,574S,575S,576S,577S,578S,579S,580S,581S,582S,583S,584S,585S,586S,587S,588S,589S,590S,591S,592S,593S,594S,595S,596S,597S,598S,599S,600S,601S,602S,603S,604S,605S,606S,607S,608S,609S,610S,611S,612S,613S,614S,615S,616S,617S,618S,619S,620S,621S,622S,623S,624S,625S,626S,627S,628S,629S,630S,631S,632S,633S,634S,635S,636S,637S,638S,639S,640S,641S,642S,643S,644S,645S,646S,647S,648S,649S,650S,651S,652S,653S,654S,655S,656S,657S,658S,659S,660S,661S,662S,663S,664S,665S,666S,667S,668S,669S,670S,671S,672S,673S,674S,675S,676S,677S,678S,679S,680S,681S,682S,683S,684S,685S,686S,687S,688S,689S,690S,691S,692S,693S,694S,695S,696S,697S,698S,699S,700S,701S,702S,703S,704S,705S,706S,707S,708S,709S,710S,711S,712S,713S,714S,715S,716S,717S,718S,719S,720S,721S,722S,723S,724S,725S,726S,727S,728S,729S,730S,731S,732S,733S,734S,735S,736S,737S,738S,739S,740S,741S,742S,743S,744S,745S,746S,747S,748S,749S,750S,751S,752S,753S,754S,755S,756S,757S,758S,759S,760S,761S,762S,763S,764S,765S,766S,767S,768S,769S,770S,771S,772S,773S,774S,775S,776S,777S,778S,779S,780S,781S,782S,783S,784S,785S,786S,787S,788S,789S,790S,791S,792S,793S,794S,795S,796S,797S,798S,799S,800S,801S,802S,803S,804S,805S,806S,807S,808S,809S,810S,811S,812S,813S,814S,815S,816S,817S,818S,819S,820S,821S,822S,823S,824S,825S,826S,827S,828S,829S,830S,831S,832S,833S,834S,835S,836S,837S,838S,839S,840S,841S,842S,843S,844S,845S,846S,847S,848S,849S,850S,851S,852S,853S,854S,855S,856S,857S,858S,859S,860S,861S,862S,863S,864S,865S,866S,867S,868S,869S,870S,871S,872S,873S,874S,875S,876S,877S,878S,879S,880S,881S,882S,883S,884S,885S,886S,887S,888S,889S,890S,891S,892S,893S,894S,895S,896S,897S,898S,899S,900S,901S,902S,903S,904S,905S,906S,907S,908S,909S,910S,911S,912S,913S,914S,915S,916S,917S,918S,919S,920S,921S,922S,923S,924S,925S,926S,927S,928S,929S,930S,931S,932S,933S,934S,935S,936S,937S,938S,939S,940S,941S,942S,943S,944S,945S,946S,947S,948S,949S,950S,951S,952S,953S,954S,955S,956S,957S,958S,959S,960S,961S,962S,963S,964S,965S,966S,967S,968S,969S,970S,971S,972S,973S,974S,975S,976S,977S,978S,979S,980S,981S,982S,983S,984S,985S,986S,987S,988S,989S,990S,991S,992S,993S,994S,995S,996S,997S,998S,999S,1000S,1001S,1002S,1003S,1004S,1005S,1006S,1007S,1008S,1009S,1010S,1011S,1012S,1013S,1014S,1015S,1016S,1017S,1018S,1019S,1020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1854S,1855S,1856S,1857S,1858S,1859S,1860S,1861S,1862S,1863S,1864S,1865S,1866S,1867S,1868S,1869S,1870S,1871S,1872S,1873S,1874S,1875S,1876S,1877S,1878S,1879S,1880S,1881S,1882S,1883S,1884S,1885S,1886S,1887S,1888S,1889S,1890S,1891S,1892S,1893S,1894S,1895S,1896S,1897S,1898S,1899S,1900S,1901S,1902S,1903S,1904S,1905S,1906S,1907S,1908S,1909S,1910S,1911S,1912S,1913S,1914S,1915S,1916S,1917S,1918S,1919S,1920S,1921S,1922S,1923S,1924S,1925S,1926S,1927S,1928S,1929S,1930S,1931S,1932S,1933S,1934S,1935S,1936S,1937S,1938S,1939S,1940S,1941S,1942S,1943S,1944S,1945S,1946S,1947S,1948S,1949S,1950S,1951S,1952S,1953S,1954S,1955S,1956S,1957S,1958S,1959S,1960S,1961S,1962S,1963S,1964S,1965S,1966S,1967S,1968S,1969S,1970S,1971S,1972S,1973S,1974S,1975S,1976S,1977S,1978S,1979S,1980S,1981S,1982S,1983S,1984S,1985S,1986S,1987S,1988S,1989S,1990S,1991S,1992S,1993S,1994S,1995S,1996S,1997S,1998S,1999S,2000S,2001S,2002S,2003S,2004S,2005S,2006S,2007S,2008S,2009S,2010S,2011S,2012S,2013S,2014S,2015S,2016S,2017S,2018S,2019S,2020S,2021S,2022S,2023S,2024S,2025S,2026S,2027S,2028S,2029S,2030S,2031S,2032S,2033S,2034S,2035S,2036S,2037S,2038S,2039S,2040S,2041S,2042S,2043S,2044S,2045S,2046S,2047S,2048S,2049S,2050S,2051S,2052S,2053S,2054S,2055S,2056S,2057S,2058S,2059S,2060S,2061S,2062S,2063S,2064S,2065S,2066S,2067S,2068S,2069S,2070S,2071S,2072S,2073S,2074S,2075S,2076S,2077S,2078S,2079S,2080S,2081S,2082S,2083S,2084S,208



Hospira Australia Pty Ltd	Leaflet specification Extra Large Vial	Panel size/s Maximum (With x Panel height (mm)) 308 x 570 mm	885123	
	Margin 10 mm all round	Stock View H-Corona 47gsm/ Teropaque 50gsm		
Version 3	Folded dimensions 30.8 x 142.5 mm	Gutter distance 5 mm	Panel width 142.5 mm	Panel height 30.8 mm
Prepared by	Verified by	Authorised by		
Date	Date	Date		
Title	Title	Title		

Table 11. Frequency of Important Adverse Events in the Phase 3 First-Line Ovarian Carcinoma Studies

	Percent of Patients			
	Intergroup T1523 ^a (n=159)	C75 ^b (n=159)	C75 ^b (n=159)	C75 ^b (n=159)
• Bone Marrow				
-Neutropenia	<2,000/mm ³	91 ^d	95 ^d	96
-Thrombocytopenia	<100,000/mm ³	31 ^d	33 ^d	30
-Anemia	<11 g/dL	8 ^d	9 ^d	9
-Infections	<1 g/dL	25	27	21
-Severe ^e		4	7	4 ^e
• Hypersensitivity Reaction^f				
-All ^g	11 ^d	6 ^d	6 ^d	14 ^d
-Severe ^e	1	1	2 ^d	2 ^d
• Neurotoxicity^h				
-Any symptoms	8 ^d	5 ^d	2 ^d	20
-Severe symptoms ⁱ	21 ^d	2 ^d	3 ^d	—
• Nausea and Vomiting				
-Any symptoms	88	93	65	69
-Severe symptoms ⁱ	18	24	10	11
• Myalgia/Arthralgia				
-Any symptoms	6 ^d	2 ^d	9 ^d	2 ^d
-Severe symptoms ⁱ	0 ^d	1 ^d	—	—
• Diarrhea				
-Any symptoms	3 ^d	2 ^d	16 ^d	8 ^d
-Severe symptoms ⁱ	2	3	4	1
• Asthenia				
-Any symptoms	NC	NC	1 ^d	10 ^d
-Severe symptoms ⁱ	NC	NC	1	1
• Alopecia				
-Any symptoms	96 ^d	89 ^d	55 ^d	37 ^d
-Severe symptoms ⁱ	51 ^d	21 ^d	6	8

^a Based on worst course analysis.
^b Paclitaxel (1 dose in mg/m²/infusion duration in hours).
^c Cyclophosphamide (C75 to cisplatin) in dose in mg/m².
^d <1.9% in the intergroup study.
^e <1.9% in the intergroup study.
^f All patients received premedication.
^g Severe events are defined as at least Grade III toxicity.
^h All patients received premedication.
ⁱ Severe events are defined as at least Grade III toxicity.

Second-Line Ovary: For the 403 patients who received single-agent Paclitaxel Injection, USP in the Phase 3 second-line ovarian carcinoma study, the following table shows the incidence of important adverse events.

Table 12. Frequency of Important Adverse Events in the Phase 3 Second-Line Ovarian Carcinoma Study

	Percent of Patients			
	1752 ^a (n=229)	1752 ^a (n=229)	1352 ^b (n=229)	1352 ^b (n=229)
• Bone Marrow				
-Neutropenia	<2,000/mm ³	78	90	79
-Thrombocytopenia	<100,000/mm ³	4	18	8
-Anemia	<11 g/dL	11	9	6
-Infections	<1 g/dL	26	29	20
-Severe ^c		2	0	2
• Peripheral Neuropathy				
-Any symptoms	63	60	55	42
-Severe ^c	2	0	2	1
• Myalgia/Arthralgia				
-Any symptoms	17	35	21	25
-Severe symptoms ^c	0	3	0	2

^a Based on worst course analysis.
^b Paclitaxel dose in mg/m²/infusion duration in hours with C-SP support cisplatin dose in mg/m².
^c Severe events are defined as at least Grade III toxicity.
^d Myelosuppression was dose and schedule related, with the schedule effect being more prominent. The development of severe hypersensitivity reactions (HSRs) was rare; 1% of the patients and 0.2% of the courses overall. There was no apparent dose or schedule effect seen for the HSRs. Peripheral neuropathy was dose-related, but schedule did not appear to affect the incidence.

Adjuvant Breast: For the Phase 3 adjuvant breast carcinoma study, the following table shows the incidence of important severe adverse events for the 1321 patients (total population) who were evaluable for safety as well as for a group of 223 patients (early population) who, per the study protocol, were monitored more intensively than other patients.

Table 13. Frequency of Important Severe Adverse Events in the Phase 3 Adjuvant Breast Carcinoma Study

	Percent of Patients			
	Early Population AC ^a (n=166)	AC ^a followed by T ^b (n=159)	Total Population AC ^a (n=151)	AC ^a followed by T ^b (n=150)
• Bone Marrow				
-Neutropenia	79	76	48	50
-Thrombocytopenia	27	22	11	11
-Anemia	17	21	8	8
-Infections	6	14	6	6
-Severe ^c	1	1	—	—
• Hypersensitivity Reaction^d	1	4	1	2
• Neurotoxicity	1	1	—	—
• Cardiovascular Events	1	2	1	2
• Myalgia/Arthralgia	—	2	—	3
• Nausea/Vomiting	13	18	8	9
• Mucositis	13	4	6	5

^a Based on worst course analysis.
^b Severe events are defined as at least Grade III toxicity.
^c Severe events are defined as at least Grade III toxicity.
^d All patients received premedication.
^e Paclitaxel (1 following 4 courses of AC at a dose of 175 mg/m² every 3 weeks for 3 courses and 1 course of AC at a dose of 175 mg/m² every 3 weeks for 3 courses).
^f The incidence of febrile neutropenia was not reported in this study.
^g All patients received premedication.

The incidence of an adverse event for the total population likely represents an underestimation of the actual incidence given that safety data were collected differently based on enrollment cohort. However, since safety data were collected consistently across regimens, the safety of the sequential addition of paclitaxel following AC therapy may be compared with AC therapy alone. Compared to patients who received AC alone, patients who received AC followed by paclitaxel experienced more Grade III/IV neurosensory toxicity, more Grade III/IV myalgia/arthralgia, more Grade III/IV neurologic pain (5% vs 1%), more Grade III/IV febrile symptoms (5% vs 3%), and more Grade III/IV hyperglycemia (3% vs 1%). During the additional 4 courses of treatment with paclitaxel, 2 deaths (0.1%) were attributed to treatment. During paclitaxel treatment, Grade IV neutropenia was reported for 13% of patients, Grade III/IV neurosensory toxicity for 15%, Grade III/IV myalgia for 23%, and alopecia for 46%.

The incidence of severe hematologic toxicities, infections, mucositis, and cardiovascular events increased with higher doses of doxorubicin.

Breast Cancer After Failure of Initial Chemotherapy: For the 458 patients who received single-agent paclitaxel in the Phase 3 breast carcinoma study, the following table shows the incidence of important adverse events by treatment arm (each arm was administered by a 3-hour infusion).

Table 14. Frequency of Important Adverse Events in the Phase 3 Study of Breast Cancer After Failure of Initial Chemotherapy or Within 6 Months of Adjuvant Chemotherapy

	Percent of Patients		
	1752 ^a (n=229)	1352 ^b (n=229)	
• Bone Marrow			
-Neutropenia	<2,000/mm ³	90	81
-Thrombocytopenia	<100,000/mm ³	28	19
-Anemia	<11 g/dL	11	7
-Infections	<1 g/dL	55	47
-Severe ^c		23	15
• Hypersensitivity Reaction^d			
-All ^e	36	31	31
-Severe ^c	9	12	11
• Peripheral Neuropathy			
-Any symptoms	70	46	46
-Severe symptoms ^c	7	9	7
• Mucositis			
-Any symptoms	23	17	17
-Severe symptoms ^c	3	<1	—

^a Based on worst course analysis.
^b Based on worst course analysis.
^c Severe events are defined as at least Grade III toxicity.
^d All patients received premedication.
^e Severe events are defined as at least Grade III toxicity.

First-Line NSCLC in Combination: In the study conducted by the Eastern Cooperative Oncology Group (ECOG), patients were randomized to either paclitaxel (175 mg/m² as a 24-hour infusion in combination with cisplatin 75 mg/m²) or paclitaxel (175 mg/m² as a 24-hour infusion in combination with cisplatin (C75 75 mg/m² with C-SP support, or cisplatin (C75 75 mg/m² on day 1, followed by etoposide (EP) 100 mg/m² on days 1, 2, and 3).

Table 15. Frequency of Important Adverse Events in the Phase 3 Study for First-Line NSCLC

	Percent of Patients			
	C1523 ^a (n=195)	T2502 ^a (n=195)	C75 ^b (n=197)	EP100 ^b (n=197)
• Bone Marrow				
-Neutropenia	<2,000/mm ³	89	86	84
-Thrombocytopenia	<normal	74 ^d	65	55
-Anemia	<normal	48	68	62
-Infections	<normal	94	96	95
-Severe ^e		22	19	28
• Hypersensitivity Reaction^f				
-All ^g	38	31	35	35
-Severe ^e	1	4 ^d	1	—
• Arthralgia/Myalgia				
-Any symptoms	21 ^d	42 ^d	9	—
-Severe symptoms ^e	3	11	1	—
• Nausea/Vomiting				
-Any symptoms	85	87	81	—
-Severe symptoms ^e	27	29	22	—
• Myelosuppression				
-Any symptoms	18	28	16	—
-Severe symptoms ^e	1	4	2	—
• Neurosensory Toxicity				
-Any symptoms	37	47	44	—
-Severe symptoms ^e	6	12	7	—
• Cardiovascular Events				
-Any symptoms	48	61	25	—
-Severe symptoms ^e	13	28 ^d	8	—

^a Based on worst course analysis.
^b Paclitaxel (1 dose in mg/m²/infusion duration in hours) with C-SP support cisplatin dose in mg/m².
^c Severe events are defined as at least Grade III toxicity.
^d Severe events are defined as at least Grade III toxicity.
^e Severe events are defined as at least Grade III toxicity.
^f All patients received premedication.
^g Severe events are defined as at least Grade III toxicity.

ECOG: In the study where paclitaxel was administered to patients with ovarian carcinoma at a dose of 175 mg/m²/24 hours in combination with cisplatin versus the control arm of cyclophosphamide plus cisplatin, the incidence of grade IV neutropenia and of febrile neutropenia were significantly greater in the paclitaxel plus cisplatin arm than in the control arm. Grade IV neutropenia occurred in 81% on the paclitaxel plus cisplatin arm versus 58% on the cyclophosphamide plus cisplatin arm, and febrile neutropenia occurred in 15% and 4% respectively. On the paclitaxel/cisplatin arm, there were 35 (20.1%) courses with fever in which Grade IV neutropenia was reported as compared with during the control. When paclitaxel followed by cisplatin was administered (T2502/75) than in the low-dose paclitaxel arm (T135/C75), treatment arm (T2502/75) than in the low-dose paclitaxel arm experienced more arthralgia/myalgia of any grade and more severe neutropenia. The incidence of febrile neutropenia was not reported in this study.

Kapost's Sarcoma: The following table shows the frequency of important adverse events in the 85 patients with KS treated with 2 different single-agent paclitaxel regimens.

Table 16. Frequency of Important Adverse Events in the AIDS-Related Kaposi's Sarcoma Studies

	Percent of Patients		
	Study C139-174 Paclitaxel 1352 ^a (n=29)	Study C139-201 Paclitaxel 1003 ^b (n=56)	
• Bone Marrow			
-Neutropenia	<2,000/mm ³	100	95
-Thrombocytopenia	<100,000/mm ³	57	27
-Anemia	<11 g/dL	17	5
-Infections	<1 g/dL	86	73
-Febrile Neutropenia		24	25
-Severe ^c		55	9
• Opportunistic Infection			
-Any	45	54	—
-Cryptosporidiosis	—	—	27
-Herpes Simplex	38	11	—
-Pneumocystis carinii	14	21	—
-Kaposi's sarcoma	—	—	4
-Candidiasis, esophageal	7	7	—
-Cryptosporidiosis	7	7	—
-Cryptococcal meningitis	3	2	—
-Leukoencephalopathy	—	2	—
• Hypersensitivity Reaction^d			
-All ^e	14	9	—
-Severe ^c	—	—	—
• Cardiovascular			
-Hypertension	17	9	—
-Bradycardia	3	—	—
• Peripheral Neuropathy			
-Any	79	46	—
-Severe ^c	2	4	—
• Myalgia/Arthralgia			
-Any	93	48	—
-Severe ^c	14	16	—
• Gastrointestinal			
-Nausea/vomiting	69	70	—
-Diarrhea	90	73	—
-Abuse	45	20	—
• Renal (creatinine elevation)			
-Any	34	18	—
-Severe ^c	—	—	—
• Discontinuation for drug toxicity			
-Any	7	16	—

^a Based on worst course analysis.
^b Based on worst course analysis.
^c Severe events are defined as at least Grade III toxicity.
^d All patients received premedication.
^e Severe events are defined as at least Grade III toxicity.

Cardiovascular and Hypertension: In the Phase 3 study, the frequency of hypertension and bradycardia were not influenced by prior antihypertensive therapy. Significant cardiovascular events possibly related to single-agent paclitaxel occurred in approximately 1% of all patients. These events included dyspnea, rhythm abnormalities with hypertension and venous thrombosis. One of the patients with syncope treated with paclitaxel at 175 mg/m² over 24 hours had progressive hypotension and died. The rhythmias included asymptomatic ventricular tachycardia, bigeminy and complete AV block requiring pacemaker placement. Among patients with NSCLC treated with paclitaxel in combination with cisplatin in the Phase 3 study, significant cardiovascular events occurred in 12 to 13%. This apparent increase in cardiovascular events is possibly due to an increase in cardiovascular risk factors in patients with lung cancer.

Neurologic: Severe neurologic events were common among patients at baseline. ECG abnormalities in study did not usually result in symptoms, were not dose-limiting, and required no intervention. ECG abnormalities were noted in 2% of all patients. Among patients with a normal ECG prior to study entry, 4% of all patients developed an abnormal tracing while on study. The most frequently reported ECG modifications were non-specific ST-segment abnormalities, sinus bradycardia, sinus tachycardia and premature beats. Among patients with normal ECGs at baseline, prior therapy with anticholinergics did not influence the frequency of ECG abnormalities.

Neurologic: The assessment of neurologic toxicity was conducted concurrently among the studies as evident from the data reported in each individual study (see Tables 10-16). Moreover, the frequency and severity of neurologic manifestations were influenced by prior and concomitant therapy with neurotoxic agents. As demonstrated in this table, toxicity was more pronounced in the study utilizing paclitaxel at a dose of 135 mg/m² every 3 weeks than in the study utilizing paclitaxel at a dose of 100 mg/m² every 2 weeks. Notably, severe neutropenia (10% vs 35%), febrile neutropenia (55% vs 9%), and opportunistic infections (76% vs 54%) were more common with the former dose and schedule. The difference between the 2 studies with respect to dose escalation and use of hematopoietic growth factors, as described above, should be taken into account. See **CLINICAL STUDIES: AIDS-Related Kaposi's Sarcoma**. Note also that only 20% of the 85 patients in this study receiving concurrent treatment with protease inhibitors, whose effect on paclitaxel metabolism has not yet been studied.

Adverse Event Experiences by Body System: The following discussion refers to the overall safety database of 812 patients with solid tumors treated with single-agent paclitaxel in clinical studies. Toxicities that were observed more frequently or frequently in previously untreated patients with ovarian carcinoma or NSCLC, who received paclitaxel in combination with cisplatin or in patients with breast cancer who received paclitaxel after docetaxel and cyclophosphamide in the adjuvant setting and that occurred with a difference that was clinically significant in these populations are also described. (See **PRECAUTIONS: Drug Interactions**.)

Neurologic: The frequency and severity of neurologic manifestations were dose, schedule dependent and were generally rapidly reversible. Among patients treated in the Phase 3 second-line ovarian study with 3-hour infusion, neurologic courses declined below 500 cells/mm³ in 14% of the patients treated with a dose of 135 mg/m² compared to 27% at a dose of 175 mg/m² (p=0.05). In the same study, severe neutropenia (≤500 cells/mm³) was more frequent with the 24-hour than with the 3-hour infusion; infusion duration had a greater impact on myelosuppression than dose. Neurotoxicity did not appear to increase with cumulative exposure and did not appear to be more frequent nor more severe for patients previously treated with radiation therapy.

Neurologic: In the study where paclitaxel was administered to patients with ovarian carcinoma at a dose of 135 mg/m²/24 hours in combination with cisplatin versus the control arm of cyclophosphamide plus cisplatin, the incidence of grade IV neutropenia and of febrile neutropenia were significantly greater in the paclitaxel plus cisplatin arm than in the control arm. Grade IV neutropenia occurred in 81% on the paclitaxel plus cisplatin arm versus 58% on the cyclophosphamide plus cisplatin arm, and febrile neutropenia occurred in 15% and 4% respectively. On the paclitaxel/cisplatin arm, there were 35 (20.1%) courses with fever in which Grade IV neutropenia was reported as compared with during the control. When paclitaxel followed by cisplatin was administered (T2502/75) than in the low-dose paclitaxel arm (T135/C75), treatment arm (T2502/75) than in the low-dose paclitaxel arm experienced more arthralgia/myalgia of any grade and more severe neutropenia. The incidence of febrile neutropenia was not reported in this study.

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	Study C139-174 Paclitaxel 1352 ^a (n=29)	Study C139-201 Paclitaxel 1003 ^b (n=56)	
• Bone Marrow			
-Neutropenia	<2,000/mm ³	100	95
-Thrombocytopenia	<100,000/mm ³	57	27
-Anemia	<11 g/dL	17	5
-Infections	<1 g/dL	86	73
-Febrile Neutropenia		24	25
-Severe ^c		55	9
• Opportunistic Infection			
-Any	45	54	—
-Cryptosporidiosis	—	—	27
-Herpes Simplex	38	11	—
-Pneumocystis carinii	14	21	—
-Kaposi's sarcoma	—	—	4
-Candidiasis, esophageal	7	7	—
-Cryptosporidiosis	7	7	—
-Cryptococcal meningitis	3	2	—
-Leukoencephalopathy	—	2	—
• Hypersensitivity Reaction^d			
-All ^e	14	9	—
-Severe ^c	—	—	—
• Cardiovascular			
-Hypertension	17	9	—
-Bradycardia	3	—	—
• Peripheral Neuropathy			
-Any	79	46	—
-Severe ^c	2	4	—
• Myalgia/Arthralgia			
-Any	93	48	—
-Severe ^c	14	16	—
• Gastrointestinal			
-Nausea/vomiting	69	70	—
-Diarrhea	90	73	—
-Abuse	45	20	—
• Renal (creatinine elevation)			
-Any	34	18	—
-Severe ^c	—	—	—
• Discontinuation for drug toxicity			
-Any	7	16	—

^a Based on worst course analysis.
^b Based on worst course analysis.
^c Severe events are defined as at least Grade III toxicity.
^d All patients received premedication.
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Cardiovascular and Hypertension: In the Phase 3 study, the frequency of hypertension and bradycardia were not influenced by prior antihypertensive therapy. Significant cardiovascular events possibly related to single-agent paclitaxel occurred in approximately 1% of all patients. These events included dyspnea, rhythm abnormalities with hypertension and venous thrombosis. One of the patients with syncope treated with paclitaxel at 175 mg/m² over 24 hours had progressive hypotension and died. The rhythmias included asymptomatic ventricular tachycardia, bigeminy and complete AV block requiring pacemaker placement. Among patients with NSCLC treated with paclitaxel in combination with cisplatin in the Phase 3 study, significant cardiovascular events occurred in 12 to 13%. This apparent increase