Pharma Mar, S.A., Sociedad Unipersonal Colmenar Viejo, Johnson & Johnson Pharmaceutical Research and Development (J&JPRD),

L.L.C.

Madrid, Spain Titusville, NJ 08560-0200, U.S.



## CLINICAL STUDY REPORT

## ET-B-027-06

PHASE II, MULTICENTER, OPEN-LABEL, CLINICAL TRIAL OF TRABECTEDIN (YONDELIS®) IN METASTATIC BREAST CANCER PATIENTS WITH TRIPLE NEGATIVE PROFILE (ER-, PR-, HER2-), HER2 OVEREXPRESSING TUMORS AND BRCA1 OR BRCA2 MUTATION CARRIERS

**Compound Number:** ET-743

**Investigational Medicinal Product:** Trabectedin (YONDELIS®)

**Study Design:** Open-label, prospective, multicenter, phase

II clinical trial

**Protocol Number:** ET-B-027-06

Study Start Date: 13 June 2007 (First consent signed)
Study Completion Date: 11 August 2011 (Date reported to the

Competent Authorities)

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**Earlier Approved Reports:** None

**Version:** Final version **Approval Date:** 11 March 2013

This study was conducted in compliance with Good Clinical Practice (GCP)

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## 2. SYNOPSIS

2. SYNOPSIS			
Name of	<b>Individual Study Table Referring to Part of</b>	(For National Authority Use only)	
Sponsor/Company:	the Dossier	•	
PharmaMar S.A., Sociedad			
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product:	0		
YONDELIS®			
Name of active			
ingredient(s):			
Trabectedin			
Protocol number	ET-B-027-06		
Title of the study		trial of Trabectedin (Yondelis®) in	
The of the study	Metastatic Breast Cancer Patients with triple		
	HER2 overexpressing tumors and BRCA1 or B		
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	Grzegorz Slomian, M.D. Spzoz Wojewodzki S		
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	Beatrice Uziely, M.D. Hadassah Medical Organ		
<b>Publication (references)</b>	At the time of this report no articles have be	een published on the study described	
	herein.		
	Preliminary results of this study were presented		
	• American Society of Clinical Oncology (ASCO) 45 <sup>th</sup> Annual Meeting (Orlando,		
	May 29-June 2). "Delaloge S, Tedesco K		
	Efrat N, Osborne C, Lebedinsky C, Terce		
	and activity results of trabectedin in a pha		
	(ER-, PR-, HER2-), HER2+++, or BRCA1	/2 germ-line-mutated metastatic breast	
	cancer (MBC) patients (pts). J Clin Oncol 2		

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ingredient(s):		
Trabectedin		th
	<ul> <li>American Society of Clinical Oncology (ASCO) 46<sup>th</sup> Annual Meeting (Chicago, June 4-8). "Tedesco KL, Blum JL, Goncalves A, Lubinski J, Ben-Baruch N, Osborne CR, Lardelli P, Tercero JC, Holmes FA, Delaloge S. A phase II trial of trabectedin (T) in patients (pts) with HER2-positive and BRCA1/2 germ-line-mutated metastatic breast cancer (MBC). <i>J Clin Oncol</i> 2010, 28(15 Supl): Abstract 1038".</li> <li>American Society of Clinical Oncology (ASCO) 47<sup>th</sup> Annual Meeting (Chicago, June 3-7). "Tedesco KL, Blum JL, Gonçalves A, Lubinski J, Osborne C, Lardelli P, Tercero JC, Flórez A, Holmes FA, Delaloge S. Final results of a phase II trial</li> </ul>	
	of trabectedin (T) in triple negative, HI	ER2 positive and RCA1/2 germ-line-
	mutated metastatic breast cancer (MBC)	
	Abstract 1125".	
Study period:	10.1	Phase of Development:
. First consent signed	13 June 2007	Phase II
. Last consent signed . First dose first cycle	28 December 2010 2 July 2007	Phase II
. First dose last cycle	27 June 2011	
. Last follow-up	11 July 2011	
. Date of completion	11 August 2011	
reported to authorities	-	
Study objectives	Primary:	
	<ul> <li>To determine the objective response rate by Response Evaluation Criteria In Solid Tumors (RECIST) [complete and partial response (CR + PR)] with trabectedin in patients with the following metastatic breast cancer subtypes:         <ul> <li>Group A: triple negative profile [estrogen receptor (ER)-, progesterone receptor (PR)-, human epidermal growth factor receptor-2 (HER-2)-].</li> <li>Group B: HER-2 overexpressing tumors (HER-2+).</li> <li>Group C: familial BRCA1 or BRCA2 mutation carriers.</li> </ul> </li> <li>Secondary:         <ul> <li>To assess the following in each group:</li> <li>Duration of response (DR).</li> </ul> </li> </ul>	
	<ul> <li>Progression-free survival (PFS).</li> <li>Exploratory evaluation of changes in tumor volume (three dimensional analysis)</li> </ul>	
	and changes in tumoral radiological density	
	Safety profile in this patient population.	
	• Exploratory, hypothesis-generating pharmacogenomic (PGx) analyses to correlate molecular parameters in patient samples with clinical outcomes (objective	
Mothodology	response and PFS) within and across patient strata.	
Methodology Number of patients	Open-label, prospective, multicenter, phase II clinical trial.	
(planned and analyzed)	Planned number of patients: One hundred and seven evaluable patients for the primary endpoint (confirmed	
	objective tumor response rate) were to be recruited into each group, therefore giving a total of 321 evaluable patients. A futility analysis based on the primary endpoint was conducted after 36 evaluable patients had been recruited in each group. Recruitment into each group was to be stopped if there were five or less responses at the time of the analysis.  Patients analyzed:  A total of 127 patients were included; of these, 124 were evaluable for safety and 112 for efficacy. The futility analyses showed no confirmed responses in Group A, four in	
	Group B, and six in Group C. The results were positive for Group C, but the recruitment rate was extremely slow (<10 patients per year). As a result, patient accrual into all three groups was stopped.	

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YONDELIS® Name of active		
ingredient(s):		
Trabectedin		
Diagnosis and main	Inclusion Criteria	
selection criteria	Patients who met all following criteria participated in the study:	
	1. Patient's written informed consent before any clinical trial-specific procedure.	
	2. Woman 18-years-of age, or older.	
	3. Histologically proven diagnosis of progressive metastatic breast cancer, either in	
	documented:	
	<ul> <li>Group A: triple negative phenotype [ER, PR and HER-2 negative status (surrogate of basal-like type)]. Patients were eligible if they had received prior</li> </ul>	
	therapy with an anthracycline and taxanes, including adjuvant or neoadjuvant	
	therapy, but no more than three prior chemotherapy regimens for metastatic	
	disease. NOTE: re-treatment with the same regimen or its components after a	
	progression-free interval of six months or longer was considered a second	
	regimen.	
	• Group B: HER-2 overexpressing breast cancer. Patients were eligible if they	
	had progressive metastatic disease following treatment with trastuzumab-based	
	regimens or other HER-2 targeted therapy containing regimens, but no more than three prior regimens that contain HER-2 directed therapy and	
	chemotherapy for metastatic disease were allowed. NOTE: re-treatment with	
	the same regimen or its components after a progression-free interval of six	
	months or longer was considered a second regimen.	
	• Group C: familial BRCA1 or BRCA2 mutation carriers. Patients were eligible	
	if they had developed progressive metastatic disease after at least one prior	
	chemotherapy regimen in the adjuvant or metastatic setting. There was no limit	
	to the maximal number of prior therapies allowed.  4. Measurable disease as defined in the RECIST guidelines. If the only indicator	
	lesion was in a previously irradiated area, the recurrence had to be biopsy proven.	
	5. Patients with bone metastases currently receiving bisphosphonates for palliation	
	were eligible if other sites of measurable disease were present.	
	<b>6.</b> Eastern Cooperative Oncology Group (ECOG) Performance Status (PS) 0 or 1.	
	7. Hematologic variables:	
	• Hemoglobin ≥ 9 g/dl.	
	<ul> <li>Absolute neutrophil count (ANC) ≥ 1,500/µl, and</li> <li>Platalet count &gt; 100,000/µl</li> </ul>	
	<ul> <li>Platelet count ≥ 100,000/µl.</li> <li>Serum creatinine ≤ 1.5 mg/dl or creatinine clearance ≥ 30 ml/min.</li> </ul>	
	9. Creatine phosphokinase (CPK) $\leq 2.5$ x upper limit of normal (ULN).	
	10. Hepatic function variables:	
	<ul> <li>Total bilirubin ≤ ULN.</li> </ul>	
	• Total alkaline phosphatase (AP) $\leq 2.5$ x ULN, or if $> 2.5$ x ULN, the AP liver	
	fraction had to be considered or gamma-glutamyltransferase (GGT) or 5'	
	nucleotidase had to be ≤ ULN, if the elevation could be osseous in origin.	
	• AST (serum aspartate aminotransferase) and ALT (serum alanine	
	aminotransferase) had to be $\leq 2.5$ x ULN. 11. Albumin $\geq 25$ g/l.	
	12. Complete recovery from the acute toxicity of any prior treatment. The presence of	
	alopecia or National Cancer Institute Common Toxicity Criteria (NCI-CTC)	
	grade 1 symptomatic peripheral neuropathy was allowed.	
	13. Patients could have central nervous system (CNS) metastases if stable (no	
	evidence of progression) for at least three months after local therapy.	
	Exclusion Criteria  Patients who met any of the following criteria were to be excluded from participating	
	Patients who met any of the following criteria were to be excluded from participating in the study:	
	1. Prior exposure to trabectedin.	
	2. Known hypersensitivity to any of the components of the trabectedin intravenous	
	(i.v.) formulation or dexamethasone.	

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<ol> <li>More than three prior chemotherapy regimens for metastatic disease for Groups A and B. NOTE: re-treatment with the same regimen or its components after a progression-free interval of six months or more was considered a second regimen.</li> <li>Pregnant or lactating women or any women of childbearing potential who was not employing adequate contraception. Acceptable methods of contraception included intrauterine device (IUD) and double barrier (condom with a contraceptive sponge or contraceptive suppository). Use of hormonal contraception was not acceptable during this clinical trial.</li> <li>Completion of prior therapy: less than two weeks from radiation therapy (radiated lesions could not serve as measurable disease) or last dose of hormonal therapy, less than three weeks from prior chemotherapy or biological therapy (all acute toxicities had to be adequately recovered as per inclusion criteria #12), less than four weeks with any investigational agent.</li> <li>History of another neoplastic disease (except basal cell carcinoma or squamous cell carcinoma of the skin or cervical carcinoma in situ adequately treated) unless in remission for five years or longer. Group C patients could be enrolled with less than five years remission from another neoplastic disease; however, appropriate biopsy confirming current metastasic breast cancer was mandatory.</li> <li>Patients with known leptomeningeal disease.</li> <li>Other serious illnesses, such as:         <ul> <li>Congestive heart failure or angina pectoris; myocardial infarction within one year before enrolment; uncontrolled arterial hypertension or arrhythmias.</li> <li>Psychiatric disorder that prevents compliance with protocol.</li> </ul> </li> </ol>	
Active viral hepatitis; or chronic liver disease.  Active infection	
9. Patients with a life expectancy of less than three months.	
Trabectedin was supplied by PharmaMar (Colmenar Viejo, Madrid, Spain) as a sterile lyophilized powder for concentrate for solution for infusion. It was administered as a 1.3 mg/m² 3-hour every three weeks (q3wk) i.v. infusion.  The following batches were used:  • 0.25-mg vial batches: #05C09, #05I01, #05I20, #06L14, #07A19, #08A16, #09J14 and #10G09.	
#08D07, #08D24, #08F19, #08I11, # #09K03, #09L17 and #9K217A.	#08K18, #09A14, #09C04, #09C11,
Trabectedin treatment was administered unti toxicity, patient refusal or treatment delay lor (except in case of obvious patient benefit). acceptable toxicity, no maximum number of clinical trial could also be discontinued administrative reasons, or Sponsor's decision.	nger than three weeks due to toxicity. In case of objective response and cycles of treatment was defined. The
Patients who had received a minimum of two one disease assessment after baseline (perform trabectedin administration) were evaluable for patient who experienced early disease progressis to response evaluation was considered evaluable efficacy was based on the confirmed objective each group of patients. Secondary endpoints of evaluation of changes in tumor volume and in the response rate, DR and PFS were evaluated according to the progression of t	ned at least six weeks after the start of for efficacy. In addition, any eligible ion or died of progressive disease prior e for response. The primary analysis of tumor response (i.e., CR or PR) rate in efficacy were DR, PFS and exploratory umoral radiological density. The tumor
	A. More than three prior chemotherapy regimand B. NOTE: re-treatment with the sam progression-free interval of six months or reacher of the progression of the prior of contraception of prior therapy: less than two lesions could not serve as measurable discless than three weeks from prior chemoth toxicities had to be adequately recovered four weeks with any investigational agent.  6. History of another neoplastic disease (excell carcinoma of the skin or cervical carcin remission for five years or longer. Grouthan five years remission from another ne biopsy confirming current metastasic breas.  7. Patients with known leptomeningeal diseas.  8. Other serious illnesses, such as:  • Congestive heart failure or angina pect year before enrolment; uncontrolled arte.  • Psychiatric disorder that prevents comple.  • Active viral hepatitis; or chronic liver die.  • Active infection.  • Any other unstable medical conditions.  9. Patients with a life expectancy of less than Trabectedin was supplied by PharmaMar (Coln yophilized powder for concentrate for solution to the progression of the pro

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Safety	All patients who had received at least part of o	ne trabectedin infusion were evaluable
	for safety. Safety parameters included the descri	ription of adverse events (AEs), serious
	adverse events (SAEs), laboratory measurement	ts and clinical examinations.
Pharmacogenomics	Pharmacogenomic analyses were conducted	
	patients' tumor samples with clinical outcome (	
Statistical methodology	Descriptive statistics were used for this open, n	
	variables were described in frequency tables usi	
	variables were described by median, minimum a	and maximum.
	Efficacy	t him
	For evaluation of the primary endpoint (objective stimator and its 95% confidence interval (CI)	
	parameters (DR and PFS) and their fixed-tin	
	1 -	the estimates were analyzed using the
	Kaplan-Meier method.  Changes in tumor volume (three dimensional analysis) and tumor radiological density.	
	Changes in tumor volume (three-dimensional analysis) and tumor radiological density were calculated by the independent central review and were assessed based on	
	preestablished thresholds.	
	Safety	
	Descriptive statistics were used to characterize the toxicity, drug-related deaths, SAEs	
	and toxicity-related treatment discontinuation profiles. AEs were graded according to	
	the NCI-CTC v.3.0 and coded with the Medical Dictionary for Regulatory Activities	
	(MedDRA) v.6.1.	
	<u>Pharmacogenomics</u>	
	All pharmacogenomic analyses were hypothesis-generating and exploratory. The first	
	of these analyses was to be conducted on the futility analysis population (see below).	
	Futility Analysis	
	A futility analysis was conducted after 36 evaluable patients had been recruited in each	
	group to give advice to the Sponsor regarding the conduct of the clinical trial. The cut-	
	off date for each futility analysis was 16 weeks after the first infusion date of the 36 <sup>th</sup>	
	evaluable patient in each group. At that time, the analyses were based on the primary	
	endpoint (objective tumor response rate). The O'Brien Fleming boundary was used for	
	each analysis. If there were five or less responses at the time of analysis, according to boundaries and sample size assumptions, the alternative hypothesis would be rejected	
Results (1):	and the recruitment of that group would be stopped.	
Patient characteristics	Group A (triple negative profile) Most patients (n=36, 72.0%) were Caucasian, their median age was 51 years (range,	
Tationt characteristics	27-77 years), and 26 (52.0%) had ECOG PS = 1	
	Most primary tumors were ductal carcinomas (r	
	at diagnosis were II (n=23, 46.0%) and III (n=	
	for ER, PR and HER-2 expression. The media	
	was 2 (range, 1-6 sites). The most common dise	ease locations were lymph nodes (n=31,
	62.0%), lung (n=21, 42.0%), liver (n=20, 40.0%)	and bone (n=10, 20.0%).
	Forty-four patients (88.0%) had previously re-	eceived radiotherapy. All patients had
	undergone previous surgery and received prior	
	combined with biological therapy (n=21, 42.0	
	agents of prior chemotherapy (including adjuva	
	(range, 1-5 lines) and five (range, 3-10 agents)	
	all patients had received prior anthracyclines an	d taxanes.
	Group B (HER-2 overexpressing tumors)	
	Most patients (n=35, 94.6%) were Caucasian,	
	38-75 years), and 16 (43.2%) had ECOG PS = 1	
	Most primary tumors were ductal carcinomas (r at diagnosis were II and III (n=15 each, 4)	
	expression. The median number of sites involv	
	expression. The median number of sites involv	ed per patient was 2 (range, 1-3 sites).

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	The most common disease locations were lymph nodes (n=20, 54.1%), liver (n=17,	
	45.9%), lung (n=16, 43.2%) and bone (n=16, 43.2%). Twenty-seven patients (73.0%) had previously received radiotherapy. All patients had	
	undergone previous surgery and received prior chemotherapy combined with anti-	
	HER-2 therapy alone (n=20, 54.1%) or with anti-HER-2 and hormone therapy (n=17,	
	45.9%). The median number of lines and agents of prior chemotherapy (including	
	adjuvant and neoadjuvant therapies) was three (range, 1-7 lines) and five (range, 1-7 lines) respectively. The most frequent prior entirences agents were tayanes (n=35).	
	agents), respectively. The most frequent prior anticancer agents were taxanes (n=35, 94.6%), anthracyclines (n=32, 86.5%), and pyrimidine analogues (n=30, 81.1%).	
	Group C (BRCA1/2 mutation carriers)	
	Most patients (n=38, 95.0%) were Caucasian, their median age	was 47 years (range,
	30-59 years), and 23 (57.5%) had ECOG PS = 1.	violvio motit- (20 00/)
	Most primary tumors were ductal carcinomas (n=35, 87.5%). Twelve patients (30.0%) had stage II disease and 15 (37.5%) had stage III disease at diagnosis. Fourteen	
	patients (35.0%) were positive for ER expression and 12 (30.0%) were positive for PR	
	expression. Seven patients (17.5%) were positive for HER-2 expression. All patients	
	in this group were positive for BRCA1 and/or BRCA2 mutation. The median number	
	of sites involved per patient was 2 (range, 1-6 sites). The most common disease	
	locations were lymph nodes (n=26, 65.0%), lung (n=19, 47.5%), liver (n=18, 45.0%) and bone (n=15, 37.5%).	
	Thirty-three patients (82.5%) had previously received radiotherapy. All patients had	
	undergone previous surgery and received prior chemotherapy alone (n=12, 30.0%) or	
	combined with biological therapy (n=13, 32.5%), with hormone therapy (n=9, 22.5%),	
	or with biological and hormone therapy (n=6, 15.0%). The median number of lines and agents of prior chemotherapy was four (range, 1-10 lines) and six (range, 1-10	
	agents), respectively. The most frequent prior anticancer agents were anthracyclines	
	(n=37, 92.5%) and taxanes (n=37, 92.5%).	
Results (2):	A total of 112 enrolled and treated patients in all three groups were evaluable for the	
Efficacy	primary efficacy endpoint (confirmed objective tumor response rate) by an	
	independent expert review.	
	No confirmed objective responses were obtained in 43 evaluable patients in Group A (triple negative profile). In Group B (HER-2 overexpressing tumors), four of 34	
	evaluable patients showed PR, thereby giving a confirmed objective tumor response	
	rate of 11.8% (95% CI: 3.3%-27.5%). Six of 35 evaluable patients in Group C	
	(BRCA1/2 mutation carriers) achieved PR, which resulted in a confirmed objective	
	tumor response rate of 17.1% (95% CI: 6.6%-33.6%).  Concerning the secondary efficacy endpoints, median DR was 12.5 months (95% CI:	
	6.2-14.7 months) in Group B, and was not reached (95% CI: 4.1 months – upper limit	
	not reached) in Group C. The longest median PFS was observed in Group C (3.9)	
	months; 95% CI, 1.6-5.5 months). In Group B it was 3.8 months (95% CI, 1.8-5.5	
	months) and Group A had the shortest median PFS (2.2 months; 95% CI, 1.3-2.7	
	months). Likewise, changes in tumor volume and tumor radiological density according to the independent central review were less common in Group A compared to the other	
	two groups. Changes in tumor volume were found in 4.0% of patients in Group A,	
	19.4% in Group B and 21.1% in Group C, while changes in tumoral radiological	
	density occurred in 32.0% of patients in Group A, 47.2% in group B and 44.7% in	
Populta (2)	Group C.  One hundred and twenty-four patients received at least one infusion of trabectedin in	
Results (3): Safety		
20101)	this study and therefore were evaluable for safety. The median number of cycles administered per patient was 3 (range, 1-29).	
	The most common AEs related to trabectedin were general and gastrointestinal	
	disorders: fatigue (66 patients, 53.2%; grade 3/4 in 12 patien	
	patients, 48.4%; grade 3 in two patients, 1.6%), constipation	
	grade 3 in two patients, 1.6%) and vomiting (31 patients, 2	3.0%; grade 3 in six

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Sponsor/Company:	the Dossier	(2 or 1, and not 12 and only)
PharmaMar S.A., Sociedad		
Unipersonal	Volume:	
J&JPRD		
Name of finished	Page:	
product:		
YONDELIS®		
Name of active		
ingredient(s):		
Trabectedin		
	patients, 4.8%). Thirty-eight patients (30.6%) the most frequent being fatigue (n=12, 9.7%).	
	vomiting (n=6, 4.8%). Most patients were able to continue treatment. Six patient discontinued treatment due to trabectedin-related AEs: grade 3 muscular weakness and grade 1 fatigue; grade 2 nausea, grade 2 dizziness), grade 2 dizziness, grade 3 fal (associated with the aforementioned grade 2 dizziness), grade 3 dehydration and grade 4 fatigue; grade 2 hepatotoxicity; grade 3 congestive cardiac failure; and grade 2 cardiac failure; and liver toxicity (reported as transient grade 1 ALT/AST increase; see below).  No deaths occurred due to trabectedin-related AEs.  Nineteen patients had trabectedin-related SAEs. They comprised grade 3/4 febrile neutropenia (n=4), grade 3/4 neutropenia (n=3), grade 2/3 anemia, grade pancytopenia, grade 4 thrombocytopenia, grade 2/3 congestive cardiac failure (n=2each), grade 3 aplasia, grade 4 leukopenia, grade 3 cardiac failure, grade 2 palpitations grade 3 nausea, grade 4 fatigue, grade 4 hepatotoxicity, grade 3 ejection fraction decreased, grade 4 transaminases increased, grade 3 dehydration, grade 3 renal failure acute, grade 3 deep venous thrombosis, grade 3 thrombosis, and grade 3 phlebitis (n=each). Most of these SAEs resolved without having any effects on trabectedin treatment: only four patients required cycle delays and/or dose reductions, and only three patients discontinued treatment.	
	The most common hematological abnormality was lymphopenia (106 patients) and anemia (103 from these abnormalities. Neutropenia was repoin 31 of them. In addition, nine patients had fappeared on Day 15 (range, 8-34) after dosing returned to grade ≤ 2 between Day 22 and Doconcomitant with other adverse events or abnotof treatment-related cycle delay and dose reductions of treatment-related cycle delay and dose reductions of Thrombocytopenia occurred in 53 patients and thrombocytopenia appeared on Day 15 (range, less days, and returned to >100 x 10 <sup>9</sup> /1 Thrombocytopenia was the reason for dose reduction in five patients. No treatment hematological abnormalities.	B patients). No dose reductions resulted in 92 patients and reached grade bebrile neutropenia. Severe neutropenic, most cases lasted 15 days or less are asy 28. Transient neutropenia alone commalities was the most common cause ction in this study. Febrile neutropenia none and three patients, respectively reached grade 4 in ten patients. Severe 8-22) after dosing, mostly lasted 15 of at >28 days after administration delay in nine patients and for dosing discontinuations occurred due
	The most frequent biochemical abnormality increases were found in 106 patients (grade 3/4 99 patients (grade 3 in 20 patients). Severe transport (range, 4-23 days for ALT and 4-15 days for ALT and 4	4 in 51 patients), and AST increases in assiminase increases appeared on Day AST) after dosing and mostly lasted 12. Transaminase increases caused cycleven patients. In addition, one patient ALT/AST increase. Other biochemical actions are also as a concomitantly with transaminase patients and dose reductions in threat one patient only, concomitantly with GT increase, and had no effects of a lin four patients; one of these patients developed bilirubin increase after with several antibiotic agents known to
Results (4):	Seventy-nine treated patients consented to u	
Pharmacogenomics	embedded tumor tissue samples were obtained was detected in samples from 16 patients, and	l from 65 of these patients. No tumo

Name of	Individual Study Table Referring to Part of	(For National Authority Use only)	
Sponsor/Company:	the Dossier	, , , , , , , , , , , , , , , , , , , ,	
PharmaMar S.A., Sociedad			
Unipersonal	Volume:		
J&JPRD			
Name of finished	Page:		
product:			
YONDELIS®			
Name of active			
ingredient(s):			
Trabectedin			
	was available for tumor samples from 44 patients: 22 from Group A, 12 from Group		
	B, and 10 from Group C.		
	High XPG mRNA expression was associated with a better outcome after trabectedin		
	treatment. All responder patients evaluated in the PGx substudy had XPG mRNA		
	expression > 2.54. Furthermore, patients with		
	longer median PFS compared to patients with		
	the overall PGx population (4.0 vs. 1.6 months		
	1.8 months; Groups B and C together: 4.9 vs. 1.		
Conclusions	No recommendation is given for further evaluation of trabectedin 1.3 mg/m <sup>2</sup> 3-hour		
	q3wk as treatment of patients with metastatic breast cancer negative for ER, PR and		
	HER-2 expression. Evidence of antitumor activity has been found for this trabectedin		
	dose and schedule in patients overexpressing HER-2 or with BRCA1 or BRCA2		
	mutations. XPG mRNA overexpression was associated with a better clinical outcome.		
	This trabectedin schedule has an acceptable tolerability, and most adverse reactions are		
	mild or moderate, reversible and predictable. No new safety issues were identified.		
Date of report	11 March 2013.		
(final version)			