

<p>These results are supplied for informational purposes only. Prescribing decisions should be made based on the approved package insert in the country of prescription</p>	
<p><b>Sponsor/company:</b> sanofi-aventis</p> <p><b>Generic drug name:</b> DOCETAXEL</p>	<p><b>ClinialTrials.gov Identifier:</b> NCT00258739</p> <p><b>Study Code:</b> TAX_ES1_209</p> <p><b>Date:</b> 06 October 2008</p>
<p><b>Title of the study:</b></p>	<p>“Randomized phase II study of concomitant treatment (radiotherapy and carboplatin-docetaxel) followed by docetaxel-gemcitabine versus docetaxel-gemcitabine followed by concomitant treatment (radiotherapy and carboplatin-docetaxel), for stage IIIB or IIIA non-small cell lung cancer”</p>
<p><b>Investigator(s):</b></p>	<p>Coordinating Investigators:</p> <p>Dr Garrido. Servicio de Oncología Médica (GECP) Hospital Ramón y Cajal Carretera de Colmenar Viejo Km 9.100. Madrid.</p> <p>Dr Ramos. Servicio de Oncología Radioterápica (GICOR) Hospital Ramón y Cajal. Carretera de Colmenar Viejo Km. 9100. Madrid</p> <p>Dr Rosell. Servicio de Oncología Médica (GECP) Hospital Germans Trias i Pujol. Carretera del Canyet s/n. Badalona (Barcelona)</p> <p>Dr Arellano. Servicio de Oncología Radioterápica Hospital Germans Trias i Pujol. Carretera del Canyet s/n. Badalona (Barcelona).</p>

<b>Study center(s):</b>	<ol style="list-style-type: none"> <li>1. Hospital Germans Trias I Pujol - SPAIN</li> <li>2. Hospital Virgen de los Lirios - SPAIN</li> <li>3. Hospital General de Alicante - SPAIN</li> <li>4. Hospital Marqués de Valdecilla - SPAIN</li> <li>5. Institut Català d'Oncologia - SPAIN</li> <li>6. Hospital Ramón y Cajal - SPAIN</li> <li>7. Hospital General de Albacete - SPAIN</li> <li>8. Hospital Gregorio Marañón - SPAIN</li> <li>9. Hospital Arnau de Vilanova de Valencia - SPAIN</li> <li>10. Hospital Fundación Alcorcón - SPAIN</li> <li>11. Hospital Fundación Jiménez Díaz - SPAIN</li> <li>12. Hospital General de Mataró - SPAIN</li> <li>13. Hospital Lozano Blesa - SPAIN</li> <li>14. Hospital Carlos Haya - SPAIN</li> <li>15. Hospital del Mar - SPAIN</li> </ol>		
<b>Publications (reference):</b>	N/A		
<b>Study period:</b> Date first <b>patient</b> enrolled: 19-Oct-2001 Date last <b>patient</b> completed: 05-Sep-2007	<b>Phase of development:</b> Phase II		
<b>Objectives:</b>	<p><b>Primary :</b>  To classify the two test arms according to the tumor response rate.</p> <p><b>Secondary :</b>  To evaluate the local control rate at 1 year.  To calculate the progression free survival (PFS).  To calculate the overall survival (OS).  To evaluate the safety profile.</p>		
<b>Methodology:</b>	After having checked all eligibility criteria, patients will be randomly assigned to receive either concomitant treatment (radiotherapy and docetaxel-carboplatin: RDC) followed by docetaxel-gemcitabine (DG) or DG followed by RDC.		
<b>Number of patients</b>	Planned: 140 patients	Randomized: 139 (70 on arm B and 69 on arm C)	Treated: 135 (67 on arm B and 68 on arm C)
<b>Evaluated:</b>	Efficacy: 135 (67 on arm B and 68 on arm C)	Safety: 135 (67 on arm B and 68 on arm C)	



	<p>Regarding these considerations, and following the Fleming's single stage method, a sample size of 70 eligible patients per treatment arm was planned to detect an improvement in the response rate from 66 to 85%, with a power of 80% at a significance level for two-sided test with alpha of 0.05</p> <p>Randomization was centralized, without patients' stratification. Chi-square tests were used to compare categorical variables between treatment groups. For continuous variables, Student's t tests were used. The Kaplan-Meier method was used to estimate survival curves, and the log-rank test to compare the curves. Cox proportional hazards modeling was used to calculate hazard ratios and 95% confidence intervals (CI). All randomized patients were included in an intention-to-treat analysis; patients who canceled before the initiation of therapy were excluded from the toxicity analyses.</p> <p>The safety of the treatments will be assessed by analyzing the frequency and type of adverse events, including serious ones, and the overall management of adverse events, e.g., dose reductions/delays and supportive measures.</p> <p>The SAS statistical pack was used to make all analyses.</p>
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<b>Summary:</b>																																								
Efficacy results:	<p><i>Response to treatment</i></p> <p>Four patients were non-evaluable for efficacy, three on B arm and one on C arm, because they do not receive any dose of study treatment. The best response observed during the complete treatment in each group is summarized in table 1. In the intent-to-treat analysis, where all treated patients were included (135 patients), the overall response rates on B and C arms were 56.7% (95% CI, 44.0 to 68.8%) and 57.4% (95% CI, 44.8 to 69.3%), respectively; no statistically significant differences were detected (<math>p = 0.94</math>). A locoregional control was reached in 25 patients (37.3%) included in arm B and in 36 (52.9%) included in arm C.</p> <p>Table 1. Best treatment response</p> <table border="1" data-bbox="550 786 1406 1279"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Arm B</th> <th colspan="2">Arm C</th> </tr> <tr> <th>No. of Patients</th> <th>%</th> <th>No. of Patients</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>CR</td> <td>3</td> <td>4.48</td> <td>5</td> <td>7.35</td> </tr> <tr> <td>PR</td> <td>35</td> <td>52.24</td> <td>34</td> <td>50.00</td> </tr> <tr> <td>SD</td> <td>10</td> <td>14.93</td> <td>16</td> <td>23.53</td> </tr> <tr> <td>PD</td> <td>12</td> <td>17.91</td> <td>9</td> <td>13.24</td> </tr> <tr> <td>NE</td> <td>7</td> <td>10.45</td> <td>4</td> <td>5.88</td> </tr> <tr> <td>Total</td> <td>67</td> <td>100.00</td> <td>68</td> <td>100.00</td> </tr> </tbody> </table> <p>CR: complete response; PR: partial response; SD: stable disease; PD: progressive disease, NE: non evaluable</p> <p><i>Survival analysis</i></p> <p>After a median follow-up of 12.2 months on B arm and 12.8 months on C arm, 49 patients (73%) had progressed or died on B arm and 46 (68%) on C arm. A 55% and 60% of patients remained alive 1 year after the inclusion on B and C arms, respectively (<math>p = 0.6</math>). The median progression free survival in B arm was 7.4 months (95% CI, 5.1 to 9.6 months) versus 9.0 months (95% CI, 7.5 to 18.1 months) in C arm (<math>p = 0.12</math>). The median overall survival was 13.2 months (95% CI, 8.8 to 16.5 months) in patients treated on B arm compared with 14.7 months (95% CI, 11.8 to 29.0 months) in C arm (<math>p = 0.17</math>).</p>		Arm B		Arm C		No. of Patients	%	No. of Patients	%	CR	3	4.48	5	7.35	PR	35	52.24	34	50.00	SD	10	14.93	16	23.53	PD	12	17.91	9	13.24	NE	7	10.45	4	5.88	Total	67	100.00	68	100.00
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<p>Safety results:</p>	<p>Four patients (3 on B arm and 1 on C arm) did not receive any treatment infusion, all of them due to incompliance with the inclusion criteria "stage IIIB or IIIA", detected after the randomization. Fifty-one patients (76.1%) in the B arm and fifty-five (80.9%) in the C arm, completed the proposed sequential treatment:</p> <ul style="list-style-type: none"> <li>• B arm: RDC (67 pts) → DG (51 pts).</li> <li>• C arm: DG (68 pts) → RDC (54 pts).</li> </ul> <p>Grade 3 and 4 toxic effects occurring at a frequency of 5% or more are shown in table 2. Noteworthy, grade 3-4 hematological toxicity was significantly more frequent in the B arm (p = 0.0047).</p> <p>Table 2. Maximum grade 3-4 toxicity occurring at a frequency <math>\geq</math> 5%, after treatment ending</p> <table border="1" data-bbox="550 772 1449 1527"> <thead> <tr> <th>Hematological</th> <th>Arm B (N = 67)</th> <th>Arm C (N = 68)</th> <th>p</th> </tr> </thead> <tbody> <tr> <td>Neutropenia</td> <td>13 (19.40 %)</td> <td>7 (10.29 %)</td> <td>0.1363</td> </tr> <tr> <td>Leucopenia</td> <td>8 (11.94 %)</td> <td>4 (5.88 %)</td> <td>0.2162</td> </tr> <tr> <td>Thrombopenia</td> <td>6 (8.96 %)</td> <td>2 (2.94 %)</td> <td>0.1649*</td> </tr> <tr> <td>Anemia</td> <td>4 (5.97 %)</td> <td>0 (0.0 %)</td> <td>0.0579*</td> </tr> <tr> <td><i>Subtotal</i></td> <td>24 (35.82 %)</td> <td>10 (14.71 %)</td> <td>0.0047</td> </tr> <tr> <td><b>Nonhematological</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Esophagitis</td> <td>12 (17.91 %)</td> <td>8 (11.76 %)</td> <td>0.3149</td> </tr> <tr> <td>Disnea</td> <td>7 (10.45 %)</td> <td>10 (14.71 %)</td> <td>0.4559</td> </tr> <tr> <td>No neutropenic infection</td> <td>11 (16.42 %)</td> <td>5 (7.35 %)</td> <td>0.1033</td> </tr> <tr> <td>Fatigue</td> <td>6 (8.96 %)</td> <td>7 (10.29 %)</td> <td>0.7920</td> </tr> <tr> <td>Mucositis</td> <td>6 (8.96 %)</td> <td>4 (5.88 %)</td> <td>0.5313*</td> </tr> <tr> <td>Pain</td> <td>3 (4.48 %)</td> <td>5 (7.35 %)</td> <td>0.7182*</td> </tr> <tr> <td><i>Subtotal</i></td> <td>41 (61.19 %)</td> <td>38 (55.88 %)</td> <td>0.5311</td> </tr> <tr> <td><b>Total</b></td> <td><b>47 (70.15 %)</b></td> <td><b>41 (60.29 %)</b></td> <td><b>0.2294</b></td> </tr> </tbody> </table> <p>*Fisher's test</p>	Hematological	Arm B (N = 67)	Arm C (N = 68)	p	Neutropenia	13 (19.40 %)	7 (10.29 %)	0.1363	Leucopenia	8 (11.94 %)	4 (5.88 %)	0.2162	Thrombopenia	6 (8.96 %)	2 (2.94 %)	0.1649*	Anemia	4 (5.97 %)	0 (0.0 %)	0.0579*	<i>Subtotal</i>	24 (35.82 %)	10 (14.71 %)	0.0047	<b>Nonhematological</b>				Esophagitis	12 (17.91 %)	8 (11.76 %)	0.3149	Disnea	7 (10.45 %)	10 (14.71 %)	0.4559	No neutropenic infection	11 (16.42 %)	5 (7.35 %)	0.1033	Fatigue	6 (8.96 %)	7 (10.29 %)	0.7920	Mucositis	6 (8.96 %)	4 (5.88 %)	0.5313*	Pain	3 (4.48 %)	5 (7.35 %)	0.7182*	<i>Subtotal</i>	41 (61.19 %)	38 (55.88 %)	0.5311	<b>Total</b>	<b>47 (70.15 %)</b>	<b>41 (60.29 %)</b>	<b>0.2294</b>
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