

Protocol Synopsis

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| Title of the study | Phase II study to confirm the effectiveness of Bendamustine in adjunct to Etoposide, Aracytin and Melphalan (BeEAM) as a preparative regimen for autologous stem cell transplantation in resistant/relapsed Aggressive B-cell non-Hodgkin Lymphoma patients. |
| Principal Investigator | Giuseppe Visani, MD |
| EUDRACT code | 2011-001246-14 |
| Type and number of subjects | Adult agressive <u>aggressive</u> B-cell non-Hodgkin lymphoma patients. |
| Primary Objective | <ul style="list-style-type: none"> • To assess the 1-year complete remission (CR) rate. |
| Secondary Objectives | <ul style="list-style-type: none"> • To assess the safety of the regimen • To assess the disease-free survival • To assess the overall survival |
| Study design | Open-label, non-randomized, multicentric, Phase II study |
| Number of patients and time frame | 100 patients will be enrolled in 12-18 months <u>66 patients will be enrolled</u> |
| Inclusion Criteria | <ul style="list-style-type: none"> • Aggressive B-Cell non-Hodgkin lymphoma patients either resistant or relapsed • Age >18 and <70 years • Signed Informed Consent • Karnofsky score > 70% • Adequate hematologic, renal, pulmonary and hepatic function. |
| Exclusion criteria | <ul style="list-style-type: none"> • HIV infection • Secondary lymphoma following prior chemotherapy/ radiotherapy or an active second malignancy • Pregnancy or nursing • Absence of patient's written informed consent • Current uncontrolled infections |

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| | <ul style="list-style-type: none"> • Intercurrent organ damage or medical problems that would interfere with therapy |
| Criteria for evaluation | <p><u>Safety:</u> Incidence of adverse events (graded according to WHO) and clinically significant abnormal laboratory value after BeEAM chemotherapy followed by the reinfusion of autologous hematopoietic stem cells</p> <p><u>Efficacy:</u> Assessment of the percentage of patients entering CR after BeEAM chemotherapy followed by the reinfusion of autologous hematopoietic stem cells. Disease-free survival. Overall survival.</p> |
| Chemotherapy Schedule | <ul style="list-style-type: none"> • Bendamustine 200 mg/m² on day -7 and -6 • Aracytin 400 mg/m² from day -5 to day -2 • Etoposide 200 mg/m² from day -5 to day -2 • Melphalan 140 mg/m² on day -1 • Autologous stem cell transplantation on day 0 <p>All patients will be hospitalized during the study treatment, until the complete hematological recovery has occurred.</p> |
| Statistical analysis | <p>This study is designed according to Fleming's method.</p> <p>The primary outcome is the 1-year Complete Remission Rate.</p> <p>Fixing the lowest acceptable rate as 55% and the successful rate as 70%, with a significance level $\alpha=0.05$ and a power $1-\beta = 0.90$ <u>0.80</u>, the sample size was estimated in <u>88</u> <u>64</u> patients.</p> <p>Considering a possible drop-out rate of <u>10</u><u>3</u>%, the number of patients entering the protocol is fixed to <u>100</u> <u>66</u>.</p> |