

## SYNOPSIS CLL3C PROTOCOL

### Primary objectives

Safety and feasibility of CAMPATH-1H added to (cohort 1) and, in addition, given for four weeks before (cohort 2) myeloablative therapy with PBSCT according to the CLL3 protocol.

### Secondary objectives

Clinical as well as molecular remission rate and duration. Overall survival.

### Design

Open, non-randomized, multi-center phase II cohort-study.

### Duration and patient number

Inclusion of 30 (15 per cohort) patients in 12 months. Interim analysis after 12 months.

### Inclusion criteria

Patients with CLL stage Binet B or C, or Binet A at high risk for disease progression (non-nodular marrow infiltration or lymphocyte doubling time < 12 months and thymidine kinase >7.0 U/L or  $\beta$ -2-microglobuline >3.5mg/L) with all of the following:

- PCR-amplifiable clonal CDRIII rearrangement of the *IgV<sub>H</sub>*
- age 18 - 60 years
- ECOG-performance status 0-1
- no concurrent disease resulting in major organ dysfunction
- written informed consent
- no previous therapy with Dexamethasone-BEAM
- no prior chemotherapy with more than one regimen or longer than 6 months

### Treatment schedule (cohort 1: patients 1 to 15)

1. Registration at GCLLSG Study Office, staging, samples for central assessment.
2. Cytoreductive treatment, preferentially according to the FC regimen (2 to 4 cycles).
3. If CR or PR and blood lymphocytes < 10/nL: mobilization with Dexamethasone-BEAM + G-CSF.
4. Collection of: i) unmanipulated PBSC graft (>2x10<sup>6</sup>/kg CD34+ cells), ii) unmanipulated back-up (>2x10<sup>6</sup>/kg CD34+ cells and >1x10<sup>7</sup>/kg CD3+ cells), iii) separate T-cell back-up (optional).
5. If CR or VGPR: Myeloablative therapy with TBI (e.g. 12 Gy) and cyclophosphamide (2 x 60 mg/kg; days -4 to -3) in combination with CAMPATH-1H (days -10 to -8: dose escalation 3, 10, 30 mg; days -6, and -4: 30 mg) and PBSCT (day 0).
6. Prophylaxis with trimethoprim/sulfamethoxazole DS (e.g. Cotrim forte®) three times a week and valaciclovir (e.g. Valtrex®) 3x500mg per day or equivalents for at least six months after PBSCT. Weekly CMV pp65 monitoring and preemptive therapy.
7. Clinical, laboratory and imaging studies (as indicated) and molecular follow-up (CDRIII PCR, blood and marrow) at 1, 3, 6, 12 months after PBSCT and six-monthly thereafter.

### Treatment schedule (cohort 2: patients 16 to 30) as above except

5. If CR or VGPR: CAMPATH-1H dose escalation 3 to 30 mg daily, then 30 mg three times weekly for four weeks. Thereafter myeloablative therapy as cohort 1 (see 5. above).

### Evaluation criteria and endpoints

Safety: Treatment-related morbidity and mortality.

Feasibility: Patients enrolled and treated according to protocol.

Efficacy: Clinical and molecular remission rates and duration.