

## Acute lymphoblastic leukaemia: CALGB Study 8811/9111 schema<sup>1,2</sup>

### Course I: Induction (course duration: 4 weeks)

CYCLOPHOSPHamide*	IV	1200 mg/m <sup>2</sup>	Day 1
DAUNOrubicin*	IV	45 mg/m <sup>2</sup>	Days 1 to 3
vinCRISTine	IV	2 mg	Days 1, 8, 15, 22
Prednisolone*	PO	60 mg/m <sup>2</sup> / day	Days 1 to 21 then taper and cease
Asparaginase (Colaspase)	SC	6000 IU/m <sup>2</sup>	Days 5, 8, 11, 15, 18, 22
Filgrastim	SC	5 microgram/kg/day	Commence day 4 and continue until ANC >1.0 x10 <sup>9</sup>

### \*Dose reductions for patients aged greater than or equal to 60 years (see below)

CYCLOPHOSPHamide	IV	800 mg/m <sup>2</sup>	Day 1
DAUNOrubicin	IV	30 mg/m <sup>2</sup>	Days 1 to 3
Prednisolone	PO	60 mg/m <sup>2</sup> / day	Days 1 to 7 then taper and cease

### Course IIA and IIB: Early Intensification (course duration: 4 weeks, repeat once ie. Course IIA and IIB)

Intrathecal methotrexate	IT	15 mg	Day 1
CYCLOPHOSPHamide	IV	1000 mg/m <sup>2</sup>	Day 1
Mercaptopurine	PO	60 mg/m <sup>2</sup> / day	Days 1 to 14
Cytarabine	SC	75 mg/m <sup>2</sup> / day	Days 1 to 4 and 8 to 11
vinCRISTine	IV	2 mg	Days 15 and 22
Asparaginase (Colaspase)	SC	6000 IU/m <sup>2</sup>	Days 15, 18, 22, 25

### Course III: CNS prophylaxis and Interim Maintenance (course duration: 12 weeks)

Cranial irradiation		24 Gy	Days 1 to 12
Intrathecal methotrexate	IT	15 mg	Days 1, 8, 15, 22, 29
Mercaptopurine	PO	60 mg/m <sup>2</sup> / day	Days 1 to 70
Methotrexate	PO	20 mg/m <sup>2</sup>	Days 36, 43, 50, 57, 64

### Course IV: Late intensification (course duration: 8 weeks)

DOXOrubicin	IV	30 mg/m <sup>2</sup>	Days 1, 8, 15
vinCRISTine	IV	2 mg	Days 1, 8, 15
Dexamethasone	PO	10 mg/m <sup>2</sup> / day	Days 1 to 14 then taper and cease
CYCLOPHOSPHamide	IV	1000 mg/m <sup>2</sup>	Day 29
Thioguanine	PO	60 mg/m <sup>2</sup> / day	Days 29 to 42
Cytarabine	SC	75 mg/m <sup>2</sup> / day	Days 29 to 32, 36 to 39

### Course V: Prolonged maintenance (repeat every 28 days until 24 months from diagnosis)

vinCRISTine	IV	2 mg	Day 1
Prednisolone	PO	60 mg/m <sup>2</sup> / day	Days 1 to 5
Mercaptopurine	PO	60 mg/m <sup>2</sup> / day	Days 1 to 28
Methotrexate	PO	20 mg/m <sup>2</sup>	Days 1, 8, 15, 22

- Larson, R. A., R. K. Dodge, C. P. Burns, et al. 1995. "A five-drug remission induction regimen with intensive consolidation for adults with acute lymphoblastic leukemia: cancer and leukemia group B study 8811." *Blood*. 85(8):2025-2037.
- Larson R. A., R. K. Dodge, C.A. Linker, et al. 1998. "A randomized controlled trial of filgrastim during remission induction and consolidation chemotherapy for adults with acute lymphoblastic leukemia: CALGB study 9111." *Blood* 92(5):1556-1564.