### Course I (Induction)
- **Dasatinib**: 140 mg oral daily
- **Dexamethasone**: 10 mg/m²/d oral/IV day 1-7

**Bone marrow biopsy Day 15 (I-15)**
- ≤20% lymphoblasts
- >20% lymphoblasts

### Course IIA
- **Dasatinib**: 140 mg PO daily
- **Dexamethasone**: 10 mg/m²/d oral/IV day 1-7

**Bone marrow biopsy Day 22 (II-22)**
- CR/CRi
- No CR/CRi

### Course IIB
- **Dasatinib**: 140 mg PO daily continuous
- **Dexamethasone**: 10 mg/m²/d PO/IV day 1-7

**Vincristine**: 2 mg IV day 1, 8, 15

**Daunorubicin**: 30 mg/m² IV day 1, 8, 15

**Bone marrow biopsy Day 29 (III-29)**
- ≥20% lymphoblasts

### Course III
- **Dasatinib**: 140 mg PO daily continuous
- **Cyclophosphamide**: 1,000 mg/m² IV day 1
- **Vincristine**: 2 mg IV day 1, 8
- **Daunorubicin**: 30 mg/m² IV day 1, 8
- **Dexamethasone**: 10 mg/m²/d PO/IV day 1-7
- **G-CSF**: until ANC >1,000/mcL

**Bone marrow biopsy Day 43 (IV-43)**

### Course IV (CNS Prophylaxis)
- **Vincristine**: 2 mg IV day 1, 15, 29
- **Methotrexate**: 500 mg/m² IV day 1, 15, 29
- **Methotrexate**: 25 mg/m² PO q6hours (4 doses/day) day 1, 2, 15, 16, 29, 30
- **Methotrexate**: 15 mg IT day 1, 15, 29
- **G-CSF**: 5 mcg/kg/day staring day 14

### Course V
- **Age 18-70, HLA-matched donor**
- **Allogeneic HCT**
  - ** Conditioning**
    - Fludarabine 30 mg/m²/day IV day -7, -6, -5, -4, -3
    - Alemtuzumab 20 mg/day IV day -7, -6, -5, -4, -3
    - Melphalan 140 mg/m² IV day -2
  - **Post HCT GVHD Prophylaxis**
    - Tacrolimus CIV/PO for serum trough 10-20 ng/mL

- **Autologous HCT**
  - **Mobilization**
    - Elopsoide 10 mg/kg/day CIV day 1-4 (age >65, 5 mg/kg/day)
    - Cytarabine 2 g/m² IV q12 hours x 8 days 1-4 (age >65, 1 g/m²)
    - G-CSF 10 mcg/kg/day starting day 14 until collection of ≥5 x 10⁶ CD34+ cells/kg
  - **Autologous HCT Conditioning**
    - Melphalan 100 mg/m²/day IV day -2, -1

- **Day 0 = hematopoietic cell infusion**

### Course VI (Maintenance)
- **Allogeneic HCT**
  - Dasatinib 50-100 mg PO daily starting day +30
  - Continue for 12 months and 2 negative BCR-ABL1 QPCR 3 months apart

- **Autologous HCT**
  - Dasatinib 100 mg PO daily starting day +30
  - Continue for 12 months and until 2 negative BCR-ABL1 QPCR 3 months apart

### Alternative Chemotherapy
- **Etoposide**: 10 mg/kg/day CIV day 1-4 (age >65, 5 mg/kg/day)
- **Cytarabine**: 2 g/m² IV q12 hours x 8 days 1-4 (age >65, 1 g/m²)
- **G-CSF**: 5 mcg/kg/day staring day 14

- **Methotrexate**: 20 mg/m² PO weekly
- Continue for 12 months and 2 negative BCR-ABL1 QPCR 3 months apart
