

## Regimen Monograph

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## A - Regimen Name

**DANAFARBER(INT-PEG) Regimen**

Dana Farber (intensification phase-PEG)

**Disease Site**

Hematologic  
Leukemia - Acute Lymphoblastic (ALL)

**Intent**

Curative

**Regimen Category****evidence-informed :**

Regimen is considered appropriate as part of the standard care of patients; meaningfully improves outcomes (survival, quality of life), tolerability or costs compared to alternatives (recommended by the Disease Site Team and national consensus body e.g. pan-Canadian Oncology Drug Review, pCODR). Recommendation is based on an appropriately conducted phase III clinical trial relevant to the Canadian context OR (where phase III trials are not feasible) an appropriately sized phase II trial. Regimens where one or more drugs are not approved by Health Canada for any indication will be identified under Rationale and Use.

This **Regimen Abstract** is an **abbreviated** version of a Regimen Monograph and contains only top level information on usage, dosing, schedule, cycle length and special notes (if available). Information in regimen abstracts is accurate to the extent of the ST-QBP regimen master listings, and has not undergone the full review process of a regimen monograph. Full regimen monographs will be published for each ST-QBP regimen as they are developed.

**The information provided in this document is intended for use only in the management of adults with leukemia, and for cancer centres with expertise in treating acute leukemia.**

**Supplementary Public Funding**

[mercaptopurine](#)  
ODB - General Benefit (mercaptopurine)

**dexamethasone**

ODB - General Benefit (dexamethasone)

**pegaspargase**

New Drug Funding Program (Pegaspargase (Outpatient) - Adult Acute Lymphoblastic Leukemia (ALL) Lymphoblastic Lymphoma Mixed or Biphenotypic Leukemia)

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<b><u>DOXOrubicin</u></b>	30 mg /m <sup>2</sup>	IV	Day 1 (Cycles 1 to 7 only)
<b><u>vinCRISTine</u></b>	2 mg	IV	Day 1
<b>dexamethasone</b>	9 mg /m <sup>2</sup>	PO	BID; Days 1-5
<b><u>mercaptopurine</u></b>	50 mg /m <sup>2</sup>	PO	Days 1 to 14
<b><u>pegaspargase</u></b> <sup>†</sup>	1000-2000 units /m <sup>2</sup>	IV / IM	Day 1

<sup>†</sup> pegaspargase maximum dose = 3750 units

<b><u>methotrexate</u></b>	30 mg /m <sup>2</sup>	IV / IM	Days 1, 8, 15 (Cycles 8 to 10 only)
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**Cycle 6 Intrathecal (methotrexate + cytarabine + hydrocortisone):**

<b><u>methotrexate</u></b>	12 mg	IT	Day 1, Cycle 6 only
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and

<b><u>cytarabine</u></b>	40 mg	IT	Day 1, Cycle 6 only
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and

<b>hydrocortisone</b>	15 * mg	IT	Day 1, Cycle 6 only
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\*An alternative hydrocortisone dose of 50 mg IT may be used, based on local protocol (Methotrexate, cytarabine and hydrocortisone can be admixed in the same syringe. Also refer to local protocols.)

**The regimen details vary based on Ph status and patient age. Refer to local protocols.**

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## C - Cycle Frequency

### REPEAT EVERY 21 DAYS

For a total of 10 cycles

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## D - Premedication and Supportive Measures

**Antiemetic Regimen:** Moderate (D1 (Cycles 1-7))  
Minimal (D8, 15 (Cycles 1-7))  
Minimal (Cycle 8+)

### Other Supportive Care:

Also refer to [CCO Antiemetic Recommendations](#).

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## J - Administrative Information

Approximate Patient Visit	0.5 to 0.75 hour (with additional time on intrathecal days)
Pharmacy Workload (average time per visit)	31.424 minutes
Nursing Workload (average time per visit)	52.806 minutes

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## K - References

Storring JM, Minden MD, Kao S, et al. Treatment of adults with BCR-ABL negative acute lymphoblastic leukaemia with a modified paediatric regimen. Br J Haematol 2009;146(1):76-85.

DeAngelo DJ, Stevenson KE, Dahlberg SE, et al. Long-term outcome of a pediatric-inspired regimen used for adults aged 18-50 years with newly diagnosed acute lymphoblastic leukemia. Leukemia. 2015 Mar;29(3):526-34.

DeAngelo DJ et al. A Multicenter Phase II Study Using a Dose Intensified Pegylated-Asparaginase Pediatric Regimen in Adults with Untreated Acute Lymphoblastic Leukemia: A DFCI ALL Consortium Trial. Blood 2015 126:80 (Abstract).

PM-DFCI <60 ALL protocol Pegaspargase. Princess Margaret Cancer Centre. June 2021.

**December 2021** Defined patient group in Drug regimen section; added pegaspargase NDFP form; added ODB funding (mercaptopurine, dexamethasone)

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### M - Disclaimer

#### **Regimen Abstracts**

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#### **Regimen Monographs**

Refer to the [New Drug Funding Program](#) or [Ontario Public Drug Programs](#) websites for the most up-to-date public funding information.

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