

## Regimen Monograph

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## A - Regimen Name

# AALL1131(INTER MNT2) Regimen

Methotrexate (IT and oral)-Vincristine-Pegaspargase

**Disease Site** Hematologic  
Leukemia - Acute Lymphoblastic (ALL)

**Intent** Curative  
Palliative

**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** [pegaspargase](#)  
New Drug Funding Program (Pegaspargase (Outpatient) - Adult Acute

Lymphoblastic Leukemia (ALL) Lymphoblastic Lymphoma Mixed or Biphenotypic Leukemia) ([NDFP Website](#)) (Curative intent only )

### [calaspargase pegol](#)

New Drug Funding Program (Calaspargase Pegol (Outpatient) - Newly Diagnosed Acute Lymphoblastic Leukemia, Lymphoblastic Lymphoma or Mixed\_Biphenotypic Leukemia) ([NDFP Website](#))

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## B - Drug Regimen

<a href="#">methotrexate</a>	15 mg	IT	Days 1 and 31
<a href="#">vinCRISTine</a>	1.5 mg /m <sup>2</sup>	IV (maximum 2 mg)	Days 1, 11, 21, 31, 41
<a href="#">methotrexate</a>	*	IV	Day 1, 11, 21, 31, 41

\*Start with 100 mg/m<sup>2</sup> IV on day 1, then escalate by 50 mg/m<sup>2</sup> with each dose (days 11, 21, 31, 41)

[pegaspargase](#)<sup>^</sup> Refer to local protocols for dosing information

<sup>^</sup>May consider calaspargase pegol instead of pegaspargase. Switches may be considered based on product availability; however, patients should not be switched from pegaspargase to calaspargase pegol (or vice versa) for toxicity or silent inactivation.

Different asparaginase products are **not interchangeable** and dosing schedules are different. For example, giving calaspargase pegol at the same dose and frequency as pegaspargase may result in higher asparaginase activity exposures, which may increase toxicities. Refer to local protocols for dosing information.

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## C - Cycle Frequency

### SINGLE 56-DAY CYCLE

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**D - Premedication and Supportive Measures**

**Antiemetic Regimen:** Moderate (D1, 11, 21, 31, 41)  
Minimal (All other days)

**Other Supportive Care:**

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

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**J - Administrative Information**

Pharmacy Workload (average time per visit) 22.331 minutes

Nursing Workload (average time per visit) 50.489 minutes

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**K - References**

CADTH reimbursement recommendation: Calaspargase Pegol (Asparlas; acute lymphoblastic leukemia). Canadian Journal of Health Technologies 2024 January; 4(1).

CADTH reimbursement review. Calaspargase Pegol (Asparlas; acute lymphoblastic leukemia). Canadian Journal of Health Technologies 2024 April; 4(4).

Children's Oncology Group AALL1131 Protocol

Salzer WL, Burke MJ, Devidas M, et al. Toxicity associated with intensive postinduction therapy incorporating clofarabine in the very high-risk stratum of patients with newly diagnosed high-risk B-lymphoblastic leukemia: A report from the Children's Oncology Group study AALL1131. Cancer. 2018 Mar 15;124(6):1150-9.

**November 2024** Updated info on non-interchangeability of asparaginase formulations in section B

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**M - Disclaimer****Regimen Abstracts**

*A 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). It is intended for healthcare providers and is to be used for informational purposes only. It is not intended to constitute or be a substitute for medical advice, and all uses of the Regimen Abstract are subject to clinical judgment. Such information is provided on an "as-is" basis, without any representation, warranty, or condition, whether express, or implied, statutory or otherwise, as to the information's quality, accuracy, currency, completeness, or reliability, and Cancer Care Ontario disclaims all liability for the use of this information, and for any claims, actions, demands or suits that arise from such use.*

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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.*

*The information set out in the drug monographs, regimen monographs, appendices and symptom management information (for health professionals) contained in the Drug Formulary (the "Formulary") is intended for healthcare providers and is to be used for informational purposes only. The information is not intended to cover all possible uses, directions, precautions, drug interactions or adverse effects of a particular drug, nor should it be construed to indicate that use of a particular drug is safe, appropriate or effective for a given condition. The information in the Formulary is not intended to constitute or be a substitute for medical advice and should not be relied upon in any such regard. All uses of the Formulary are subject to clinical judgment and actual prescribing patterns may not follow the information provided in the Formulary.*

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*Some Formulary documents, such as the medication information sheets, regimen information sheets and symptom management information (for patients), are intended for patients. Patients should always consult with their healthcare provider if they have questions regarding any information set out in the Formulary documents.*

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