

Regimen Monograph

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A - Regimen Name

BSLF Regimen

Busulfan

Disease Site Hematologic - Myeloproliferative Neoplasms (MPNs)

Intent 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.

Supplementary Public Funding [busulfan](#)
ODB - General Benefit (busulfan - oral tablets)

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B - Drug Regimen

[busulfan](#) 2 mg PO Daily

Alternative schedule:

[busulfan](#) 4 to 6 mg PO Daily

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C - Cycle Frequency

Until desired response or intolerance, then stop. Should not be taken continuously.

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D - Premedication and Supportive Measures

Antiemetic Regimen: Minimal – No routine prophylaxis; PRN recommended

Other Supportive Care:

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

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K - References

Alvarez-Larrán A, Martínez-Avilés L, Hernández-Boluda JC, et al. Busulfan in patients with polycythemia vera or essential thrombocythemia refractory or intolerant to hydroxyurea. *Ann Hematol* 2014 Dec;93(12):2037-43.

Haanen C, et al. Treatment of polycythaemia vera by radiophosphorus or busulphan: a randomized trial. *Br J Cancer*. 1981;44(1):75-80.

May 2019 Updated emetic risk category

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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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