

## Regimen Monograph

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## A - Regimen Name

# CISPGEMC+PEMB Regimen

CISplatin-Gemcitabine-Pembrolizumab

**Disease Site** Lung  
Non-Small Cell

(Squamous)

**Intent** Neoadjuvant

**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.

**Rationale and Uses** Neoadjuvant treatment for previously untreated, resectable early-stage (II, IIIA, or IIIB (N2 stage)) non-small cell lung cancer

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<a href="#">pembrolizumab</a>	200 mg	IV	Day 1
(This drug is not currently publicly funded for this regimen and intent)			
<a href="#">CISplatin</a>	75 mg /m <sup>2</sup>	IV	Day 1
<a href="#">gemcitabine</a>	1000-1250 mg /m <sup>2</sup>	IV	Days 1 and 8

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For 4 cycles unless disease progression or unacceptable toxicity occurs

Refer to PEMB for adjuvant treatment phase.

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**Antiemetic Regimen:** High (Day 1)  
Low (Day 8)

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

**Pembrolizumab Premedication (prophylaxis for infusion reactions):**

- Routine pre-medication is not recommended.
- May consider antipyretic and H1-receptor antagonist in patients who experienced a grade 1-2 infusion reaction.

**Other Supportive Care:**

- **Screen for hepatitis B virus in all cancer patients starting systemic treatment.** Refer to the [hepatitis B virus screening and management](#) guideline.
- All patients should receive adequate hydration and premedication for emesis, according to

local guidelines.

- Avoid the use of corticosteroids or immunosuppressants before starting pembrolizumab treatment.

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## J - Administrative Information

Approximate Patient Visit	Day 1: 4.75 to 5.75 hours; Day 8: 0.75 hours
Pharmacy Workload (average time per visit)	37.77325 minutes
Nursing Workload (average time per visit)	47.91667 minutes

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## K - References

Wakelee H, Liberman M, Kato T, et al. Perioperative pembrolizumab for early-stage non-small-cell lung cancer. *N Engl J Med* 2023 Aug 10;389(6):491-503.

**August 2024** new ST-QBP regimen

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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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