

Regimen Monograph

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A - Regimen Name

CRBPPACL(RT) Regimen

CARBOplatin-PACLitaxel

Disease Site Gastrointestinal - Esophagus
Gastrointestinal - Gastric / Stomach

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.

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B - Drug Regimen

PACLitaxel	50 mg /m ²	IV	Days 1, 8, 15, 22, 29
CARBOplatin	AUC 2	IV	Days 1, 8, 15, 22, 29

Refer to Calvert formula under "Other Notes" section.

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C - Cycle Frequency

SINGLE COURSE

Concurrent with radiation therapy

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J - Administrative Information

Pharmacy Workload (average time per visit) 30.383 minutes

Nursing Workload (average time per visit) 44.833 minutes

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K - References

van Hagen P, Hulshof MC, van Lanschot JJ, et al. Preoperative chemoradiotherapy for esophageal or junctional cancer. N Engl J Med 2012;366(22):2074-84.

van Meerten E, Muller K, Tilanus HW, et al. Neoadjuvant concurrent chemoradiation with weekly paclitaxel and carboplatin for patients with oesophageal cancer: a phase II study. Br J Cancer 2006;94(10):1389-94.

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L - Other Notes

Calvert Formula

$$\text{DOSE (mg)} = \text{target AUC} \times (\text{GFR} + 25)$$

- AUC = product of serum concentration (mg/mL) and time (min)
- GFR (glomerular filtration rate) expressed as measured Creatinine Clearance or estimated from Serum Creatinine (by Cockcroft and Gault method or Jelliffe method)

(Calvert AH, Newell DR, Gumbrell LA, et al, Carboplatin dosage: Prospective evaluation of a simple formula based on renal function. J Clin Oncol, 1989; 7: 1748-1756)

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M - Disclaimer

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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