Regimen Monograph

Regimen Name | Drug Regimen | Cycle Frequency | Premedication and Supportive Measures | References | Other Notes | Disclaimer

A - Regimen Name

TMZL Regimen

Temozolomide

Disease Site

Gastrointestinal
- Neuroendocrine (GI)

Lung
- Neuroendocrine (Lung)

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

temozolomide

ODB - General Benefit (temozolomide)

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B - Drug Regimen

In patients without prior chemotherapy[1]:

temozolomide	200 mg /m²	PO	Daily, on Days 1-5

In patients *with* prior chemotherapy[1]:

temozolomide	150 mg /m²	PO	Daily, on Days 1-5

(1) Outpatient prescription in multiples of 5mg, 20mg, 100mg, 140mg and 250mg capsules.
(2) Start with 150 mg/m^2 in cycle 1. For cycle 2: In absence of hematologic toxicity and ≥ grade 3 of other toxicities in cycle 1, increase to 200mg/m^2 x 5 d starting from cycle 2. Otherwise, continue with 150mg/m^2 and do not escalate dose in subsequent cycles.

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C - Cycle Frequency

REPEAT EVERY 28 DAYS

Until evidence of stable disease, metastatic progression or unacceptable toxicity

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D - Premedication and Supportive Measures

Antiemetic Regimen: Moderate – Consider prophylaxis daily (>75mg/m2 OR ≤75mg/m2/day + RT)
Low – No routine prophylaxis; PRN recommended (≤75mg/m2/day)

Other Supportive Care:

Also refer to CCO Antiemetic Recommendations.

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K - References

Ekeblad S, Sundin A, Janson ET, et al. Temozolomide as monotherapy is effective in treatment of advanced malignant neuroendocrine tumors. Clin Cancer Res 2007;13(10):2986-91.

Olsen IH, Sørensen JB, Federspiel B, et al. Temozolomide as second or third line treatment of patients with neuroendocrine carcinomas. ScientificWorldJournal 2012;2012.

Temozolomide drug monograph, Cancer Care Ontario.

Welin S, Sorbye H, Sebjornsen S, et al. Clinical effect of temozolomide-based chemotherapy in poorly differentiated endocrine carcinoma after progression on first-line chemotherapy. Cancer 2011;117(20):4617-22.

PEBC Advice Documents or Guidelines

- Systemic Therapy for Unresectable Advanced or Metastatic Pancreatic and Midgut Neuroendocrine Tumours

June 2024 Updated PEBC guideline link

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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.

The format and content of the drug monographs, regimen monographs, appendices and symptom management information contained in the Formulary will change as they are reviewed and revised on a periodic basis. The date of last revision will be visible on each page of the monograph and regimen. Since standards of usage are constantly evolving, it is advised that the Formulary not be used as the sole source of information. It is strongly recommended that original references or product monograph be consulted prior to using a chemotherapy regimen for the first time.

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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