BC Cancer Protocol Summary for Treatment of Oral Mucositis Using BC Cancer Magic Mouthwash

Protocol Code SCMMW

Tumour Group Supportive Care

Contact Pharmacist Lisa Wanbon (VIC)

ELIGIBILITY:

Patients with diagnosis of oral mucositis caused by systemic anti-cancer therapy.

Drug acquisition: Magic mouthwash is considered a supportive treatment. It is not a BC Cancer benefit drug. Patients should fill their magic mouthwash prescription at a community pharmacy. It is covered as a BC PharmaCare Limited Coverage Benefit subject to usual PharmaCare rules and deductibles as well as the PharmaCare Compounded Prescription Pricing Policy (5.13). Physicians who currently have Special Authority exemption for ondansetron have received an exemption from the Special Authority process for BC Cancer Magic Mouthwash under the Product Identification Number 22123334. No Special Authority application needs to be submitted for this compound.

EXCLUSION:

Prevention of oral mucositis

TREATMENT:

Drug	Dose	BC Cancer Administration Guideline
diphenhydrAMINE liquid (12.5 mg/5 mL)	300 mL	20 mL swish and spit every
hydrocortisone injection (100 mg/2 mL)	2 mL	4-6 hours PRN
nystatin suspension (100,000 units/mL)	100 mL	or
distilled water	qs 1000 mL	20 mL swish and swallow every 4-6 hours PRN

Repeat treatment as needed.

EVIDENCE REVIEW:

- There is no standard formulation for magic mouthwash.
 Guidelines from the European Society for Medical Oncology (ESMO) 2015,
 Multinational Association of Supportive Care in Cancer (MASCC) 2014, and National Comprehensive Cancer Network (NCCN) 2008 have no recommendation for magic mouthwash ingredients due to insufficient evidence.
- 2. BC Cancer Magic Mouthwash formulation incorporates historically used ingredients:

Drug	Purpose	Evidence
diphenhydrAMINE	analgesic	efficacy and safety as an ingredient in magic mouthwash have been shown
hydrocortisone	anti-inflammatory	efficacy and safety not adequately studieduse suggested per expert opinions
nystatin	antifungal	 efficacy and safety not adequately studied use likely needed when a steroid is used per expert opinions

3. Expiry and Storage: There is no stability data available for extemporaneously prepared diphenhydrAMINE-hydrocortisone-nystatin mixture. In the absence of stability data that is applicable to a specific non-sterile compounded preparation, the National Association of Pharmacy Regulatory Authorities (NAPRA) recommends a beyond-use date to be not later than 14 days with storage at controlled cold temperatures.

PRECAUTION:

 Drowsiness: unlikely with the diphenhydrAMINE amounts used in BC Cancer Magic Mouthwash if preparation is for swishing and spitting. Higher concentrations of diphenhydrAMINE have been used in other magic mouthwash formulations with no significant drowsiness compared to placebo. If preparation is for swishing and swallowing, drowsiness may result.

Call tumour group delegate at (604) 877-6000 or 1-800-663-3333 with any problems or questions regarding this treatment program.

References:

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