

# BC Cancer Protocol Summary for Treatment of Malignant Mesothelioma with Vinorelbine

**Protocol Code:** LUMMVIN

**Tumour Group:** Lung

**Contact Physician:** Dr. Christopher Lee

## ELIGIBILITY:

- First-line treatment in individuals not candidates for platinum-based combination chemotherapy
- Second-line treatment in individuals previously treated with platinum-based combination chemotherapy

## EXCLUSIONS:

- More than one previous chemotherapy regimen

## TESTS:

- Baseline: CBC & differential, platelets, creatinine, [alkaline phosphatase](#), [ALT](#), [total bilirubin](#), [LDH](#)
- Before each treatment: CBC & differential, platelets
- If clinically indicated: creatinine, bilirubin prior to each cycle

## PREMEDICATIONS:

- See antiemetic guidelines for Rare emetogenic chemotherapy (see protocol SCNAUSEA). Antiemetics are not usually required. Prescribe according to patient specific symptoms.
- Hydrocortisone 100mg IV prior to vinorelbine if patient experiences pain on administration

## TREATMENT:

Drug	Dose	BC Cancer Administration Guideline
Vinorelbine	30 mg/m <sup>2</sup> /day on days 1 and 8	IV in 50 mL NS over 6 minutes

**Repeat every 21 days x 6 cycles**

## DOSE MODIFICATIONS:

### 1. Hematological:

ANC (x 10 <sup>9</sup> /L)		Platelets (x 10 <sup>9</sup> /L)	Vinorelbine Dose*
greater than or equal to 1.0	and	greater than or equal to 100	100%
0.5 to less than 1.0	or	75 to less than 100	75%
less than 0.5	or	less than 75	<b>Delay</b>

\*Consider decreasing vinorelbine to 75% or 22.5mg/m<sup>2</sup> if an episode of febrile neutropenia occurs with the prior cycle of treatment

### 2. Hepatic dysfunction:

Bilirubin (micromol/L)	Vinorelbine Dose
less than or equal to 35	100%
36-50	50%
greater than 50	25%

## PRECAUTIONS:

- Extravasation:** Vinorelbine causes pain and tissue necrosis if extravasated. It is recommended to flush thoroughly with 75-125 mL NS after infusing vinorelbine. Hydrocortisone 100mg IV prior to vinorelbine may be of benefit. Refer to [BC Cancer Extravasation Guidelines](#).
- Neutropenia:** Fever or other evidence of infection must be assessed promptly and treated aggressively.

**Call Dr. Christopher Lee or tumour group delegate at (604) 877-6000 with any problems or questions regarding this treatment program.**

## REFERENCES:

- Steele JP, Shamash J, Evans MT, et al. Phase II study of vinorelbine in patients with malignant pleural mesothelioma. *J Clin Oncol* 2000; 18: 3912-7.
- Muers MF, Stephens RJ, Fisher P, et al. Active symptom control with or without chemotherapy in the treatment of patients with malignant pleural mesothelioma (MS01): a multicentre randomised trial. *Lancet* 2008; 371: 1685-94.
- Stebbing J, Powles T, McPherson K, et al. The efficacy and safety of weekly vinorelbine in relapsed malignant pleural mesothelioma. *Lung Cancer* 2008; in press (doi:10.1016/j.lungcan.2008.04.001).