



### CODOX-M/IVAC (Magrath) regimen for Burkitt's lymphoma

The CODOX-M/IVAC (Magrath) regimen is composed of four cycles, each cycle lasting until the absolute neutrophil count returns to  $>1000/\mu\text{mol}$  and the platelet count  $>100,000/\mu\text{mol}$ . Cycles one and three are CODOX-M and cycles two and four are IVAC. Three cycles of CODOX-M are sufficient for patients with low-risk disease (ie, a single focus of disease  $<10\text{cm}$  in diameter and a normal serum lactate dehydrogenase level).

#### CODOX-M (cycles one and three):

Cyclophosphamide 800 mg/m<sup>2</sup> IV on day 1

Cyclophosphamide 200 mg/m<sup>2</sup> IV on days 2 through 5

Doxorubicin 40 mg/m<sup>2</sup> IV on day 1

Vincristine 1.5 mg/m<sup>2</sup> (no maximum dose) IV on days 1 and 8 (cycle 1) and days 1, 8, and 15 (cycle 3)

Methotrexate  $\rightarrow 2400$  1200 mg/m<sup>2</sup> IV over one hour on day 10, then  $\rightarrow 500 \times 23 = 11,500$  240 mg/m<sup>2</sup> per hour for the next 23 hours. Leucovorin rescue begins 36 hours from the start of the methotrexate infusion

Colony-stimulating factor started 24 after leucovorin rescue has begun and continues until the absolute neutrophil count is  $>1000/\mu\text{mol}$

Intrathecal medications:

intrathecal cytarabine 70 mg (if  $>3$  years of age) on days 1 and 3 : ~~400 Hydrocortisone~~ (2 cc)

intrathecal methotrexate 12 mg (if  $>3$  years of age) on day 15

#### IVAC (cycles two and four):

Ifosfamide 1500 mg/m<sup>2</sup> IV on days 1 through 5 with mesna uroprotection

Etoposide 60 mg/m<sup>2</sup> IV on days 1 through 5

Cytarabine 2.0 grams/m<sup>2</sup> IV every 12 hours on days 1 and 2 (four doses)

Colony-stimulating factor begins 24 hours after the completion of IV chemotherapy and continues until the absolute neutrophil count is  $>1000/\mu\text{mol}$

Intrathecal medication:

intrathecal methotrexate 12 mg (if over 3 years of age) on day 5

Magrath, I, et al. *J Clin Oncol* 1996; 14:925.

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