



VETERINARY ONCOLOGY CONSULTANTS

helping veterinarians treat pets with cancer

Chemotherapy Protocol Example Only; not for clinical use

Before using any protocol, review specific information on each chemotherapy drug

_____ Week 1	L-ASP _____ PRED ¹ _____	_____ Week 16:	CBC & biochem ^{1,3} _____ CCNU _____
_____ Week 2:	CBC* _____ VCR* _____ PRED ² _____	_____ Week 17:	CBC+ _____
_____ Week 3:	CBC ¹ _____ DOX _____ PRED ³ _____	_____ Week 19:	CBC & biochem ^{1,3} _____ CCNU _____
_____ Week 4:	CBC ² _____ L-ASP _____	_____ Week 23:	DOX _____
_____ Week 5:	CBC ¹ _____ VCR _____ CTX _____	_____ Week 26:	VCR _____ CTX _____
_____ Week 6:	CBC ² _____	_____ Week 29:	VCR _____ CTX _____
_____ Week 7:	CBC ¹ _____ VCR* _____ ACTINO _____ PRED ⁴ _____ PROCARB _____	_____ Week 32:	DOX _____
_____ Week 9:	CBC ¹ _____ PRED ³ _____	_____ Week 35:	VCR _____ CTX _____
_____ Week 11:	CBC ¹ _____ DOX _____	_____ Week 38:	CBC ¹ _____ VCR _____ CTX _____
_____ Week 14:	CBC ¹ _____ VCR _____ CTX _____	_____ Week 41:	MITO _____
		_____ Week 42:	CBC ² _____
		_____ Week 44:	VCR _____ CTX _____
		_____ Week 47:	CBC ¹ _____ VCR _____ CTX _____

Continue week 41-47 cycle every 4 weeks (no CBC+)

KEY:	L-ASP	L-asparaginase XX U/m ² SC (max dose = 10,000 U)
	VCR	Vincristine XX mg/m ² IV (*XX mg/m ² IV with ACTINO, and if neutrophils at week 2 are <3.0)
	DOX	Doxorubicin XX mg/m ² IV
	CTX	Cyclophosphamide XX mg/m ² IV + Furosemide 2-4 mg/kg IV
	ACTINO	Actinomycin D XX mg/m ² IV
	PROCARB	Procarbazine XX mg/m ² PO SID x 14 days (reformulated to nearest 10mg)
	CCNU	Lomustine XX mg/m ² PO
	MITO	Mitoxantrone XX mg/m ² IV
	PRED	Prednisolone ¹ 40 mg/m ² PO SID x 7 days ² 40 mg/m ² EOD x 7 days ³ 20 mg/m ² EOD x 7 days ⁴ 40 mg/m ² PO SID x 14 days

1. Only administer chemotherapy if neutrophil count is >3.0x10⁹/L
2. If neutrophil count is <1.0x10⁹/L, give prophylactic antibiotics and reduce all subsequent doses of either cyclophosphamide, CCNU, actinomycin-D, doxorubicin or mitoxantrone by 25%
3. If platelet count is < 200 x 10⁹/L or if liver enzymes (ALT) are elevated more than 3 times upper limit of normal or serum creatinine is elevated when CCNU is due, CCNU is discontinued

Note the doses in this protocol are for Puppy on today's date, and may not be appropriate for other animals.