

DATE: \_\_\_/\_\_\_/\_\_\_

TX # \_\_\_/\_\_\_

BODY WEIGHT IN LBS \_\_\_\_\_

CASE #:

BODY WEIGHT IN KGS \_\_\_\_\_

CLIENT NAME:

PATIENT NAME:

M<sup>2</sup> (FROM CONVERSION CHART) \_\_\_\_\_

**OSTEOSARCOMA CISPLATIN/DOXORUBICIN PROTOCOL-RAPID DIURESIS**  
**FOR DOGS ONLY!!!!**

<u>Drug</u>	<u>Dosage</u>	<u>This animal's calculated dose</u>
<b>DAY 1</b>		
<b>Cisplatin</b>	50 mg/m <sup>2</sup> IV q 3 weeks x 4 cycles	_____mg
Renal failure is a significant side effect with this drug, best prevented with aggressive diuresis: <b>Rapid: walk animal hourly, wear gloves to clean up urine</b>		
Pre-hydration:	0.9% NaCl at 20 mL/kg/hr x 4 hours	_____mL/hour
		_____total volume
Cisplatin:	diluted in saline at 7 mL/kg, given over 20 minutes	_____total volume
Post-hydration:	0.9% NaCl at 20 mL/kg/hr x 2 hours	_____mL/hour
		_____total volume

Post-administration nausea is common. At the beginning of cisplatin infusion, treat with **one:**  
Metoclopramide (5 mg/mL): 0.4 mg/kg SQ followed by 0.02 mg/kg/hour infusion in post-fluids  
Butorphanol (10 mg/mL): 0.4 mg/kg IM, can be repeated in 2-4 hours  
Prochlorperazine (5 mg/mL): 0.3 mg/kg SQ  
Ondansetron: (2 mg/mL) 0.1 mg/kg IV  
Dolasetron: (20 mg/mL) 0.3 mg/kg IV  
 Metoclopramide (10 mg tabs) 0.4 mg/kg PO q 6-8 hours or ondansetron (4, 8 mg tabs, 0.8 mg/mL solution) 0.1 mg/kg PO q 12-24 hours can be given over 24-48 hours following drug administration. Nausea is usually self-limiting.

**DAY 2**

<b>Doxorubicin</b> (2 mg/mL) (must go IV or severe slough will result - call clinician <b>immediately</b> if extravasation suspected)	15 mg/m <sup>2</sup> IV x 4 cycles given through IV catheter over 15-20 minutes	_____mg dilute to 0.5 mg/mL in saline
		total volume: _____mL

A baseline echocardiogram is recommended prior to the first treatment; doxorubicin is not recommended in the case of decreased myocardial function. If signs of pruritus or nausea develop, slow injection rate. If hypotension develops, treat with IV fluids and steroids.

20 minutes prior to giving doxorubicin, pre-medicate dog with :

<b>Dexamethasone</b> (2 mg/mL)	0.1 mg/kg SQ	_____mg	_____mL
<b>Thorazine</b> (25 mg/mL)	0.3 mg/kg SQ	_____mg	_____mL
(OR OTHER ANTIEMETIC)			

Prior to each administration, a CBC and creatinine should be performed. Please call about dosage adjustments if neutrophil count is < 2500, platelet count is < 80,000, or creatinine is > 1.2 mg/dL. A CBC should be performed 7-10 days after therapy. Broad spectrum antibiotics should be administered if neutrophil count is < 1500.

**PLEASE CONTACT THE ONCOLOGY SERVICE WITH ANY QUESTIONS AT**  
**phone:(334)-844-4690      fax: (334)-844-6034      Auburn University AL 36849**