

**"Practical"
Oncology
SEMINAR**

October 24 & 25, 2015 - Lufkin, TX

~~~~~

 **"Early Bird" Savings**  
through Sept. 22, 2015

*Be your very best when your patients need you the very most!*

17  
CE Hours

Sponsor:  
**ETVMA**

Dr. Wendy Blount

## Table Of Contents

|                                                            |                  |
|------------------------------------------------------------|------------------|
| <b>Section 1: Oncology Concepts</b>                        | <b>Red Tab</b>   |
| <b>PowerPoint Slides</b>                                   | 7 pages          |
| Definitions                                                | 1                |
| What Causes Cancer                                         | 2-3              |
| Treatment Modalities                                       | 3                |
| Cytology Basics                                            | 3-7              |
| <b>Reference Chart - Cytology Algorithm</b>                | 1 page           |
| <b>Section 2: Lymphoma</b>                                 | <b>White Tab</b> |
| <b>PowerPoint Slides</b>                                   | 20 pages         |
| Etiology of Lymphoma                                       | 1                |
| Clinical Signs of Lymphoma                                 | 1-11             |
| Ocular Lymphoma                                            | 1-2              |
| GI, Nasal, CNS                                             | 3                |
| ALL, LG, Renal, Cutaneous, CBC                             | 4                |
| Panel, Abdominal Imaging                                   | 5-8              |
| Thoracic Imaging, EKG                                      | 8-9              |
| Hypercalcemia of Malignancy                                | 9-11             |
| Case - Lila                                                | 6                |
| Diagnosis                                                  | 11-15            |
| Cytology                                                   | 11-13            |
| Histopathology                                             | 13-14            |
| Nasal Radiology and Biopsy                                 | 14-15            |
| Staging & Classification                                   | 15-16            |
| Principles of Chemotherapy                                 | 16-17            |
| Other Treatments, including for Hypercalcemia              | 18               |
| Prognosis                                                  | 18-19            |
| Acknowledgements                                           | 20               |
| <b>Reference Charts and Lab Submission Information</b>     | 15 pages         |
| Reference Chart - Fluid Analysis                           | 1 page           |
| Lab Submission Form - Hypercalcemia Panel Michigan State U | 2 pages          |
| Reference Chart - Normal ranges for Michigan State U Lab   | 1 page           |
| Reference Chart - Diagnosis of Hypercalcemia               | 1 page           |
| Reference Chart - Treatment of Hypercalcemia               | 3 pages          |
| Treating Sick Patients with Hypercalcemia                  | 1                |

## Table Of Contents, p. 2

|                                                             |                           |
|-------------------------------------------------------------|---------------------------|
| <b>Section 2: Lymphoma (cont'd)</b>                         | <b>White Tab (cont'd)</b> |
| <b>Reference Charts and Lab Submission Information</b>      | (cont'd)                  |
| Reference Chart - Treatment of Hypercalcemia (cont'd)       | (cont'd)                  |
| Treatment Plan for Asymptomatic Hypercalcemia               | 2                         |
| Treating Idiopathic Hypercalcemia in Cats                   | 3                         |
| Lab Submission - CSU Guide to Lymphoid Neoplasia Testing    | 7 pages                   |
| Reference Chart - Which Samples and Tests?                  | 1                         |
| Submission Instructions - Flow Cytometry                    | 2                         |
| Submission Instructions - PARR                              | 3                         |
| Submission Instructions - Mast Cell Panel and cKIT Mutation | 4                         |
| Submission Instructions - Immunocytochemistry               | 5                         |
| Testing and Reporting Schedules                             | 6                         |
| Shipping Instructions                                       | 7                         |
| <b>Lymphoma Chemotherapy Protocols</b>                      | 14 pages                  |
| Large Cell LSA - Wisconsin 19 Week                          | 1 page                    |
| Large Cell LSA - Wisconsin 25 Week                          | 1 page                    |
| Large Cell LSA Canine - TAMU                                | 2 pages                   |
| Large Cell LSA Feline - TAMU                                | 2 pages                   |
| Large Cell LSA - Tufts VELCAP-L                             | 3 pages                   |
| Lymphoma Rescue                                             | 4 pages                   |
| Rescue Protocol - MOPP                                      | 1 page                    |
| <b>Client Handouts - Lymphoma</b>                           | 18 pages                  |
| Client Handout - Lymphoma in Dogs                           | 6 pages                   |
| Client Handout - Lymphoma in Cats                           | 3 pages                   |
| Client Handout - Lymphoma of the Skin                       | 2 pages                   |
| Client Handout - Acute Lymphoid Leukemia                    | 1 page                    |
| Client Handout - Hypercalcemia                              | 6 pages                   |
| <b>Section 3: Mast Cell Tumor</b>                           | <b>Blue Tab</b>           |
| <b>PowerPoint Slides - Mast Cell Tumor</b>                  | 12 pages                  |
| Etiology                                                    | 1                         |
| Clinical Signs                                              | 2                         |
| Diagnosis                                                   | 2-3                       |
| Staging                                                     | 3-4                       |
| Histopathology and Grading                                  | 4-5                       |
| Surgery                                                     | 5-6                       |
| Chemotherapy                                                | 6-10                      |
| Traditional Chemotherapy                                    | 6-7                       |
| TKI Inhibitors - Kinavet and Palladia                       | 7-10                      |
| Radiation and Alternative Treatments                        | 10                        |
| Prognosis                                                   | 10-11                     |
| Acknowledgements                                            | 12                        |
| <b>Reference Charts and Lab Submission Information</b>      | 4 pages                   |
| Reference Chart - Mast Cell Tumor Alogrithm                 | 1 page                    |
| Client Handout - Michigan State MCT Prognostic Panel        | 1 page                    |
| Lab Submission Form - MSU MCT Prognostic Panel              | 2 pages                   |

## Table Of Contents, p. 3

### Section 3: Mast Cell Tumor (cont'd) ----- Blue Tab (cont'd)

|                                                            |       |       |       |       |          |
|------------------------------------------------------------|-------|-------|-------|-------|----------|
| <b>TKI Package Inserts and Client Information Handouts</b> | ----- | ----- | ----- | ----- | 10 pages |
| Package Insert - Kinavet                                   | ----- | ----- | ----- | ----- | 3 pages  |
| Client Handout - Kinavet                                   | ----- | ----- | ----- | ----- | 4 pages  |
| Package Insert and Client Handout - Palladia               | ----- | ----- | ----- | ----- | 3 pages  |
| <b>Client Handout - Mast Cell Tumor</b>                    | ----- | ----- | ----- | ----- | 6 pages  |

### Section 4: Other Round Cell Tumors ----- Orange Tab

|                                               |       |       |       |       |         |
|-----------------------------------------------|-------|-------|-------|-------|---------|
| <b>PowerPoint Slides - Round Cell Tumors</b>  | ----- | ----- | ----- | ----- | 7 pages |
| Plasmacytoma                                  | ----- | ----- | ----- | ----- | 1       |
| Multiple Myeloma                              | ----- | ----- | ----- | ----- | 2-3     |
| Histiocytic Diseases                          | ----- | ----- | ----- | ----- | 3-4     |
| Transmissible Venereal Tumor                  | ----- | ----- | ----- | ----- | 4-5     |
| Cytology                                      | ----- | ----- | ----- | ----- | 5-7     |
| <b>Client Handouts</b>                        | ----- | ----- | ----- | ----- | 4 pages |
| Client Handout - Histiocytoma                 | ----- | ----- | ----- | ----- | 2 pages |
| Client Handout - Transmissible Venereal Tumor | ----- | ----- | ----- | ----- | 2 pages |

### Section 5: Sarcomas ----- Yellow Tab

|                                                      |       |       |       |       |          |
|------------------------------------------------------|-------|-------|-------|-------|----------|
| <b>PowerPoint Slides</b>                             | ----- | ----- | ----- | ----- | 25 pages |
| PowerPoint Slides - Hemangiosarcoma and Osteosarcoma | ----- | ----- | ----- | ----- | 4 pages  |
| Hemangiosarcoma                                      | ----- | ----- | ----- | ----- | 1        |
| Osteosarcoma                                         | ----- | ----- | ----- | ----- | 2-3      |
| Yunnan Pai Yao                                       | ----- | ----- | ----- | ----- | 4        |
| PowerPoint Slides - Melanoma                         | ----- | ----- | ----- | ----- | 12 pages |
| Diagnosis - Cytology                                 | ----- | ----- | ----- | ----- | 1-3      |
| Staging                                              | ----- | ----- | ----- | ----- | 3        |
| Treatment - Surgery, Palliative Drugs, radiation     | ----- | ----- | ----- | ----- | 4        |
| Treatment - Melanoma Vaccine                         | ----- | ----- | ----- | ----- | 5        |
| Prognosis                                            | ----- | ----- | ----- | ----- | 5-7      |
| Ocular Melanoma - Cats                               | ----- | ----- | ----- | ----- | 8-10     |
| Ocular Melanoma - Dogs                               | ----- | ----- | ----- | ----- | 11-12    |
| PowerPoint Slides - Soft Tissue Sarcomas             | ----- | ----- | ----- | ----- | 9 pages  |
| Cytology                                             | ----- | ----- | ----- | ----- | 2-6      |
| Treatment - Surgery, Radiation                       | ----- | ----- | ----- | ----- | 6        |
| Prognosis                                            | ----- | ----- | ----- | ----- | 7        |
| Feline Injection Site Sarcoma (FISS)                 | ----- | ----- | ----- | ----- | 7-8      |
| Acknowledgments                                      | ----- | ----- | ----- | ----- | 9        |
| <b>Laboratory Submission Information</b>             | ----- | ----- | ----- | ----- | 4 pages  |
| Client Handout - MSU Melanoma Prognostic panel       | ----- | ----- | ----- | ----- | 2 pages  |
| Lab Submission Form - MSU MSA Prognostic Panel       | ----- | ----- | ----- | ----- | 2 pages  |
| <b>Client Handouts</b>                               | ----- | ----- | ----- | ----- | 22 pages |
| Client Handout - Hemangiosarcoma                     | ----- | ----- | ----- | ----- | 4 pages  |
| Client Handout - Osteosarcoma                        | ----- | ----- | ----- | ----- | 5 pages  |
| Client Handout - Yunnan Pai Yao                      | ----- | ----- | ----- | ----- | 6 pages  |

## Table Of Contents, p. 4

### Section 5: Sarcomas (cont'd) Yellow Tab (cont'd)

|                                                 |          |
|-------------------------------------------------|----------|
| <b>Client Handouts</b>                          | (cont'd) |
| Client Handout - Melanosarcoma                  | 3 pages  |
| Client Handout - Feline Injection Site Sarcomas | 4 pages  |

### Section 6: Carcinomas Green Tab

|                                        |          |
|----------------------------------------|----------|
| <b>PowerPoint Slides - Carcinomas</b>  | 11 pages |
| Cutaneous Squamous Cell Carcinoma      | 1-2      |
| Oral Squamous Cell Carcinoma           | 2        |
| Lung & Digital Squamous Cell Carcinoma | 3        |
| Transitional Cell Carcinoma            | 3-4      |
| Canine Mammary Gland Tumor             | 5-6      |
| Perianal and Anal Sac Tumors           | 7-8      |
| Thyroid Carcinoma - Dog                | 8-9      |
| Thyroid Carcinoma - Cat                | 9        |
| Meningioma                             | 9-10     |
| Acknowledgments                        | 10-11    |

|                                               |          |
|-----------------------------------------------|----------|
| <b>Client Handouts</b>                        | 27 pages |
| Client Handout - Squamous Cell Carcinoma      | 5 pages  |
| Client Handout - Transitional Cell Carcinoma  | 7 pages  |
| Client Handout - Mammary Gland Tumor - Canine | 4 pages  |
| Client Handout - Mammary Gland Tumor - Feline | 3 pages  |
| Client Handout - Thyroid Carcinoma            | 4 pages  |
| Client Handout - Meningioma                   | 4 pages  |

### Section 7: Chemotherapy Pink Tab

|                                                                                                                  |          |
|------------------------------------------------------------------------------------------------------------------|----------|
| <b>PowerPoint Slides - Chemotherapy</b>                                                                          | 13 pages |
| Indications                                                                                                      | 1        |
| Metronomic Therapy                                                                                               | 1        |
| Side Effects                                                                                                     | 1-2      |
| Overdose                                                                                                         | 2        |
| Patient Care, Response to Therapy                                                                                | 2        |
| Safe Handling                                                                                                    | 3        |
| MDR-1 Deletion                                                                                                   | 3        |
| IV Push Administration, IV Drip Administration                                                                   | 3        |
| Wicked Expensive Drugs                                                                                           | 3        |
| Alkylating Agents - Cyclophosphamide, Chlorambucil, Lomustine<br>Melphalan, Mustargen, Procarbazine, Dacarbazine | 4-7      |
| Antitumor Antibiotics - Doxorubicin, Mitoxantrone, dactinomycin                                                  | 7-9      |
| Platinum Drugs - Carboplatin                                                                                     | 10       |
| Vinca Alkaloids - Vincristine, Vinblastine                                                                       | 10-11    |
| Antimetabolites - Cytarabine                                                                                     | 11       |
| TKI Inhibitors - see Mast Cell Tumor (Blue Tab)                                                                  |          |
| Corticosteroids                                                                                                  | 12       |
| NSAIDs                                                                                                           | 12       |
| Enzymes - L-Aparaginase                                                                                          | 12-13    |

## Table Of Contents, p. 5

|                                                              |                 |
|--------------------------------------------------------------|-----------------|
| <b>Section 7: Chemotherapy (cont'd)</b>                      | <b>Pink Tab</b> |
| <b>Laboratory Submission Information</b>                     | 1 page          |
| Lab Submission Form - WSU MDR-1 Deletion                     | 1 page          |
| <b>Client Handouts</b>                                       | 30 pages        |
| Client Handout - Cyclophosphamide                            | 2 pages         |
| Client Handout - Chlorambucil                                | 1 page          |
| Client Handout - Lomustine (CCNU)                            | 2 pages         |
| Client Handout - Melphalan                                   | 2 pages         |
| Client Handout - Mustargen                                   | 2 pages         |
| Client Handout - Procarbazine                                | 2 pages         |
| Client Handout - Doxorubicin                                 | 2 pages         |
| Client Handout - Mitoxantrone                                | 1 page          |
| Client Handout - Dactinomycin                                | 2 pages         |
| Client Handout - Carboplatin                                 | 1 page          |
| Client Handout - Vinblastine                                 | 1 page          |
| Client Handout - Vincristine                                 | 2 pages         |
| Client Handout - Cytarabine                                  | 2 pages         |
| Client Handout - Deracoxib                                   | 2 pages         |
| Client Handout - Piroxicam                                   | 2 pages         |
| Client Handout - Elspar                                      | 2 pages         |
| Client Handout - Prednisone                                  | 2 pages         |
| <b>Reference Charts and In Clinic Forms</b>                  | 4 pages         |
| CHOP Estimate Worksheet                                      | 1 page          |
| CHOP Chemo Dose Calculator                                   | 3 pages         |
| <b>Section 8: Nutrition and Cancer</b>                       | <b>Gold Tab</b> |
| <b>PowerPoint Slides - Nutrition and Cancer</b>              | 6 pages         |
| Nutraceuticals, Quality Control                              | page 1          |
| Regulation - NASC, NADA, ConsumerLabs, UPC                   | page 2          |
| Carbohydrates                                                | page 2          |
| Proteins and Amino Acids, Percent Calories                   | page 3          |
| Raw Diets, Herbs                                             | page 3          |
| Fatty Acids                                                  | pages 3-4       |
| Antioxidants, Flavonoids, Hill's n/d, Neoplasene             | page 5          |
| Tumexal                                                      | page 6          |
| <b>Client Handouts - Nutritional Alternatives for Cancer</b> | 8 pages         |