

**ASVCP Case Index 2003-2015**

**2015 Mystery Slide Case Index**

Case	Presenter	Specimen	Species	Diagnosis
1	D. Schaefer – Tennessee	Blood	Rooster	Immune-mediated hemolytic anemia; secondary to Zonisamide
2a, b, c	K. Meichner – North Carolina	Liver, lung, including H&E	Canine	Disseminated acanthamoebiasis
3	C. Yeouroukis – Georgia	Blood	Canine	Inclusions in neutrophils, presumptive nanoshells
4	A. Hernandez – Texas	Mass nose	Rabbit	Shope fibromatosis
5	N. Kohart – Ohio	Spleen H&E	Feline	Histiocytic sarcoma
6	C. Moser – Missouri	Blood	Canine	Chronic lead toxicosis
7	J. Rigas – Utah	Respiratory Fluid	Canine	Diatoms from drowning
8	A. Wasserkrug Naor - Kansas	Blood	Mane wolf	Babesia spp.
9	N. Kohart – Ohio	Blood	Canine	Multiple myeloma with plasma cell leukemia
10a, b	S. Barrett – Virginia-Maryland	Blood, Bone marrow	Canine	Chronic lymphocytic leukemia with plasmacytosis
11	M. Asakawa – Cornell	Vitreous humor	Canine	Ocular protothecosis
12	K. Pattullo – Illinois	Blood	Reindeer	Babesia odocoilei
13	R. Holicky – Kansas	Peritoneal fluid	Equine	Mineral oil from rectal tear
14	E. Holmes – Royal Vet College	Pleural fluid	Equine	Mesothelioma
15	N Zitzer – Ohio	Venous blood	Feline	Tachyzoites
<b>Bonus</b>				
B1	H. Tvedten – Sweden (SLU)	Blood	Canine	Hematopoietic neoplasia with basophilia
B2	C. Auch Lawson – Auburn	Mass in ear	Canine	Complex ceruminous gland carcinoma

**2015 Case Discussion Index**

Case	Presenter	Species	Diagnosis	Features of case
1	H Tvedten, Sweden (SLU)	Canine	Hematopoietic neoplasia with basophilia and myelodysplasia	Difficulties in detection of basophils in automated differentials, diagnostic dilemma of an unusual hematopoietic neoplasm
2	J. Brady – Oregon State University	Canine	Proximal GI dilatation and bronchopneumonia	Complex acid-base case with a dog mimicking a ruminant with rumen outflow obstruction.
3	E. Fish – Auburn	Canine	Marked normoblastemia in a dog with hypotension and trauma	Marked increase in nRBCs without proportional increase in polychromatophils, effect of nRBCs on WBC count
4	T Piesch – Missouri	Canine	Heat stroke	Classic case with LDH falsely increasing bicarbonate
<b>Bonus</b>				
B1	N Kohart – Ohio	Canine	Tumor lysis syndrome	Classic case with mixed acid-base

## 2014 Mystery Slide Case Index

	Presenter	Specimen	Species	Diagnosis
1	J. Hilligas – Texas	Mass near oviduct/ovary	Chicken	Myeloid leukemia/leukosis
2	A. Dusick - Tennessee	Skin	Amphibian	<i>Batrachochytrium dendrobatidis</i>
3	A. Weeden - Florida	Bone marrow	Feline	Myeloproliferative disease with thrombocytosis and trlineage dysplasia
4	W. Gow - Guelph	Subcutaneous mass	Canine	<i>Echinococcus multilocularis</i>
5	C. Carter – Michigan	Blood, liver	Canine	Myeloid neoplasm and hemangiosarcoma
6	A. Newman - Cornell	Blood	Cow	<i>Theileria buffeli</i> , BoLV lymphocytosis and T cell lymphoma
7	A. White – Colorado	Abdominal fluid	Canine	Myxosarcoma
8	H. Minard – Texas	Skin	Feline	<i>Leishmania mexicana</i>
9	B. Meyer - Purdue	Spleen (H&E)	Ferret	T-cell and histiocytic-rich large B cell lymphoma
10	V. Le Donne - Louisiana	Abdominal mass	Canine	Renal nephroblastoma
11	E. Fish – Auburn	Mandibular mass	Canine	Salivary mucoepidermoid carcinoma
12	K Meichner – North Carolina	Blood	Horse	B cell lymphocytosis and T-cell rich B cell lymphoma
13	K. Boes – Virginia-Maryland	Pleural fluid	Canine	Esophageal perforation (squamous cells)
14	C.T. Huang - Georgia	Blood	Canine	Erythrocyte-derived vesicles & microvesicles
15	A. Wasserkrug Naor – Kansas	Pleural fluid	Equine	Extramedullary plasma cell neoplasm
16	R. Houseright – Wisconsin	Peritoneal fluid	Canine	Anaplastic ovarian carcinoma and peritoneal carcinomatosis
<b>Bonus</b>				
B1	M. Ernst – Virginia	Blood	Equine	Red maple leaf toxicity
B2	V. Le Donne - Louisiana	Liver (images only)	Canine	Heterobilharzia
B3	K. Schlicher - Illinois	Blood	Equine	Degrading <i>Anaplasma phagocytophilum</i>
B4	J Bailey – Ross University	Blood	Feline	Lymphoma of granular lymphocytes
B5	J Stickle - Michigan	Blood	Feline	Bacteremia

## 2014 Case Discussion Index

	Presenter	Species	Diagnosis	Features of case
1	J. Webb – Wisconsin	Canine	IMHA	Agglutination-associated hemogram changes
2	M. Camus – Georgia	Avian	None	Hemogram and protein analysis-associated issues in birds
3	L. Black – Florida	Canine	Hypernatremia due to mast cell tumor	Effect of hypernatremia on results

## 2013 Case Index

#	Presenter	Specimen	Species	Diagnosis
1	H. Tvedten	Advia data and blood film images	Canine	Cobalamine malabsorption
2	S. Yoo	Thoracic fluid	Equine	Melanoma
3	S. Henderson	Blood smear	Canine	Mucopolysaccharidosis I
4	C. Hollinger	Intracranial mass imprint	Equine	Meningioma
5	S. Coutermarsh-Ott	Bone marrow biopsy	Pygmy hedgehog	Eosinophilic leukemia
6	K. Loria	Liver aspirate	Lagomorph	Severe bile duct hyperplasia with intralesional <i>Eimeria</i>
7	M. McEntire	Neck mass aspirate	Feline	Thyroid carcinoma
8	S. Beatty	A. Abdominal fluid (direct); B. Mesenteric lymph node imprint	Feline	Feline GI eosinophilic sclerosing fibroplasia (FGSF)
9	M. Leissingner	Thoracic fluid (direct)	Canine	Mediastinal neuroendocrine carcinoma
10	S. Neo	Liver biopsy	Feline	Amyloidosis
11	C. Cluzel	Blood smear	Canine	Histoplasmosis
12	A. Viall	Blood smear	Canine	Plasma cell neoplasia
13	E. Burton	Hard palate imprint	Canine	Chondrosarcoma
14	L. Peters	Bile cytology	Canine	Presumptive <i>Isospora spp</i> colonization of gall bladder
15	W. Gow	Lymph node biopsy	Equine	Lymphosarcoma; B and T cell rearrangement
16	A. White	Abdominal mass aspirate	Canine	Sertoli cell tumor
17	S. Vobornik	Ovarian mass	Aves - Chicken	Oviductal carcinoma
18	S. Henderson	Abdominal cystic structure aspirate	Canine	Anomalous remnant deferent duct or uterine tissue
19	J. Hilligas	Blood smear	Canine	Borreliosis
20	E. O'Neil	Blood smear	Feline	Porphyria
<b>Bonus</b>				
21	A R. Moore	Rectal scrape	Canine	Blastomycosis

## 2013 Chemistry Case Index

#	Presenter	Specimen	Species	Diagnosis
1	T. Hancock	Lab Data	Canine	Hyperosmolar diabetic ketoacidosis
2	N. Hoepf	Lab Data	Equine	Cantharidin toxicosis
3	V. Le Donne	Lab Data	Feline	Spinach-induced nephritis with crystalluria
4	K. Uchiumi	Lab Data	Feline	Panhypopituitarism
<b>Bonus</b>				
5	H. Tvedten	Lab Data with TEG and urine sediment images	Canine	Ischemic renal injury w/ likely multiple organ dysfunction and systemic inflammatory response syndrome
6	D. Villarnovo	Lab Data	Bovine	Clostridial colitis with enterotoxemia and renal failure

## 2012 Case Index

#	Presenter	Specimen	Species	Diagnosis
1	K. Banajee	Ovarian mass	Canine	Granulosa theca cell tumor
2	S. K. Bland	Kidney – H&E stain	Canine	Leukemia of undetermined origin
3	K. Boes	Lung impression smear	Feline	Aelurostrongylus abstrusus
4	A. Burton	Peripheral blood smear	Canine	Thymoma associated progressive T cell lymphocytosis
5	N. Collicutt	Renal mass smear	Canine	Renal carcinoma with aberrant deposits of basement membrane (hyaline globules) WYD In VCP
6	S. Hammond	Abdominal fluid – Wright-Giemsa stain	Canine	Mesothelioma
7	T. Hancock	Peripheral blood smear – Wright-Giemsa stain	Feline	Disseminated Mycobacterium avium subspecies hominissuis
8	U. Jeffery	Intra-dural cervical spinal mass – Wright's stain	Canine	Infiltrative mesenchymal neoplasm
9	H. A. Kridel	Blood smear – Wright's-Giemsa	Canine	Mucopolysaccharidosis type VI, diabetic ketoacidosis, and acute necrotizing pancreatitis
10	D. Mathys	Blood smear	Canine	Acute myeloid leukemia M5b or chronic monocytic leukemia
11	K. E. Pennick	Pleural fluid	Feline	Extramedullary hematopoietic effusion of unknown cause
12	C. Hoover / J. Ryseff	Liver & mesenteric lymph node impression smears	Canine	Rhabdomyosarcoma (probable solid alveolar pattern)
13	S. Sample	Mammary mass impression smear	Feline	Systemic toxoplasmosis
14	B. Siska	Peripheral blood smear – modified Wright's stain	Equine	Immune-mediated hemolytic anemia associated with Clostridium perfringens myositis
15	P. Cazzini	Blood smear	Feline	Dyserythropoiesis with circulating siderocytes (erythrocytes containing Pappenheimer bodies)
16	C. Swenson	Spleen – H&E stain	Feline	Hemophagocytic histiocytic sarcoma
17	H. Tvedten	Blood smears	Equine	Toxic granulation and myeloperoxidase deficiency
18	A. Viall	Nasal mass impression smear	Canine	Nasal Adenocarcinoma and Salmon Poisoning Disease
19	N. Weinstein	Peripheral blood smear	Canine	Bile casts within macrophages Cholestasis; Secondary immune mediated hemolytic anemia due to sepsis
20	A. Leuschner	Pleural fluid, mesenteric lymph node, urine	Feline	Presumptive lymphoid neoplasia of B-cell lineage, possibly with Mott cell differentiation
21	D. M. Stowe	Jejunal mass impression smears	Canine	Systemic Cryptococcus infection
22	K. Banajee	Blood films – Wright-Giemsa stained	Reptile – Snake	Inclusion Body Disease (IBD)

23	E. Burton	4 <sup>th</sup> Ventricle cystic lesion imprints	Canine	Epidermoid cyst of the fourth ventricle: WYD in VCP
24	K. Uchiumi	Peripheral blood smear	Canine	Canine distemper virus infection
25	S. Yoo	Blood smear, images	Canine	Spero-echinocytosis, hemolytic anemia, renal tubular acidosis, suspected bacterial enteritis w/ possible hemolytic toxin and nephrotoxin production

### 2012 Chemistry Case Index

#	Presenter	Specimen	Species	Diagnosis
1	K. Wycislo	Blood, urine	Canine	Central diabetes insipidus secondary to anterior pituitary carcinoma; Acute pancreatitis
2	A. Viall	Blood, urine	Bovine	Renal tubular acidosis (Fanconi's Syndrome); Resolving enteritis (Rotavirus, Coronavirus, and Giardiasis)
3	S. Yoo	Serum, urine	Feline	Isopropanol intoxication
4	S. Hayakawa	Blood, urine	Camelid - Llama	Acute renal failure due to oak toxicosis
5	J. Cook	Blood, urine	Canine	Acute hypothyroid crisis (myxedema coma), acute respiratory distress syndrome (ARDS), systemic inflammatory response syndrome (SIRS)

## 2011 Case Index

#	Presenter	Specimen	Species	Diagnosis
1	H. Priest	Peritoneal fluid	Equine	Granulosa cell tumor with osseous metaplasia
2	D. Schaefer	Blood smear	Reptile – Turtle	Acute lymphoid leukemia, T cell
3	E. O'Neil	Blood smear	Feline	Mast cell visceral neoplasia
4	S. Tornquist	Broncho alveolar lavage	Equine	Cryptococcus
5	K. Zimmerman	Blood smear	Canine	Type 1 canine LADD
6	C. Lucidi	Bone marrow	Canine	Immune mediated neutropenia
7	P. Cazzini	Lymph node aspirate	Feline	Metaplastic sarcoma
8	D. Maguire	Blood smear	Canine	Hepatozoon canis
9	J. Haddad	Imprint spinal lesion	Canine	Choroid plexus carcinoma + inflammation
10	S. Colledge	Abdominal mass imprint	Canine	Gastrinoma
11	W. Siska	Abdominal fluid	Equine	Lymphoma, T cell
12	M. Piviani	Blood smear	Canine	B cell lymphoproliferative disease
13	R. Bell	Blood smear	Feline	Basophilia / basophilic leukemia
14 a	V. Wong	a) Imprint nasal mass	Feline	Histiocytic sarcoma
14 b		b) Histological section nasal mass		
15	K. Santangelo	Blood smear	Equine	Chronic lymphocytic leukemia, CD 4+ T cell
16	H. Michael	Imprints skin lesion	Canine	Dracunculiasis
17	C. Mastroilli	Blood smear	Canine	Erythrocytosis
18	M. Hoepf	Blood smear	Bovine	Mycoplasma infection
19	C. Benson	Image: transtracheal wash	Canine	Diatoms / water aspiration
20	E. Pieczarka	Image: blood smear with EM	Canine	Platelet vacuolation
<b>Bonus</b>				
21	T. Hancock	Broncho alveolar lavage	Canine	Aspiration pneumonia (barium sulfate aspiration)
22	M. Piviani	Imprints skin mass	Canine	Carcinoma
23	H. Tvedten	Blood smear	Canine	Anaplasmosis
24 a	C. Hollinger	a) Blood smear	Canine	Ineffective erythropoiesis / precursor-directed immune-mediated anemia
24 b		b) Bone marrow core biopsy		
25	D. Marks	Image: nasal fluid	Ovine	Enzootic nasal adenocarcinoma
26	Owen	Image: sloughed skin	Amphibian - Frog	Chytridiomycosis

## 2011 Chemistry Case Index

#	Presenter	Specimen	Species	Diagnosis
1	C. Fischer	Lab data	Bovine	Mixed metabolic acid-base

				disorder, cholestasis, hepatopathy and renal disease
2	E. Tan / J.Fromstein	Lab data	Canine	Hypercholesterolemia and artifactual electrolytes measurements
3	J. Figueiredo	Lab data	Bovine	Methemoglobinemia with extravascular hemolysis
4	M. Spoor	Lab data	Canine	Starvation, hypothermia and dehydration

**2010 Case Index**

#	Presenter	Specimen	Species	Diagnosis
1	T. Arndt	Peritoneal fluid	Canine	Sclerosing encapsulating peritonitis
2	S. Colledge	Synovial fluid	Canine	Metastatic prostatic carcinoma
3	J. Rigas	Impression smear, ureteral mass	Canine	Giant cell sarcoma (possible rhabdomyosarcoma)
4	P. Crosse	Blood smear, image of lymph node cytology	Canine	Multicentric B cell lymphoma & LGL leukemia
5	D. Petersen	Intestinal mass aspirate	Canine	Fibroblastic osteosarcoma
6	K. Boes	Impression smear, lung	Canine	Disseminated <i>Acanthamoeba</i> infection, canine distemper virus and canine adenovirus-2
7	B. Szladovitz	Histopathology, bone marrow core	Canine	Plasma cell neoplasia
8	M. Piviani	Histopathology, splenic mass & gastro-hepatic lymph node	Equine	Splenic lymphoma with lymph node metastasis, Gaucher-like cells present
9	K. Bradford	Peritoneal fluid	Canine	Bacterial and fungal ( <i>Candida</i> ) peritonitis
10	C. Hollinger	Impression smear, lung	Canine	Pyogranulomatous pneumonia with <i>Sarcocystis</i> sp.
11	E. Pieczarka	Blood smear	Canine	Eccentricity associated with smoke inhalation and profofol
12	L. Cregar	Blood smear	Caprine	Copper toxicity associated Heinz body hemolytic anemia
13	K. Jackson	Impression smear, liver	Equine	Hepatoblastoma
14	L. Pohlman	Impression smear and histopathology of skin lesions	2 Canines	Pyogranulomatous inflammation due to sporotrichosis
15	B. Flatland	Blood smear	Canine	May-Hegglin anomaly
16	K. English	Bronchoalveolar lavage fluid	Canine	Mixed inflammation with <i>Pneumocystis</i>
17	A. Aulbach	Blood smear	Lagomorph	Hypercholesterolemic acantholytic hemolytic anemia
18	M. Spoor	Blood Smear	Canine	Idiopathic hypereosinophila syndrome
19	C. Swenson	Blood smear & Advia cytograms	Canine	Macrocytic hypochromic regenerative anemia (folate deficiency)
20	H. Tvedten	Blood smear image & Sysmex report	Canine	Pseudo-reticulocytosis
<b>Bonus</b>				
21		Tracheal wash cytology	Equine	Environmental contaminants
22		Impression smear, distal tibia	Canine	Telangiectatic osteosarcoma
23		Image of hepatic aspirate	Canine	Tyzzler's disease ( <i>Clostridium piliforme</i> )
24		Image of direct smear, synovial fluid	Canine	Suppurative inflammation; cryptococcosis



**2010 Chemistry Case Index**

#	Presenter	Specimen	Species	Diagnosis
1	A. Gupta	CBC & serum biochemistry data	Odocoileus	Capture myopathy
2	T. Sibley	CBC, serum chemistry, coagulation & urinalysis data	Canine	Malignant hyperthermia
3	M. Sirivelu	CBC, serum chemistry, urinalysis, & serum protein electrophoresis data	Feline	Extramedullary plasma cell neoplasia with IgA monoclonal gammopathy
4	A. Vitsky	CBC, coagulation, clinical chemistry, urinalysis, toxicokinetic and antidrug antibody data	Cynomolgus macaques	Immune-complex glomerulonephritis with DIC

## 2009 Case Index

#	Presenter	Specimen	Species	Diagnosis
1	M. Ameri	Blood smear	Cynomolgus macaques	Malaria- <i>Plasmodium inui</i>
2	J. Matthews	Nasal biopsy	Feline	Fungal rhinitis due to <i>Paecilomyces</i> sp
3	A. Royal	Impression smear-neck mass	Canine	Malignant mixed thyroid tumor (carcinosarcoma)
4	G. Levine	Blood smear	Canine	Myeloid leukemia of monocytic origin (compare to human juvenile myelomonocytic leukemia)
5	A. Gupta	Impression smear-lung	Didelphimorph	<i>Besnoitia darlingi</i> & <i>Didelphostrongylus hayesi</i> infection.
6	K. Boes	Direct smear-synovial fluid	Canine	Mixed inflammation with lupus erythematosus (LE) cells
7	B. Galgut	Blood smear	Equine	Equine piroplasmiasis (consistent with <i>Theileria equi</i> )
8	L. Millward	Blood smear	Canine	Systemic histoplasmosis & <i>Mycoplasma haemocanis</i> infection
9	H. Michael	Direct smear-choanal	Aves - Gyrfalcon	Cryptosporidiosis
10	M. Cora	Blood smear	Canine	Septicemia & DIC due to <i>Francisella philomiragia</i>
11	C. Mastroilli	Bone marrow	Canine	Myeloid hyperplasia-recovery from estrogen-induced toxicosis
12	T. Romsland	Impression-tongue mass	Canine	Liposarcoma
13	B. Fierro	Blood smear	Camelid-Alpaca	Iron deficiency anemia; Cabot rings
14	S. Zimmerman	Blood smear	Amphibian - Frog	<i>Trypanosoma</i> sp & <i>Lankesterella</i> sp
15	J. Haddad	Abdominal mass	Feline	Fibrosarcoma at site of retained surgical sponge
16	L. Devai	Blood smear	Canine	Intravascular lymphoma, likely of natural killer cell origin
17	E. O'Neil	Blood smear	Equine	Hemolytic anemia – suspect neonatal isoerythrolysis
18	M. Sirivelu	Impression smears-toe mass	Feline	Phaeohyphomycosis ( <i>Lecythophora mutabilis</i> )
19	J. Cruz-Cardona	Photos of blood smear	Canine	Chronic myelogenous leukemia, most likely monocytic, w/ associated BCR-ABL translocation ('Raleigh' chromosome)
20	N. Clancey	Blood smear	Vulpes	Hemoparasites compatible with <i>Theileria (Babesia) annae</i>
<b>Bonus</b>				
21	C. Escobar	Impression smears-lung	Feline	Toxoplasmosis
22	J. Rigas	Impression smear-subcutaneous mass	Equine	Giant cell tumor of soft parts

## 2008 Case Index

#	Presenter	Specimen	Species	Diagnosis
1	G. Stock	Blood smear	Reptile – Snake	Multiorgan disease, bacteremia/septicemia
2	T. Bisby	Impression smear-stifle mass	Bovine	Pleomorphic rhabdomyosarcoma
3	H. Tvedten	Blood smear	Canine	Cryofibrinogenemia
4	E. Tan	Impression smear-lung	Feline	Blastomycosis
5	K. Miyakawa	Bone biopsy	Canine	Systemic penicilliosis
6	M. Cora	Blood smear	Feline	Acute erythroid leukemia
7	L. Cregar	Direct smear-synovial fluid	Bovine	Trypanosomiasis
8	L. Millward	Direct smear-subcutaneous fluid	Equine	Mast cell tumor
9	K. Dunn	Peritoneal fluid	Canine	Mott cell neoplasia
10	J. Cruz-Cardona	Aspirate-lymph node	Canine	Islet cell pancreatic tumor
11	K. DeJong	Blood smear	Canine	Metastatic histiocytic neoplasia
12	C. Flint	Bronchoalveolar lavage fluid	Canine	Globular leukocytes, pulmonary disease
13	R. Simoni	Brain biopsy	Canine	Cerebral phaeohyphomycosis
14	S. Gilor	Fecal smear	Canine	Yeast overgrowth- <i>Pichia sp</i>
15	S. Hill	Impression smear-nasal mass	Canine	Nasal rhinosporidiosis
16	C. Mastroilli	Blood smear	Equine	Lymphoma/leukemia
17	T. Lin	Impression smear-tarsal mass	Canine	Synovial cell sarcoma
18	C. Swenson	Pleural fluid-cytospin	Canine	Thymoma and granular cell tumor
19	I. Piperisova	Impression smear-nasopharynx	Canine	Nasal capillariasis
20	B. Gaigut	Semen-direct smear & line prep	Bovine	Immune-mediated spermatodysgenesis
<b>Bonus</b>				
21	B. Yamamoto	Blood smear	Feline	Erythroleukemia (M6Er)
22	I. Piperisova	Blood smear	Canine	Histiocytic sarcoma

## 2007 Case Index

#	Presenter	Specimen	Species	Diagnosis
1	D. Schaefer	Impression of submandibular swelling	Equine	Epithelioid hemangiosarcoma
2	M. Nabity	Impression from abdominal mass	Canine	Mixed germ cell-sex-cord stromal tumor
3	C. Flint	Bone marrow core	Canine	Inherited cobalamin deficiency
4	M. Vandis	Buffy coat preparation	Camelid - Alpaca	<i>Mycoplasma haemolamae</i> & <i>Anaplasma phagocytophilum</i>
5	J. Webb	Blood smear	Feline	Acute lymphoid leukemia, T-cell
6	S. Pratt	Peritoneal fluid-sedimented	Equine	Non-septic peritonitis, sodium carboxymethylcellulose
7	E. Morissette	Pleural fluid	Feline	<i>Rhodococcus equi</i>
8	H. Tvedten	Blood smear, urine sediment	Canine	Hemoglobinuria due to phosphofructokinase (PFK) deficiency
9	L. A. Snyder	Pericardial fluid-concentrated	Canine	Pericardial mesothelioma
10	M. Neta	Blood smear	Feline	Lysosomal storage disease
11	J. Renschler	Impression-cutaneous mass	Feline	Feline progressive histiocytosis
12	A. Wilcox	Blood smear	Canine	Stomatocytosis
13	B. Garner	Blood smear	Rangifer	Theileriosis
14	M. Parrula	Surgical biopsy-liver	Canine	Metastatic GI stromal tumor
15	C. Swenson	Blood smear & Advia cytograms	Canine	IMHA w/ intravascular hemolysis, thrombocytopenia & DIC
16	A. Biondo	Bone marrow FNA	Canine	Canine visceral leishmaniasis
17	M. Logan	Impression-popliteal lymph node	Feline	Metastatic melanoma
18	A. Miller	Skin punch biopsy	Feline	Cutaneous non-epitheliotropic T-cell lymphoma
19	A. Irizarry	Blood smear	Sprague-Dawley Rat	Xenobiotic-induced myelotoxicity
20a	S. Dial	Scanned image- thoracic fluid	Canine	Coccidioidomycosis
20b	M. Scott	Scanned image-BAL fluid	Canine	Neutrophilic infl. w/ ciliatrophic bacteria ( <i>Bordatella bronchiseptica</i> )
21S	S. Chapman	Impression-abdominal mass	Equine	Malignant teratoma
22S	J. Renschler	Bone marrow aspirate & blood smear	Canine	Dysmyelopoiesis, likely Tx related MDS-erythroid predominance
23S	R. Gunn	Impression-liver	Reptile - Snake	Chronic active inflammation, inclusion body disease
24S	B. Szlodovits	Impression-laryngeal mass	Canine	Laryngeal osteosarcoma

## 2006 Case Index

#	Presenter	Specimen	Species	Diagnosis
1		Blood smear	Canine	Distemper
2		Cervical mass	Feline	Thymoma
3		Blood smear	Equine	Pelger-Huet anomaly
4		Blood smear	Canine	Acute myelogenous leukemia M5 (monocytic)
5		BAL fluid	Equine	Equine herpes virus
6		Liver	Canine	Copper toxicity
7	A. Royal	Blood smear	Marmota	<i>Hepatozoon</i> sp
8		Flank mass	Canine	Keloidal fibrosarcoma
9		Blood smear	Canine	Hereditary elliptocytosis
10		Urine	Equine	Caudate epithelial cells
11		Blood smear	Canine	Acute megakaryoblastic leukemia
12		Lymph node & spleen	Feline	Malignant histiocytosis-erythrophagocytic
13		Blood smear	Canine	<i>Trypanosoma cruzi</i>
14		Thoracic fluid	Feline	Primary effusion-lymphoma
15		Frontal bone	Equine	Osteosarcoma
16		Muscle cyst	Salmon	<i>Spiroplasma</i>
17		Blood smear	Canine	Leukemia of histiocytic origin
18		Blood smear	Cricetinae	<i>Babesia</i> sp
19		Lymph node	Feline	<i>Cytauxzoon</i> sp
20		Blood smear	Bovine	Sporadic bovine leukosis
21S		Chemistry	Chimpanzee	Familial hypercalcemia-like disease
22S		Chemistry	Muridae	Hydrazine toxicity
23S		Chemistry	Canine	Sharpei systemic amyloidosis

**2005 Case Index**

#	Presenter	Specimen	Species	Diagnosis
1		Thoracic fluid & lung tissue	Feline	Systemic toxoplasmosis
2		Lung	Canine	Pneumocystis
3		Thoracic fluid	Feline	Mesothelioma
4		Pericardial fluid	Canine	Candidiasis
5		Peritoneal fluid	Feline	Bacterial and fungal ( <i>Candida</i> ) sepsis
6		Cervical mass	Caviinae	Thyroid adenoma
7		Blood smear	Macaque	Inflammation due to cardiac device
8		Blood smear	Feline	Mast cell granules in neutrophils
9		Blood smear	Reptile - Turtle	Ranavirus (iridovirus)
10		Mediastinal mass	Murine	Thymic lymphoma
11		Liver	Feline	Large granular cell leukemia
12		Spleen	Canine	Histiocytic sarcoma (dendritic cell)
13		Nasal mass	Canine	Nasal carcinoma
14		Mandibular mass	Feline	Chondrosarcoma
15		Olfactory mass	Canine	Meningioma
16		Blood smear	Equine	Oxidative damage (reticulocytosis, macrocytosis)
17		Blood smear	Feline	<i>Cytauxzoon felis</i> & <i>Mycoplasma haemofelis</i>
18		Synovial fluid	Equine	<i>Streptococcus equi zooepidemicus</i>
19		Chemistry	Equine	Artifactual increase in bicarbonate
20		Laboratory data	Canine	Emerging lymphoma

## 2004 Case Index

#	Presenter	Specimen	Species	Diagnosis
1	J. Brazzell	Impression-abdominal mass	Canine	Ovary, dysgerminoma
2	D. Schaefer	Histopathology-skin mass	Canine	Plasmacytoid T-cell lymphoma
3	A. Irizarry	Histopathology-skin mass	Reptile - Iguana	Melanoma
4	K. Kreutzer	Laboratory data	Camelid - Llama	Hypovitaminosis D, Fe deficiency
5	L. Sharkey	Laboratory data	Equine	Enteritis w/increased ammonia
6	J. Messick	Heart blood smear	Lagomorph	Microangiopathic hemolytic anemia
7	E. Spangler	Blood smear	Equine	Poikilocytosis associated with burn injury
8	K. Zaks	Blood smear, brilliant cresyl blue	Canine	Heinz body hemolytic anemia (skunk spray)
9	L. Twomey	Blood smear	Porcine	Fe deficiency anemia
10	P. Christopherson	Blood smear	Canine	Granulocytic ehrlichiosis, acanthocytosis (hemangiosarcoma)
11	J. Steinberg	Blood smear	Camelid - Alpaca	Acute myeloid leukemia
12	T. Wills	Lymph node impressions	Canine	Acute myeloid leukemia (AML-M4)
13	H. Walmsley	Coelomic fluid-direct smear	Reptile - Iguana	Yolk peritonitis (septic coelomitis)
14	R. Allison	Laboratory data	Canine	Protozoal hepatitis w/ eosinophils, suspect sarcocystosis
15	T. Holmberg	Abdominal fluid-direct smear	Canine	Septic suppurative inflammation, <i>Neospora</i>
16	M. Nabity	Imprint-popliteal lymph node	Canine	Reactive lymph node, histiocytosis, <i>Trypanosoma cruzi</i> infection
17	H. Flaherty	Ocular fluid smear, cardiac muscle histopathology, CSF (photomicrograph)	Canine	Protothecosis
18	A. Gill	Fecal smear	Canine	Systemic candidiasis
19	A. Barger	Fecal smear	Canine	Cryptococcosis
20	C. A. Thompson	Fecal smear	Canine	<i>Iodamoeba butschlii</i>
21s	T. Holmberg	Abdominal fluid-direct smear	Canine	Atypical bile peritonitis

**2003 Case Index**

#	Presenter	Specimen	Species	Diagnosis
1		Bone marrow	Bovine	Dyserythropoiesis & dyskeratosis
2		Blood smear	Canine	Siderocytic anemia
3		Blood smear	Cervinae	Babesiosis
4		Cerebrospinal fluid	Canine	Metastatic carcinoma
5		Retrobulbar mass	Canine	Retrobulbar meningioma
6		Nasal mass	Bovine	Olfactory neuroblastoma
7		Bone marrow	Canine	Lymphocytosis, histiocytosis
8		Popliteal lymph node	Canine	Systemic histiocytosis
9		Ear lesion	Canine	Leproid granuloma syndrome
10		Sputum	Canine	<i>Capnocytophaga cynodegmi</i>
11		Lab data	Equine-foal	Hypoxic ischemic syndrome
12		Serum protein electrophoresis, liver	Feline	Mast cell tumor and myeloma
13		Blood smear	Equine	Myelomonocytic leukemia
14		Blood smear	Canine	Micrococci-like infection
15		Nasopharyngeal mass	Feline	<i>Cryptococcus neoformans</i>
16		Blood smear	Canine	AML basophilic differentiation
17		Duodenal wall	Canine	Pythiosis
18		Viborg's triangle	Equine	Thyroid gland carcinoma
19		Abdominal fluid	Canine	Blastomycosis
20		Blood smear	Canine	Eccentricity
<b>Bonus</b>				
21		Subcutaneous mass	Feline	Hemangiosarcoma
22		Skin nodule	Canine	Toxoplasmosis