

Dermatology CPD
23-24th October 2018
Lilongwe, Malawi
Practical Wet lab – Cytology

SLIDE 2: FNA of erythematous nodule on hind limb of 6 year old MN pug

1. Broadly categorize the cell types present:
 - a. Inflammatory?
 - b. Neoplastic?
 - c. Mixed inflammatory and neoplastic?
2. If inflammatory:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
3. If neoplastic:
 - a. Epithelial?
 - b. Mesenchymal/spindle?
 - c. Discrete cell (round cell)?
 - d. Anaplastic/undifferentiated?
 - e. Benign or malignant? Can you identify criteria of malignancy?

Diagnosis: _____

SLIDE 4: FNA of lymph node from a 10 year old MN Labrador retriever with peripheral lymphadenopathy

1. Broadly categorize the cell types present:
 - a. Inflammatory?
 - b. Neoplastic?
 - c. Mixed inflammatory and neoplastic?
2. If inflammatory:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
3. If neoplastic:
 - a. Epithelial?
 - b. Mesenchymal/spindle?
 - c. Discrete cell (round cell)?
 - d. Anaplastic/undifferentiated?
 - e. Benign or malignant? Can you identify criteria of malignancy?

Diagnosis: _____

SLIDE 5: Impression smear beneath crust of a 3 year old MN Pit Bull Terrier

1. Broadly categorize the cell types present:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
2. Can you identify organisms?
 - a. Cocci bacteria?
 - b. Rod bacteria?
 - c. Malassezia yeast?
 - d. Are these organisms intracellular or extracellular?

Diagnosis: _____

SLIDE 6: Ear swab from 2 year old MN Boston Terrier with otitis externa (11 slides available)

1. Broadly categorize the cell types present:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
2. Can you identify organisms?
 - a. Cocci bacteria?
 - b. Rod bacteria?
 - c. Malassezia yeast?
 - d. Are these organisms intracellular or extracellular?

Diagnosis: _____

SLIDE 7/8: Ear swab from 4 year old FS Labrador Retriever presenting with otitis externa (12 slides available) or ear swab from 7 year old FS mixed breed presenting with otitis externa (11 slides available)

1. Broadly categorize the cell types present:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
2. Can you identify organisms?
 - a. Cocci bacteria?
 - b. Rod bacteria?

- c. Malassezia yeast?
- e. Are these organisms intracellular or extracellular?

Diagnosis: _____

SLIDE 11: FNA of well encapsulated subcutaneous mass on the lateral thorax of 8 year old FS Labrador retriever

1. Broadly categorize the cell types present:
 - a. Inflammatory?
 - b. Neoplastic?
 - c. Mixed inflammatory and neoplastic?
2. If inflammatory:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
3. If neoplastic:
 - a. Epithelial?
 - b. Mesenchymal/spindle?
 - c. Discrete cell (round cell)?
 - d. Anaplastic/undifferentiated?
 - e. Benign or malignant? Can you identify criteria of malignancy?

Diagnosis: _____

SLIDE 15: Impression smear of a fluctuant, erythematous ulcerated mass near the tail base of 2 year old outdoor M domestic short-haired cat

1. Broadly categorize the cell types present:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
2. Can you identify organisms?
 - a. Cocci bacteria?
 - b. Rod bacteria?
 - c. Malassezia yeast?
 - d. Are these organisms intracellular or extracellular?

Diagnosis: _____

SLIDE 16: Impression smear from ulcerated pruritic plaque on the ventral of a 3 year old FS domestic short-haired cat

1. Broadly categorize the cell types present:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?

- c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
2. Can you identify organisms?
 - a. Cocci bacteria?
 - b. Rod bacteria?
 - c. Malassezia yeast?
 - d. Are these organisms intracellular or extracellular?

Diagnosis: _____

DEMO SLIDE #1: Impression smear from beneath a crust on the trunk of a pruritic 5 year old MN German Shepherd dog

1. Broadly categorize the cell types present:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
2. Can you identify organisms?
 - a. Cocci bacteria?
 - b. Rod bacteria?
 - c. Malassezia yeast?
 - d. Are these organisms intracellular or extracellular?

Diagnosis: _____

DEMO SLIDE #2: Impression smear from beneath a crust on the trunk of a 6 year old MN Boston Terrier

1. Broadly categorize the cell types present:
 - a. Suppurative/neutrophilic?
 - b. Pyogranulomatous?
 - c. Granulomatous?
 - d. Lymphocytic?
 - e. Eosinophilic?
2. Can you identify organisms?
 - a. Cocci bacteria?
 - b. Rod bacteria?
 - c. Malassezia yeast?
 - d. Are these organisms intracellular or extracellular?

Diagnosis: _____