



A10-36030

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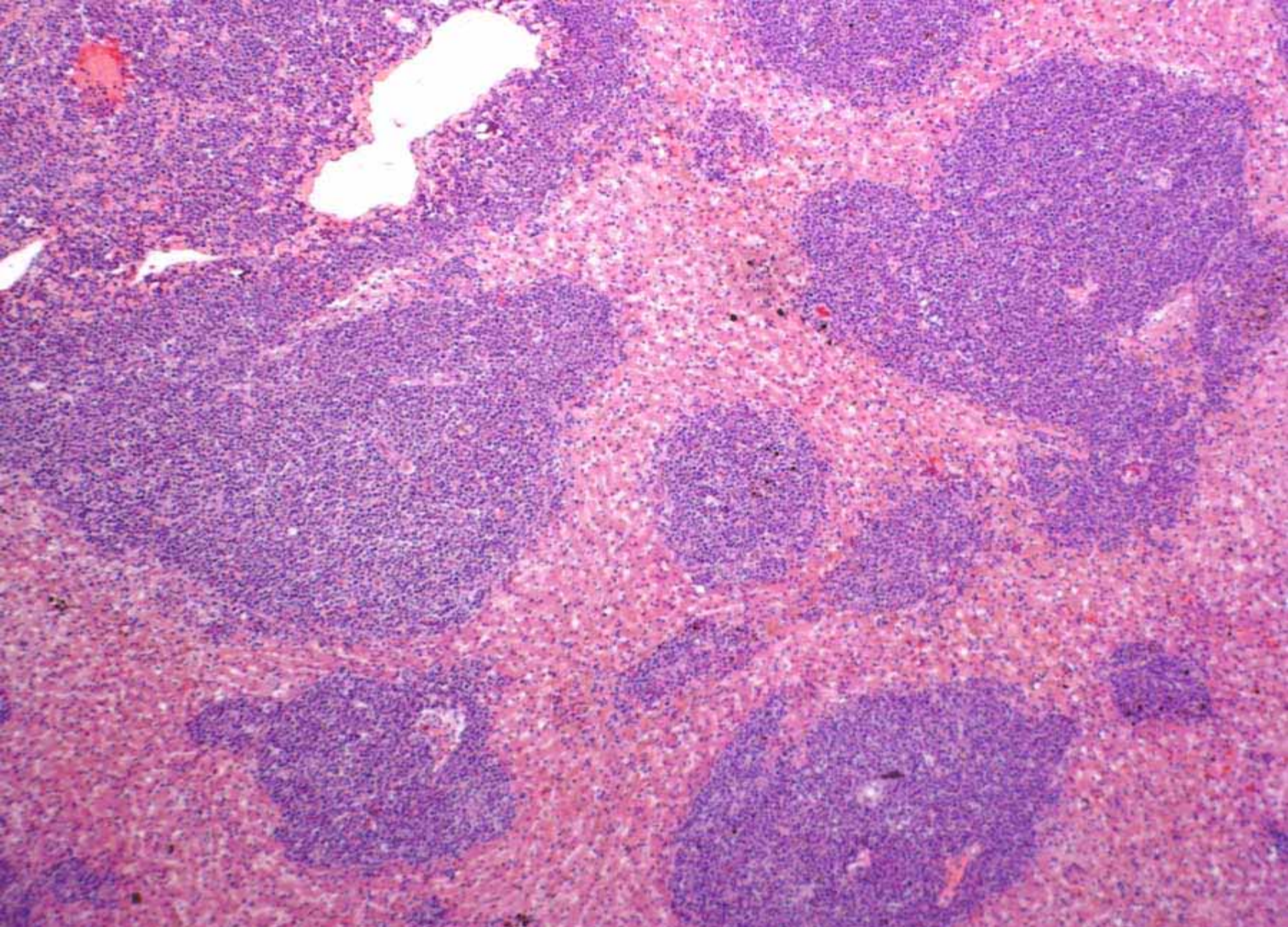
SIGNALMENT AND HISTORY

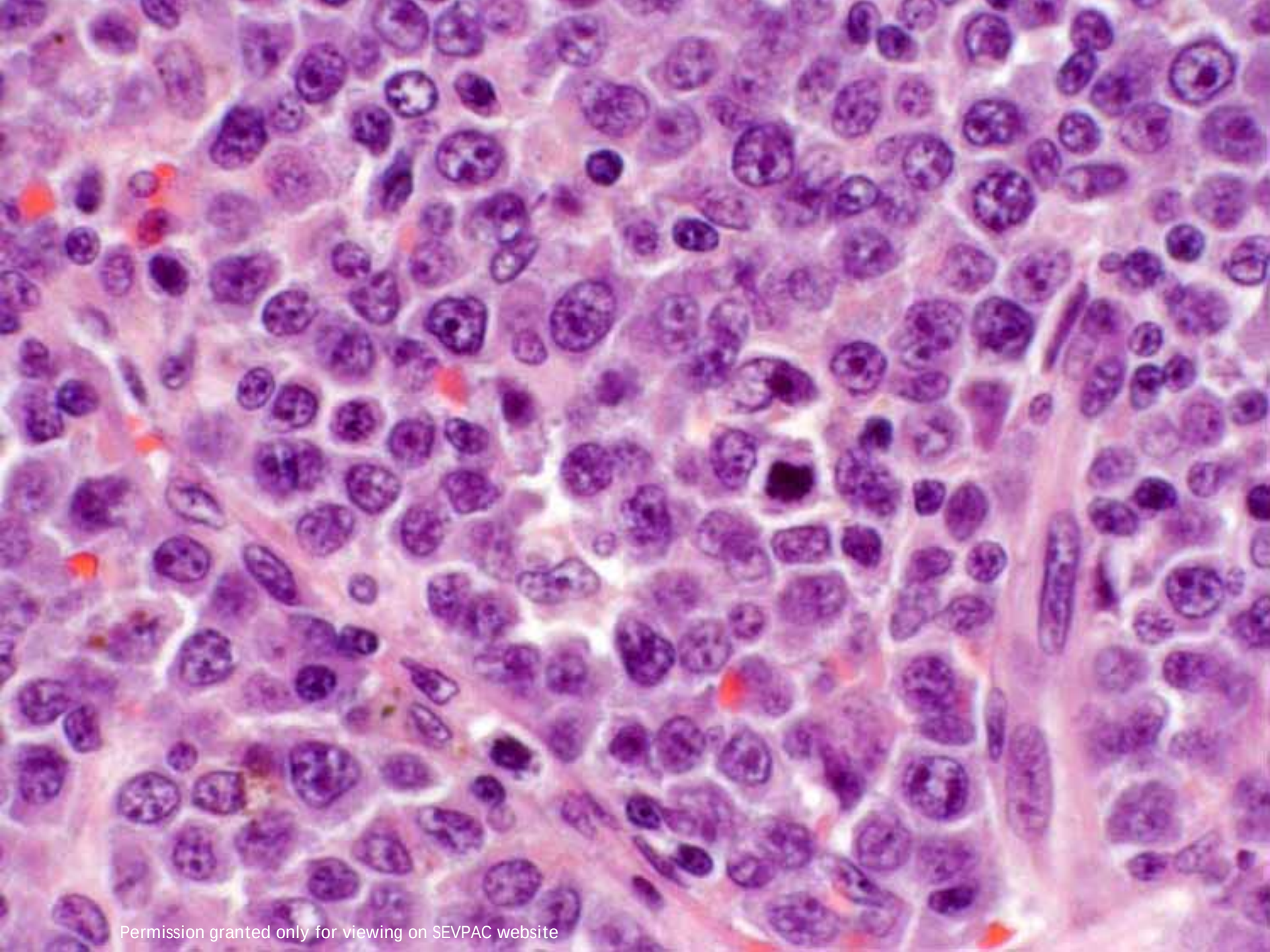
- ◉ 11 year old, male neutered, Chow mix dog
- ◉ One weight history of weight loss and vomiting
- ◉ One month history of decreased appetite
- ◉ Poor body condition
- ◉ Hepatomegaly and splenomegaly



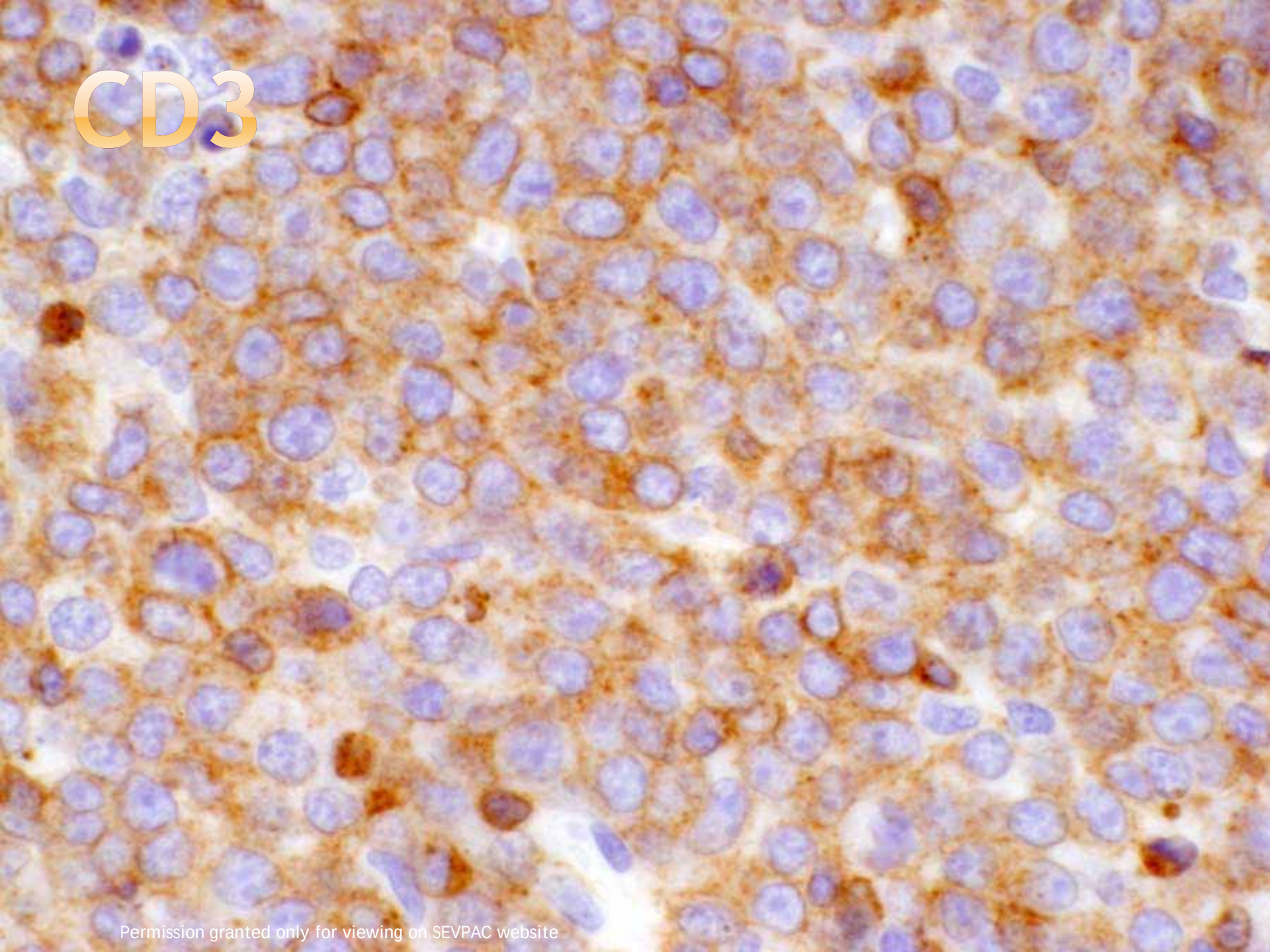
EXPLORATORY LAPARATOMY FINDINGS

- ◉ Erythemic and nodular small intestine
- ◉ Enlarged liver and mesenteric lymph nodes

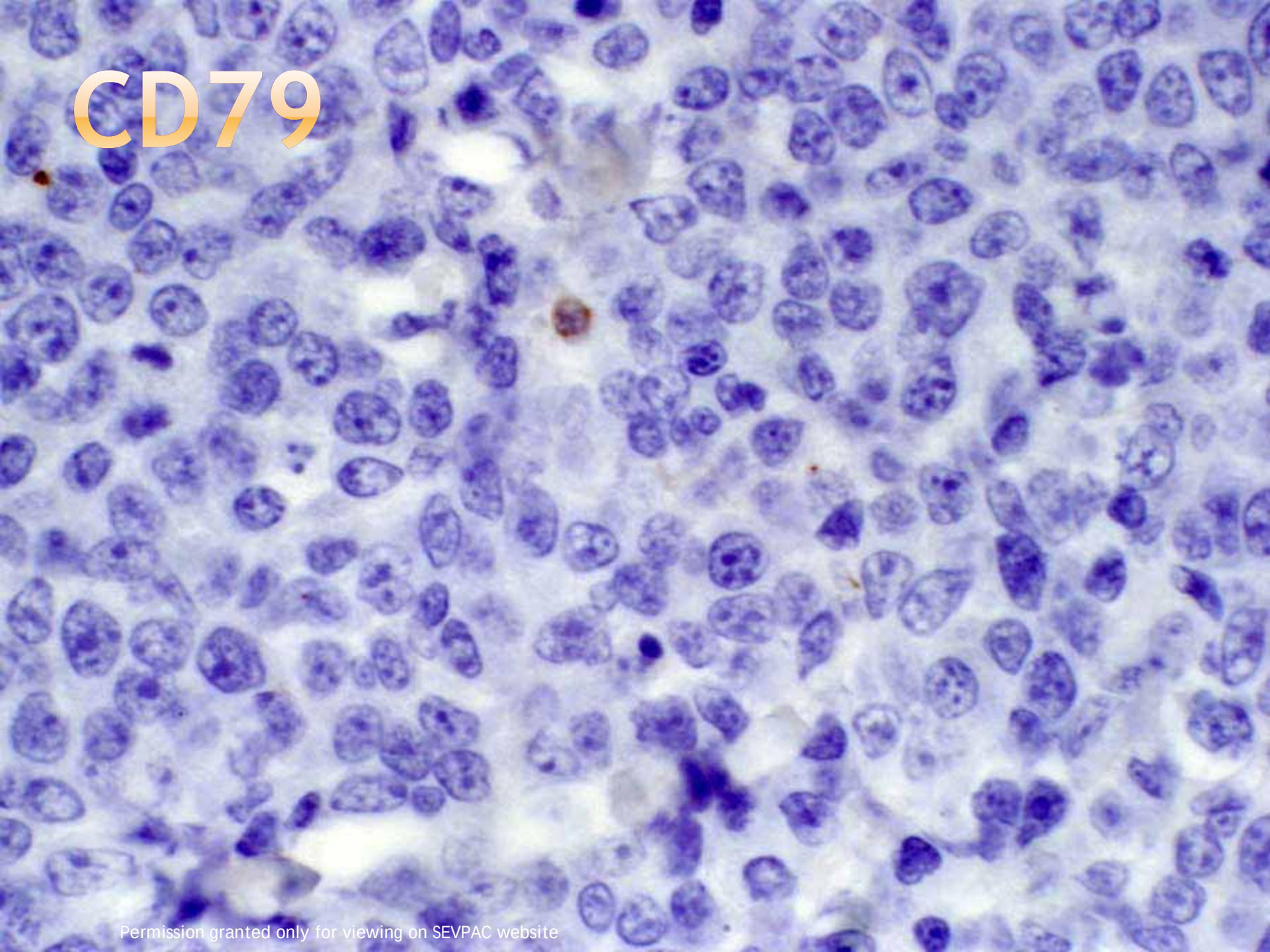




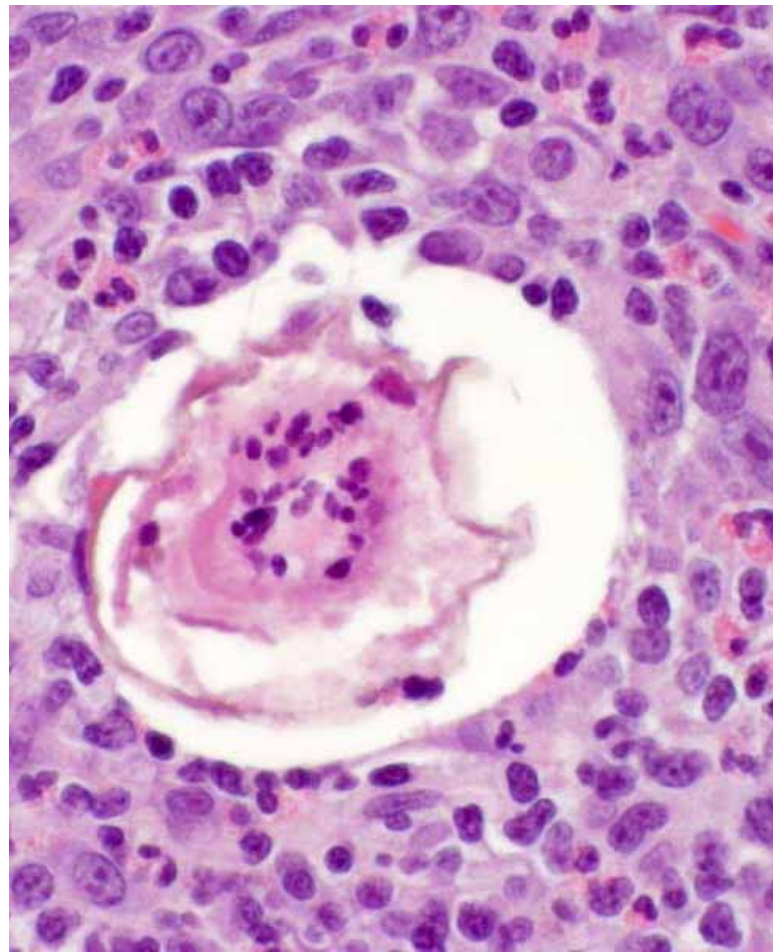
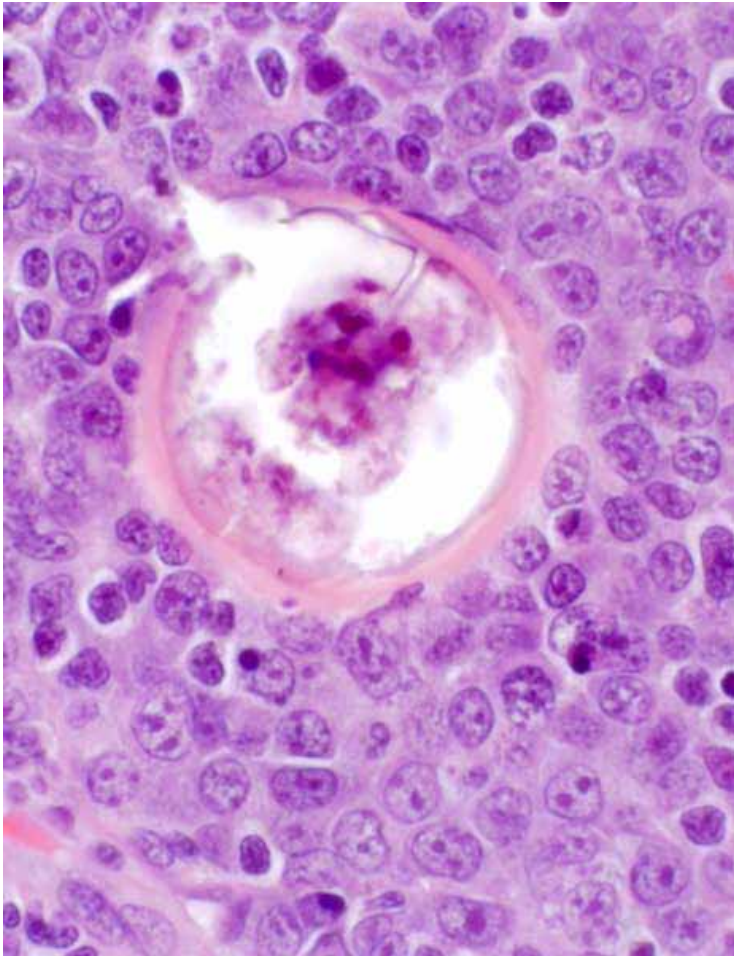
CD3



CD79



ALSO FOUND...

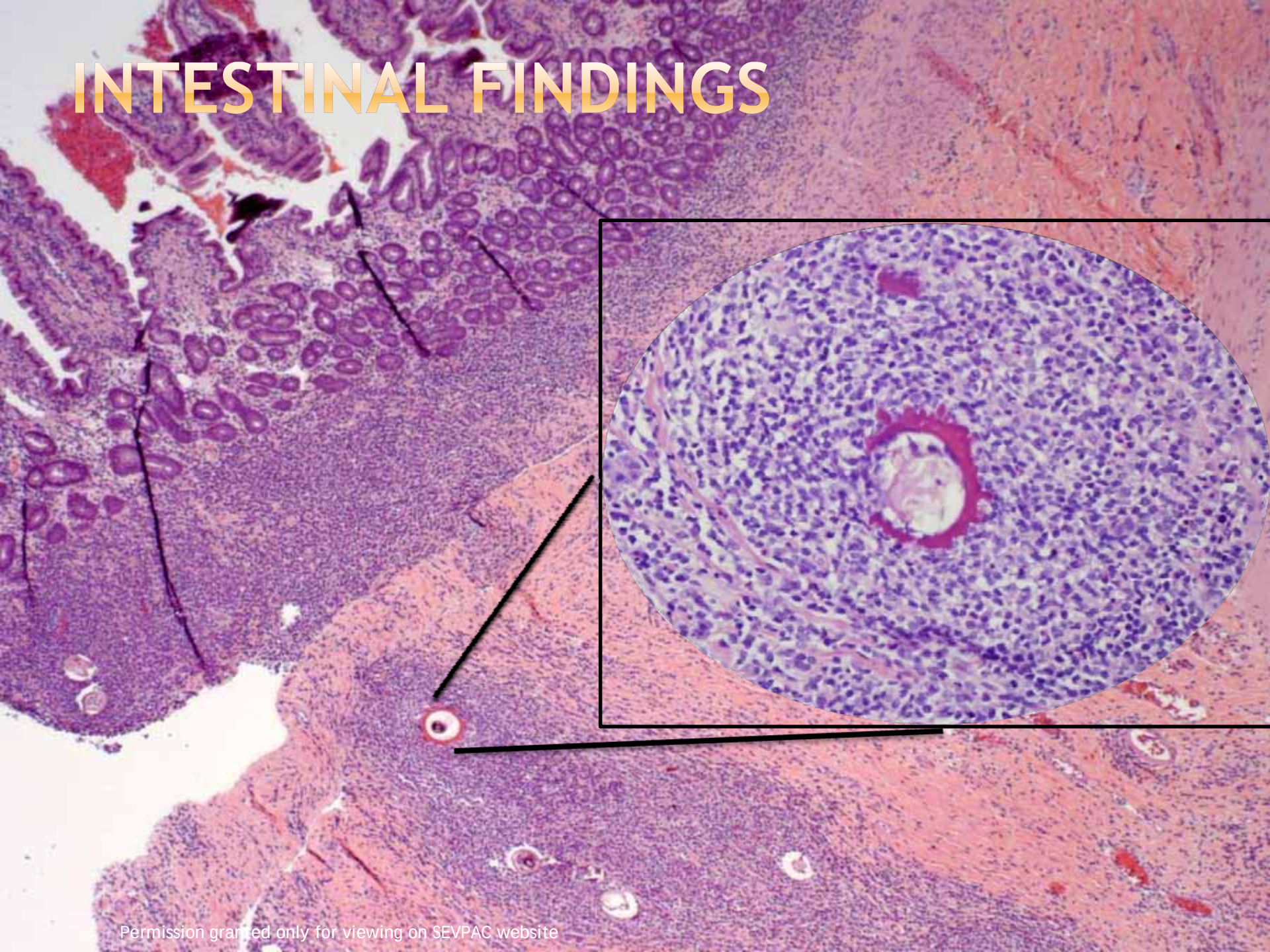




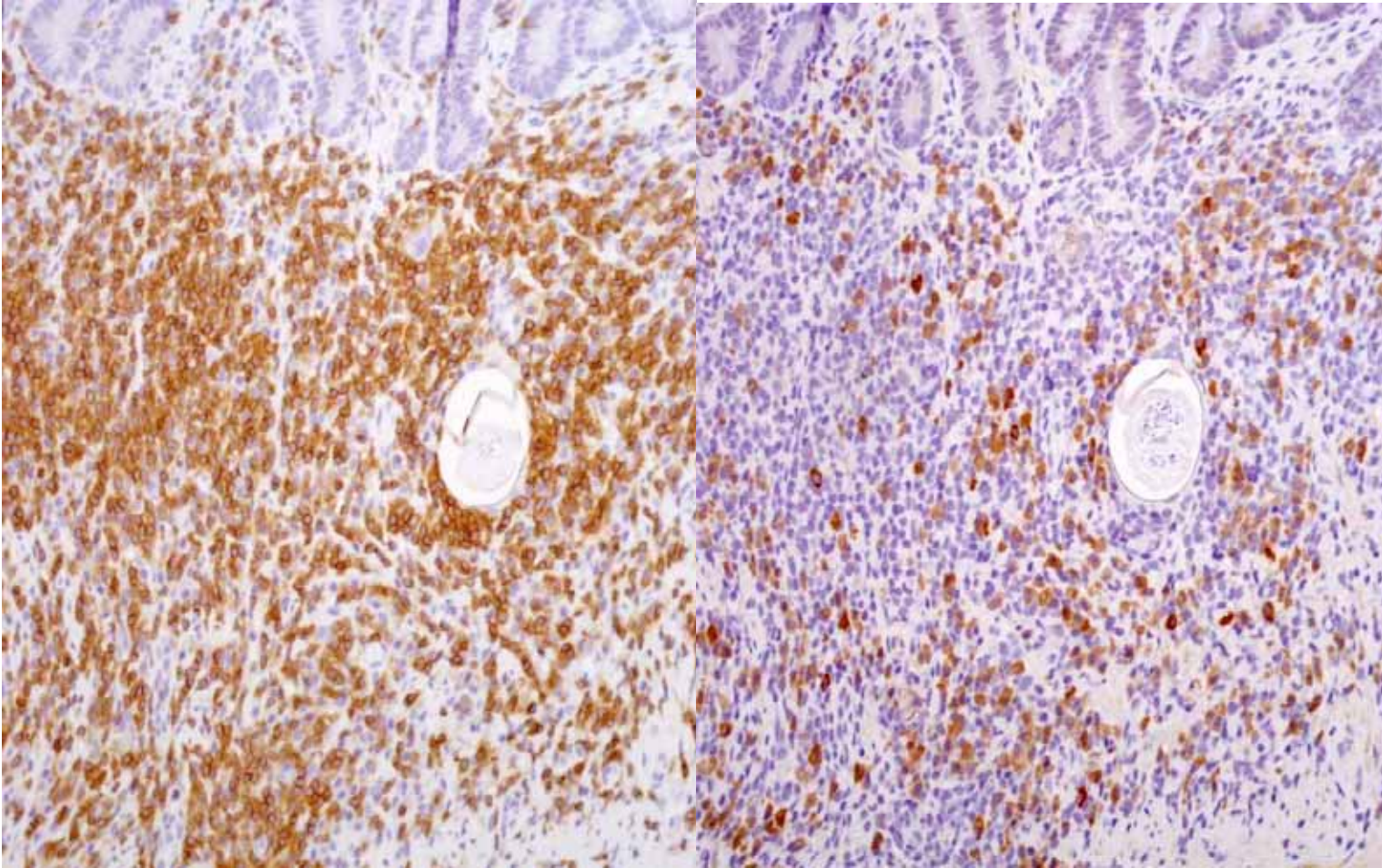
DIAGNOSIS

- ◉ Hepatic T-cell lymphoma with intralesional helminth eggs

INTESTINAL FINDINGS



INTESTINAL FINDINGS



CD3

CD79

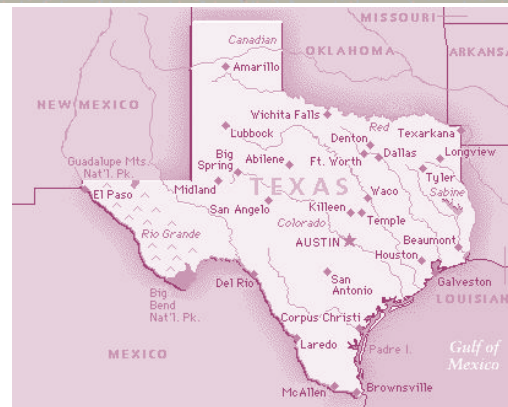
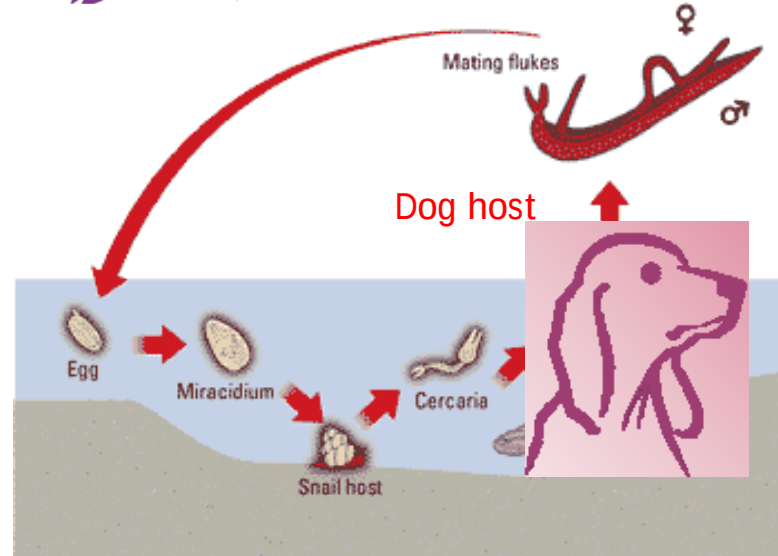
HETEROBILHARZIA AMERICANA

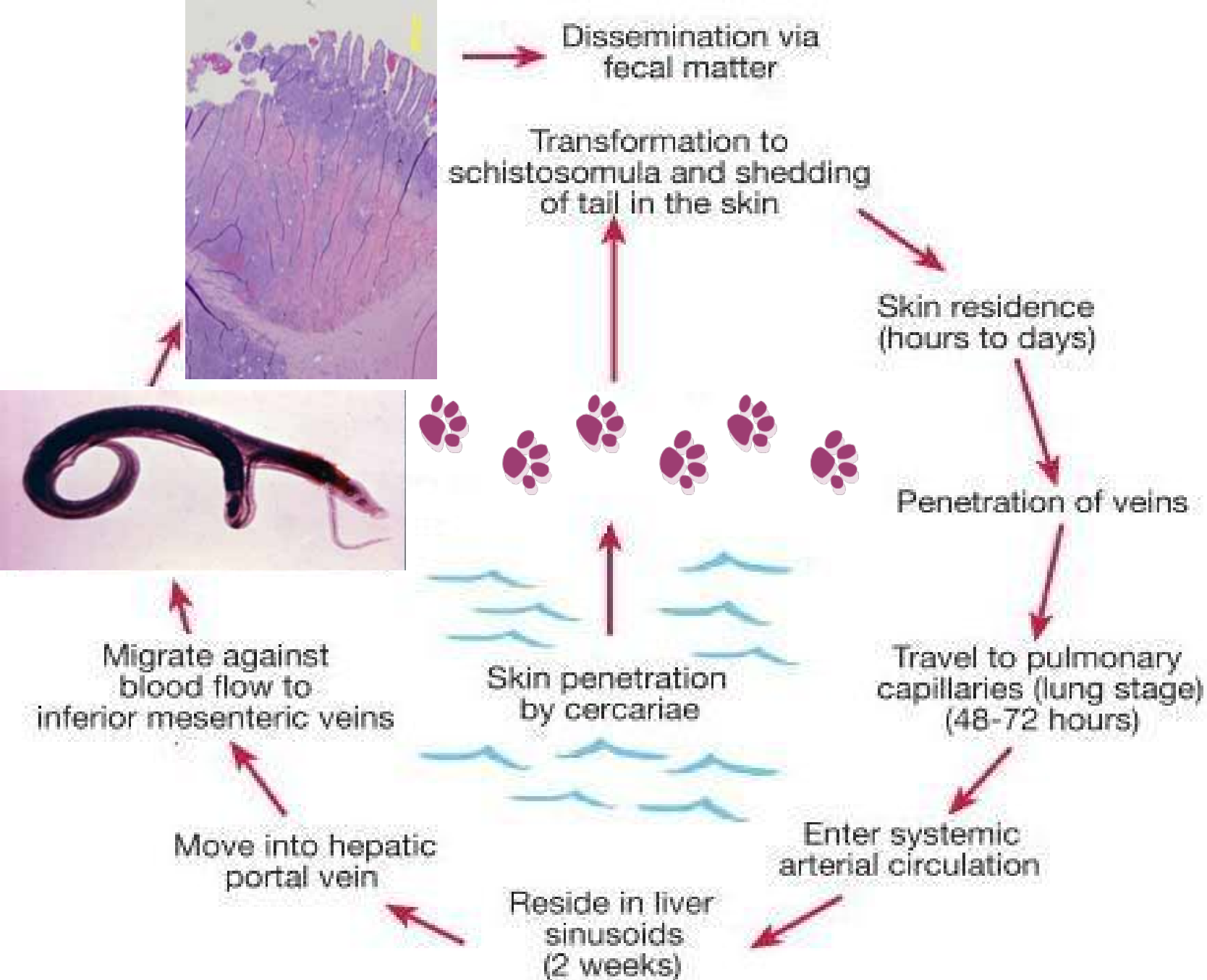
- Mainly infects raccoons



- Rare disease, mostly in southern Atlantic and Gulf Coast

- This dog was from Texas and came to Georgia last year





<http://cal.vet.upenn.edu/projects/paraav/images/lab6-20.jpg>

INFECTIONS AND NEOPLASIA

- ◉ In animals, viruses like BLV and FeLV can cause lymphoma
- ◉ In humans, *Helicobacter pylori* is associated with B-cell gastric lymphoma
- ◉ Also in humans, three different blood flukes have been associated with neoplasms
 - *Schistosoma haematobium*- TCC
 - *Clonorchis sinensis*, *Opisthorchis viverrini*- CCA
- ◉ Chronic inflammation thought to play a role in later development of neoplasia
 - This dog had chronic parasitism

ONGOING HISTORY

- ◉ Dog was treated for the parasite
- ◉ He was also started on chemotherapy
- ◉ Appetite improved
- ◉ Liver and spleen now feel normal
- ◉ Still in poor body condition

ACKNOWLEDGEMENTS

- ◉ Drs. Stone, rDVMs and owners of the dog
- ◉ Dana Ambrose

QUESTIONS?

