September 18, 2015

*We’re Back!*

Thanks to a three year NOAA Fisheries sponsored Prescott grant, we have funding to get the marine mammal parasite laboratory back on its feet, and we’ll be sending out a country wide announcement soon. In the meantime we have plenty of parasites from our own seals to keep us busy.

but a lot of seal activity has been going on at the center, so let’s take a look . . .
Harbor Seals: Basil NMLC 15-012 PPv [weaned]
abandoned pup, hypoglycemia resolving, electrolyte disturbances resolving, reopened umbilicus, exposed to lice
male [admit] wt=8.1 kg, SL= 69 cm; [current] 12.0 kg BS=3/5 stranded 5/24/15 COA Deer Island ME; admit: 5/25/15; released 9/10/15 “so long and thanks for all the fish”- Basil

Harbor Seals: Rue NMLC 15-013 PPv [weaned]
eye injury (right) resolving

Harbor Seals: Juniper NMLC 15-015 PPv [weaned]
abandoned pup, hyponatremia, lice, hypoglycemia [BG=126] resolved
female [admit] wt=7.8 kg, SL= 80 cm; [current] 11.0 kg x cm BS=2/5 stranded 6/3/15, Perry Maine COA; admit: 6/4/15; released 9/10/15 “so long and thanks for all the fish”- Juniper

abandoned pup, fever, oral ulceration, hyponatremia, hypoglycemia (109) exposed to lice

Harbor Seals: Sea Salt NMLC 15-022 PPv weanling
male [admit] wt=13.5 kg, SL= 93 cm; [current] 13.5 kg BS=2/5 healing mandibular fracture, tape worms stranded MA 7/X/15; admit: 7/6/15; released 9/10/15
“so long and thanks for all the fish” - Sea Salt

Harbor Seals: Thistle NMLC 15-025 PPv weanling female [admit] wt=10.7 kg, SL= 81.2 cm; [current] x kg BS=2/5 tape worms, vomiting/regurgitation, failure to thrive stranded Wells ME 7/22/15; admit: 7/23/15; died 9/1/15 last blood: Herpes PCR to Athens (negative) last rads: 7/23/15 (chest + flippers) Gross necropsy:

Harbor Seals: Chamomile NMLC 15-026 PPv weanling female [admit] wt=14.1 kg, SL= 85 cm; [current] x kg BS=3/5 abscess right front flipper-resolved, cough? stranded NH 7/25/15; admit: 7/25/15; last blood: 7/25/15 increased WBC but lymphopenia dorsal sinus BG = 136 mg/dl last rads: 7-28-15 Chest DV and L lat., RFF DV; soft tissue swelling of RFF, other WNL fecal: 8-6-15: Ascarid eggs with halo around 42um dia. = Pseudoterranova sp. by ova. culture of abscess = no aerobic growth P: fenbendazole 50 mg/kg PO SID 3 days. Note: lice observed and confirmed P: ivermectin 0.2 mg/kg PO once PE: [Voorhis 8-2415] TPR= 100.0, 90, 30, right front shoulder and flipper is normal, all other system and oral exam are normal A: OK to release if passing blood work, -CRW

Harbor Seals: Jasmine NMLC 15-029 PPv weanling female [admit] wt=12.3 kg, SL= 89.75 cm; [current] 13.4 kg BS=3/5
ulcerative dermatitis, cheilitis, adrenal depletion

stranded Wells ME 8/16/15; admit: 8/18/15;
last blood: 8/18/15, hyperkalemia, hyponatremia, low albumin
dorsal sinus BG = 142 mg/dl
last rads: 8-20-15; 3 views, two DV chest and abdomen, lateral chest-abdomen (L lat), no
pulmonary or pleural disease, normal cardiac size and shape, abdomen has decreased detail
typical of seals, blubber layer is 0.6 cm, no abnormalities in the skeletal elements seen in the
series A: no lesions observed
fecal: 8-20-15 NPS
PE: [Williams 9-18-15] TPR 96.2, 120, 10 lungs clear, eyes moist, no aural d/c, no oral exam but
muzzle is much improved with healing ulcers, no nasal discharge. Flippers WNL, abdominal
palpation WNL, other WNL
A: still not weaned, primary suspect of recovering PHV-1, continue isolation, but Jasmine may
have turned a corner, finish weaning Pred and consider d/c florinef at Round after electrolyte
recheck.

Harbor Seals: Lemmongrass NMLC 15-030 PPv weanling

female [admit] wt=14.5 kg, SL= 97.5 cm; [current] x kg BS=x/5
CC: fever, stomatitis/cheilitis, swollen left flipper, tapeworms, abdominal forigen material

stranded Bidderford ME 8/29/15; admit: 9/3/15;
last blood:
  dorsal sinus BG = 1
last rads: 9/4/15: lateral / DV chest and abdomen, gas in stomach and small intestine, bone density foreign material “tooth” shaped, in abdomen, non obstructive pattern, location on the left side, can not confirm within intestinal tract, DV flippers with soft tissue swelling of hind flipper but no fractures or orthopedic displacements.

Harbor Seals: Parsley NMLC 15-033 PPv weanling
female [admit] wt=10.1 kg, SL= 88 cm
CC: fever (105), wounds
stranded Ipswich 8/29/15 admit 9/6/15; died 9/13/15; gross necropsy X;
last blood:
  dorsal sinus BG =
last rads:9/10/15: lateral chest- thin patchy interstitial pattern, image is grainy with lack of detail, ABD lack of detail-CRW
Gross Necropsy:
Parasitology:
  Diplogonoporus terapterus (with scolex)
  Corynosoma wegeneri

Harbor Seals: Onion Flake NMLC 15-034 PPv weanling
male [admit] wt=16.2 kg, SL= 96.5 cm; [current] 16.2 kg BS=x/5
CC: fever (106.5), labored breathing, body wounds, flipper wounds, muzzle wounds / cheilitis, respiratory acidosis, Anisakids
left lung lobe consolidation, pneumonia presumed severe lungworm
stranded Provience town 9/17/15; admit:9/17/15;
last blood: 9/17/15- increased PCO2, decreased HCO3, hypokalemia
dorsal sinus BG = 172
last rads:8-18-15 (3 plates)
last fecal: 8/18/15 ++ Pseudoterranova sp ova, ++ Contraceaecum ova, one L5 male
Pseudoterranova sp. (no larvae)
PE:[admit Williams] TPR 98.7, 120, 20, moist eye rings, feisty, ulcerative lips and gingiva, oral other WNL, no aural d/c, eyes bright, pupils constructed [IOP R=42, L=40], wound on front flipper, axilla and nails, minor wounds to hind flippers, lungs clear, mm pink and moist, abdominal palpation is WNL, nares with mucoid crusting.
A/P: K oral 8 mEq with tubing, penicillin 500 mg PO BID 10 d, meloxicam SID 5 days, fenbendazole 25 mg/kg PO SID 3 d.
Under the Microscope :
*Diplogonoporus terapterus* (scolex)

After many attempts and identification of *Diplogonoporus* by proglottids with two or more gonado pores, a complete specimen was collected from Parsley at necropsy with a beautifully preserved scolex (finally).

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