## PATHOLOGY REPORT Australian Registry of Wildlife Health

Australian Registry of Wildle

# Taronga 200

Status: Final Report Date: 11/07/2013

Submitter

Australian Registry of Wildlife Health

Submission Details

Cannon and Ball Veterinary Clinic Submitter's Ref:

461 Crown Street Date Submitted: 28-Feb-2013 00:00:00
West Wollangung Date Received: 28-Feb-2013 00:00:00

NSW 2500 Lab. Case/Spec ID:
Australia Previous Lab. ID:

Business Phone: (02) 4229 8888 Specimen ID: TARZ-9197.1

Mobile Phone: Fac: (02) 4220 1310

Animal Detail Epidemiology

Animal ID: Number Dead: 1
ARKS No: Number At Risk:

Rehab ID: 13B146 Number Sick: Animal Name: Number Submitted: 1

Species: Pterodroma macroptera Date Died: 26-Feb-2013 00:00:00

Common Name: Great-winged Petrel Death Circumstance: Treated and Died

Sex Class: Adult

Enclosure No:

Morphometrics
Parameter Value Unit/Description Date Measured Confidence

Weight 0.460 kg 28-Feb-201 Organ/Fluid:

CASE HISTORY

Washed up on north Wollongong Beach 24/02/2013. Growth on right wing, weak and very underweight (normal weight 900g). Taken to Cannon and Ball Vets. Died 26/02/2013. Placed in fridge and couriered to TWH 28/02/2013.

GROSS PATHOLOGY

External findings: There is a 3.8 cm dismeter, round mass protruding from the lateral surface of the distal right ulnar reacion (4 cm proximal to the carpus). The mass is necrotic and foul smelling with intact skin only at the base.

Hydration: good

ARWP - Node: ARWH

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Fat deposits: absent Muscle mass: reduced

Internal findings: On cut section the mass on the right wing is predominently white, firm and shirty. The mass is not achieven to the bone or other deep soft tissue. The proventriculus is full of squid, but the rest of the gastrointestinal tract is devoid of inpests.

## HISTOPATHOLOGY

The tissues are well preserve

Lesions are not evident within the following tissues: spleen (B), oeeophagus, proventrioulus, trachea, adrenal gland (C), myocardium (D).

The following observations are notable:

Brain - sagittal section(A): Virchow-Robin space is dilated. The central cerebellar white matter is mildly spongy.

Small intestine (B): Several sections of small intestine are present on the slide. Large numbers of bacilli are present in the intestinal lumen.

Pancreas (B): Proteinaceous fluid is pooled in the pancreatic ducts.

Other portal tracts contain mild mononuclear cell infiltrates.

Lung (B): There is perivascular and interlobular cedema. The tissue is quite pale (anaemia?).

Kidney (C): Scattered collecting ducts contain luminal basophilic globular material.

Liver (C): The tissue is segmentally autolytic. Within the intact tissue there is multifocal portal and periportal necrosis.

Skeletal muscle - cross and longitudinal sections(D): Moderate numbers of myocytes are thin with granular change to the months is. Some of these cellic exhibit mild satellite cell proliferation.

Ventriculus (D): Focally a cluster of proventricular glands contain kollin plugs. The kollin layer is cellular.

Wing mass (E). The issue is composed of a loop, out mass, which is only partially covered with california. The Issue is segmentally and extensively recroit. The viable issue is composed of shingly packed or signated used have result most do not insuch and maint quantifiency on the composed of shingly packed or signate control have result most on the control of the control of

#### BACTERIOLOGY

## OTHER MICROBIOLOGY

#### DIAGNOS

Myodegeneration - mild, subacute

#### COMMENTS

Thank you for sending us this interesting case.

The patrel was found with a large mass on its wing. Histological examinatino of the mass found it to be most consistent with a chondrome - a tumor originating from cartilage, Although this type of tumour has been described in birds, it is not a common type of tumour in free ranging birds.

The bird was quite thin. The basophilic globules seen histologically in the renal tubules are suggestive of early urate nephrosis. Thus it seems likely that the cause of death was related to protein-calorie mainutrition and dehydration! is charging persuantly the large mass on the wing contributed to the bird's difficulty in acquiring sufficient food and

Other findings include degeneration of the skeletal musculature, which is most likely consistent with struggling during the stranding event.

### Pathologist: Karrie Rose

Date Finalised: 11-Jul-2013 00:00:00

Copy To: Lindsay Smith - sossa@tpg.com.au and Mike Cannon - - -