Subject: Date:	RE: Friday, October 23, 2020 10:43:58 PM
From:	
	, June 28, 2019 11:11:07 AM
To: Cc:	
Subject:	
Hi all,	
went throu skull. He re today. He is morning. If	headcap fell off during bandage cage. He gh a procedure late afternoon to have a temporary pad sutured on covering his covered well last night in the lab and was back to the colony around 10:30 am in the recovery cage with food and water. He will stay there until tomorrow no major issues developed then, I will put him back to a prepared single-house re working out logistics to conduct a recap surgery ASAP.
I will check text or call	on him late afternoon again. Meanwhile if you notice anything abnormal, please me. will send out his med routine soon.
	many people involved to make alive and many are working to improve his appreciated your help.

From:

ASU Department of Animal Care and Technologies		
NDIVIDUAL CHART	NHP-Marmoset	
Animal #/ID Avid# Protocol #	Name: DOA: 5/6/2013 Sex: Male DOB: 5/1/2012 Vendor:	
Date	Procedure/Treatment/	
7/3/11	(0,5 mg/kg + 0,03 ml) SC, syringe fed	
cont'd	~ 1 ml of nutrical and ~ 6 ml 50 % dextrose, Continue suring feedings BID PRN and baprenerphine/meta elegramide IRN	
	Hunched and sitting on gerch in front of heat lamp, Grip seems OK put moving very little.	
7/3/19 8:00/	Found lying on box in case, appears mori bund and barely responsive to stimuli, Contacted PI and AV - giren permission to cuthanize, Administed 40 mg/ky ketamine (0:13 nl) In and 200 mg/ky cuthansia solution (0.17 ml) intra- Cartiac + performed B/C thoracotomy,	
7/5/19	Gross necrops - discolored area of bone on (P) side of skull as noted prior to surgery, skull is soft / limble overall. No gross brain lesions noted, long bones appear VNL. No other gross abnormalities detected, 2 sections of bone (containing (C)) side levion, and section from apposite side of skull), line, and kidney placed in formalin for histopothology,	
8/9/19	Histopathology results - apparent osteomyelilis win skall lesien, bath sections of skall have fibrosis. Mild kidney lesions, possible renal disease that may have contributed to fibrosis, of skall.	

FW: marmoset follow-up Subject: From: Sent: Friday, July 5, 2019 8:00 AM To: Cc: Subject: RE: marmoset follow-up Hello, Thank you for the update, though of course it is not the outcome we had hoped would take place. I think everything possible was done, and am grateful for all the time and thought that was given to the animal by everyone involved. **Sent:** Friday, July 05, 2019 7:29 AM To: Subject: marmoset follow-up I am following up on the marmoset that lost its head cap last Thursday. A temporary bandage was put in place for several days, and then surgery was performed on Tuesday to place a new head cap. Surgery and recovery was uneventful. On Wednesday morning, the marmoset had somewhat reduced activity and a reduced appetite, but was otherwise normal, which is typical of marmosets post-surgically. However, by Thursday evening, the marmoset's condition worsened and, with approval from the PI, we euthanized it. We currently do not know the reason for the

crash in the animal's health, but, being an older animal, the surgery might have been physiologically hard on him. This marmoset has been a challenge keeping its weight up, and this is common among older marmosets, so there might be

Department of Animal Care and Technologies

Arizona State University

Tempe, AZ 85287-2204
p: f: c: email:

an underlying cause. A necropsy will be performed today.

From:	
To: Subject:	FW: Reporting: Common Marmoset,
Date:	Friday, August 9, 2019 11:54:26 AM
From:	7, 09 August 2019 18:54:19 (UTC+00:00) Monrovia, Reykjavik
To:	, 09 August 2019 18.54.19 (01C+00.00) Molillovia, Reykjavik
Cc: Subject: Re	e: Reporting: Common Marmoset,
Thanks,	. It's good information, though of course the outcome was not we had hoped.
From:	
	r, August 9, 2019 11:46 AM
To: Cc:	
CC.	
Subject: Fw	: Reporting: Common Marmoset,
Hi ,	
I'm dissami	inating the marmocat personal regults for your interest, the report is attached and
	nating the marmoset necropsy results for your interest - the report is attached and ummary to is below. If you have any questions about this, let me know.
Tilly Cilian 30	animaly to a selow. If you have any questions about this, let the know.
Thanks,	
From:	
	, August 9, 2019 11:40 AM
To:	
Cc:	
Cabinata Day	nouting Common Mannager
Hi I ,	porting: Common Marmoset,
,	
hi	stopathology results are attached - although the clinical diagnosis is open (there

isn't a clear explanation for his rapid decline or progressive weight loss), there is evidence of osteomyelitis within the discolored section of bone, as we had suspected. There was fibrosis

of both sections of bone we submitted, which accounts for its relative softness and was primarily attributed to the surgical procedures, but also some evidence of mild kidney disease that may have contributed to the bone changes. If you have any questions, let us know.

Thanks,



Case No.: G19-2554

Arizona State University Animal Care

Tempe, AZ 85287

Obtained: 07/05, rec'd 07/16/19

Reported: 08/08/19

Patient ID: Common Marmoset

Account #: Telephone: FAX #:

E-mail:



HISTORY: This 7-year-old male common marmoset had a head implant surgery performed in 2014. It has had slow progressive weight loss of undetermined cause, no abnormalities noted in blood work or radiographs, and no response to treatment for wasting syndrome/inflammatory bowel disease. The head cap became acutely dislodged during a bandage change, and a circular area of discoloration was noted on the right side of the skull with no apparent blood flow to the area. A head cap replacement surgery was performed, but the animal declined the day following the procedure and was euthanized. The skull appeared soft and pliable. Submitted tissues include the skull lesion surrounding the bone and a bone section from the other side of the skull. Pieces of liver and kidney are also included.

CLINICAL DIAGNOSIS: Open.

GROSS: Received in formalin are four tissues to 1.5 cm. in greatest dimension that are processed in one block following appropriate decalcification.

MICROSCOPIC: Bone: Both specimens have periosteal fibrosis and medullary fibrosis, and one specimen has ulceration and necrosis of the overlying epidermis, dermal fibrosis, and bone subtending this region has sequestra associated with mild histiocytic inflammation and associated viable bone has bone resorption. Kidney: Mild sclerotic change is in the glomeruli and interstitium, mild multifocal interstitial infiltrates of lymphocytes are noted, and some of the tubules are dilated and contain protein casts. The following tissues are histologically within normal limits: liver.

- **HISTOPATHOLOGIC DIAGNOSIS:** 1. Periosteal and medullary fibrosis, both sections of bone.
 - 2. Bone resorption, sequestra and associated focal osteomyelitis and ulceration of overlying epidermis, one section of bone.
 - Mild nephrosclerosis, chronic interstitial nephritis, and renal tubular necrosis with protein casts, kidney.

COMMENT: Histologic findings in the bone are primarily attributed to the surgical procedures, although one of the sections also has evidence of osteomyelitis associated with ulceration of the overlying epidermis, and this could possibly have been associated with opportunistic bacterial infection. Renal lesions are mild but cumulatively could possibly have been associated with at least some degree of renal disease and could possibly have influenced some of the bone changes.

, DVM, Dipl. ACVP

NZP code: M, 9f, 2, 14; osteomyelitis, head cap implant, nephrosclerosis, euthanasia.



