

Anatomy for Rehab*

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**May Wildlife
Rehabilitation Center**
at Lees-McRae College



* In a tiny nutshell

Why think
about
anatomy?



Why think about **anatomy**?

Physical exam

Fracture healing

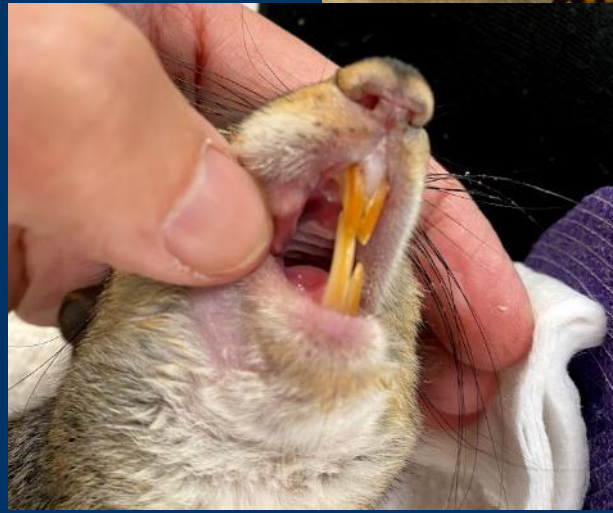
Range of motion

Bandaging

Feeding

Treatments

→ **Normal vs. abnormal**



A photograph of five owls perched on a wooden branch inside an enclosure. Two larger owls are on the left, and three smaller ones are on the right. The background is a chain-link fence. A rainbow-like light flare is visible on the right side of the image.

Head to toe

Birds, mammals, reptiles

Beak/mouth/teeth





Nares, eyes, “ears”



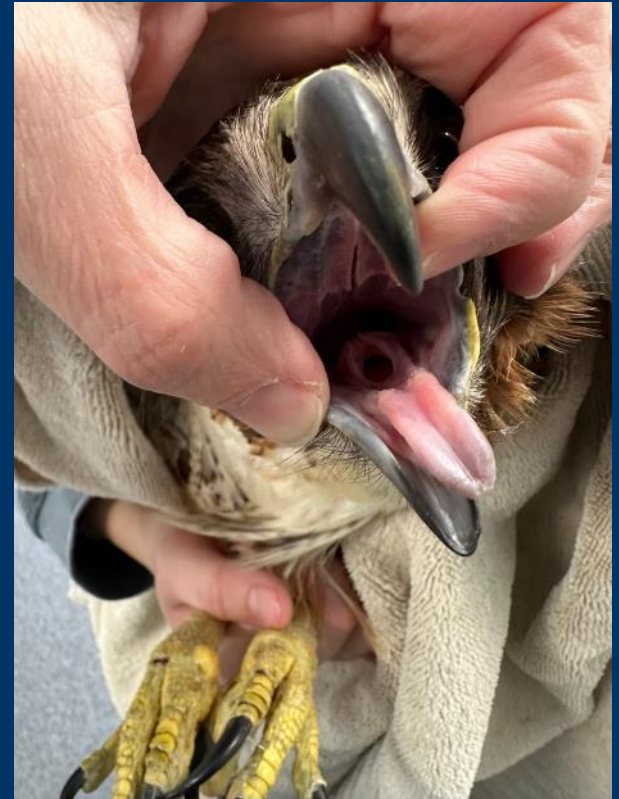
Nares, eyes, “ears”



Nares, eyes, “ears”



Glottis



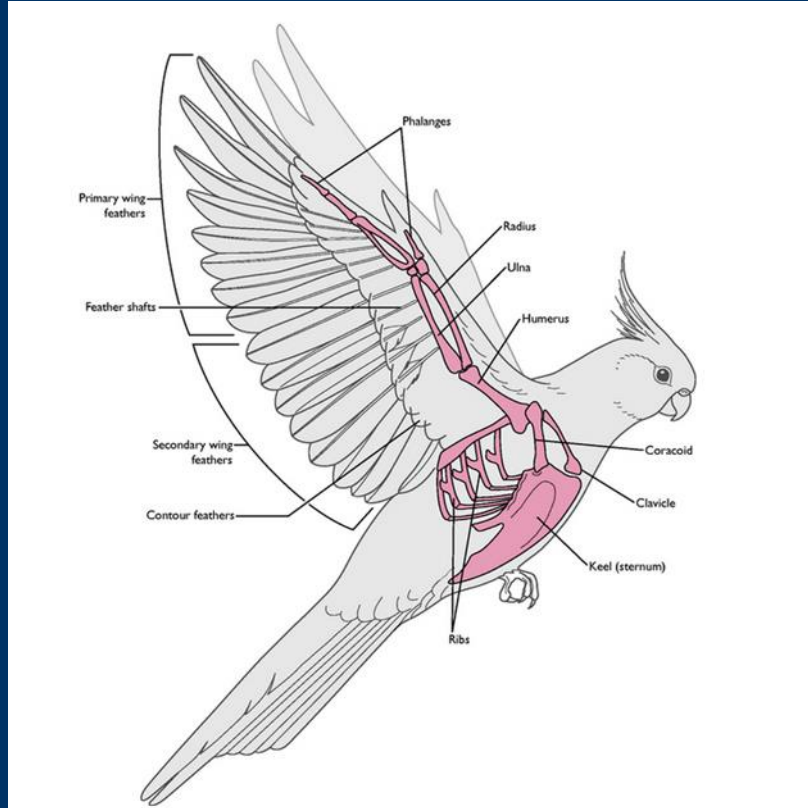
Skin



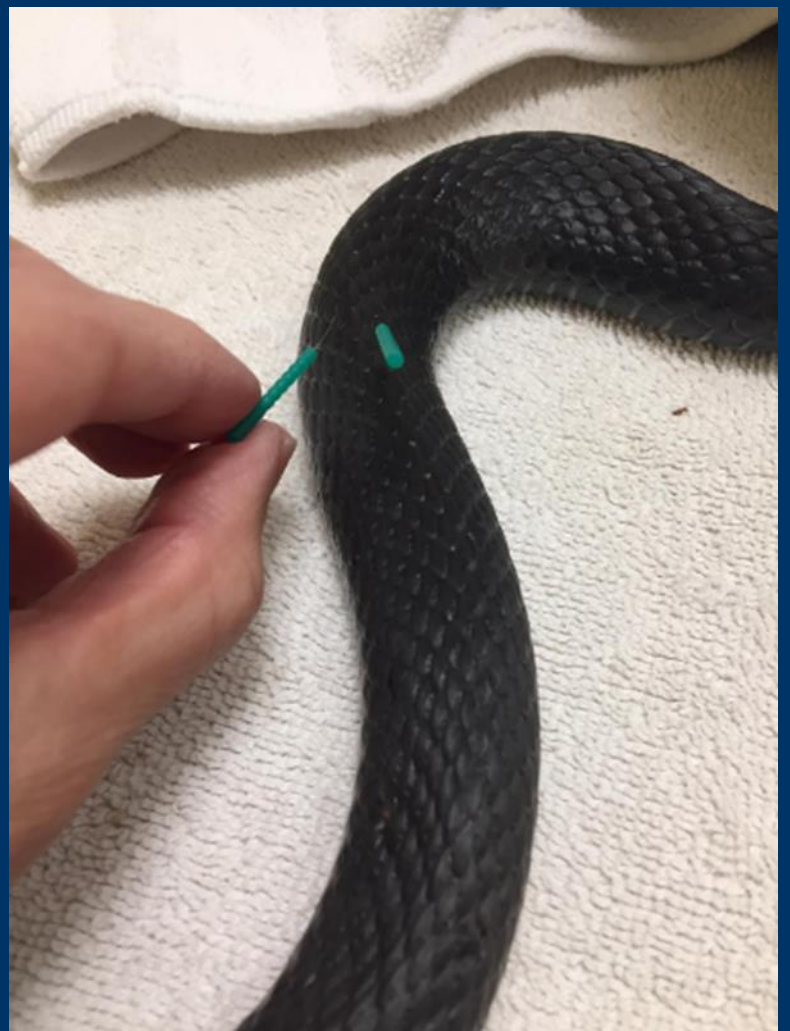
Skin



Feathers, Fur, & Scales



Feathers, Fur, & Scales





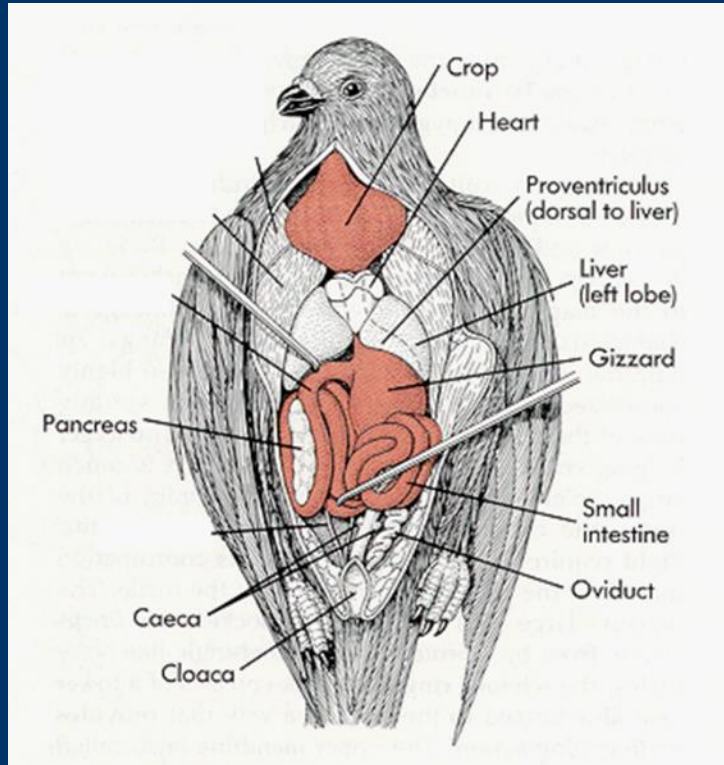
Feathers, Fur, & Scales



Feathers, Fur, & Scales



+/- Crop



Tube-feeding



Shoulders - Birds

Clavicle
Coracoid
Scapula



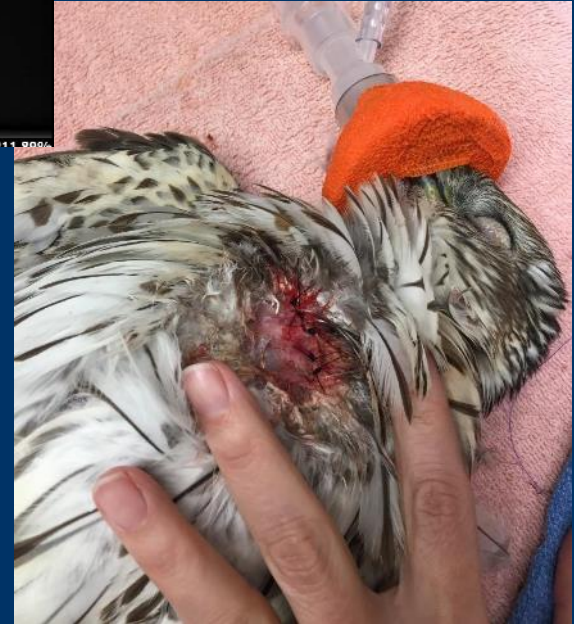
Shoulders - Birds

Palpable?

Clavicle ✓

Coracoid ✗

Scapula ✓



Front limbs



Shoulders - Mammals

+/- Clavicle
Coracoid
Scapula

ID : 2018-0011
Name : MWRC LYRU
O/OY
TOS : 10:19:27

Study Date : 1/18/2019
TOI : 10:40:28
85 kVp
2.500 mAs
250 mA
10 ms



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Referring Physician :

Screen Zoom : 211.89%
Step : Thorax LAT

Front limbs

Humerus

Radius/Ulna

Carpal bones (2)

Metacarpals

Digits



Front limbs

Figure of 8 – above
elbow!!

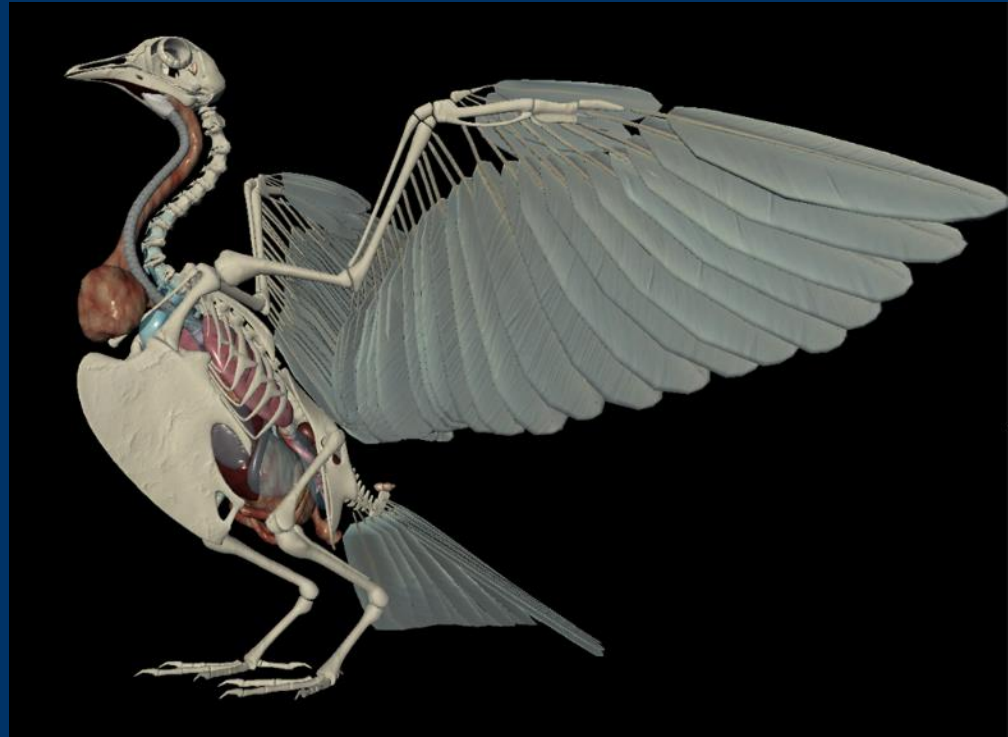
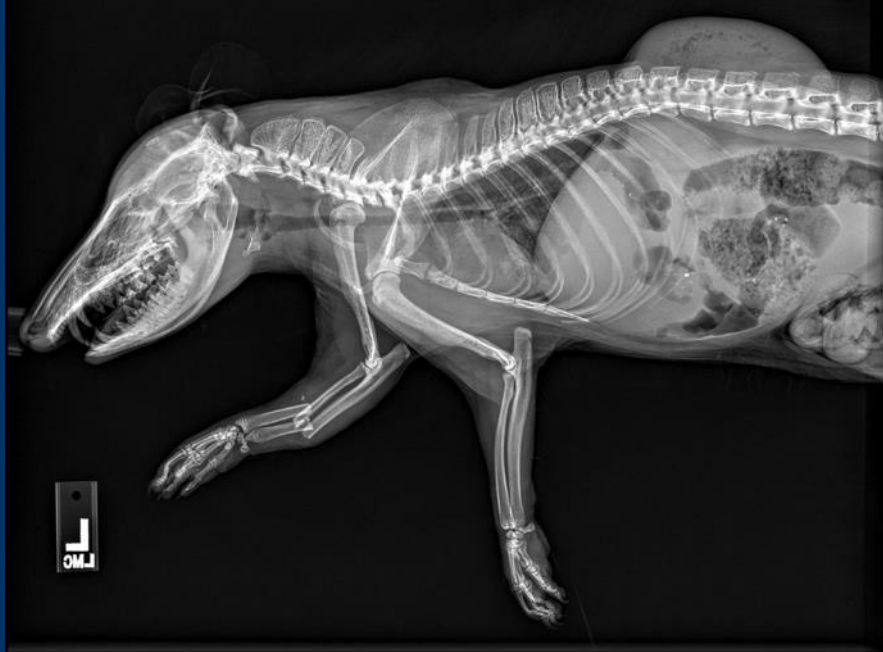


Front limbs

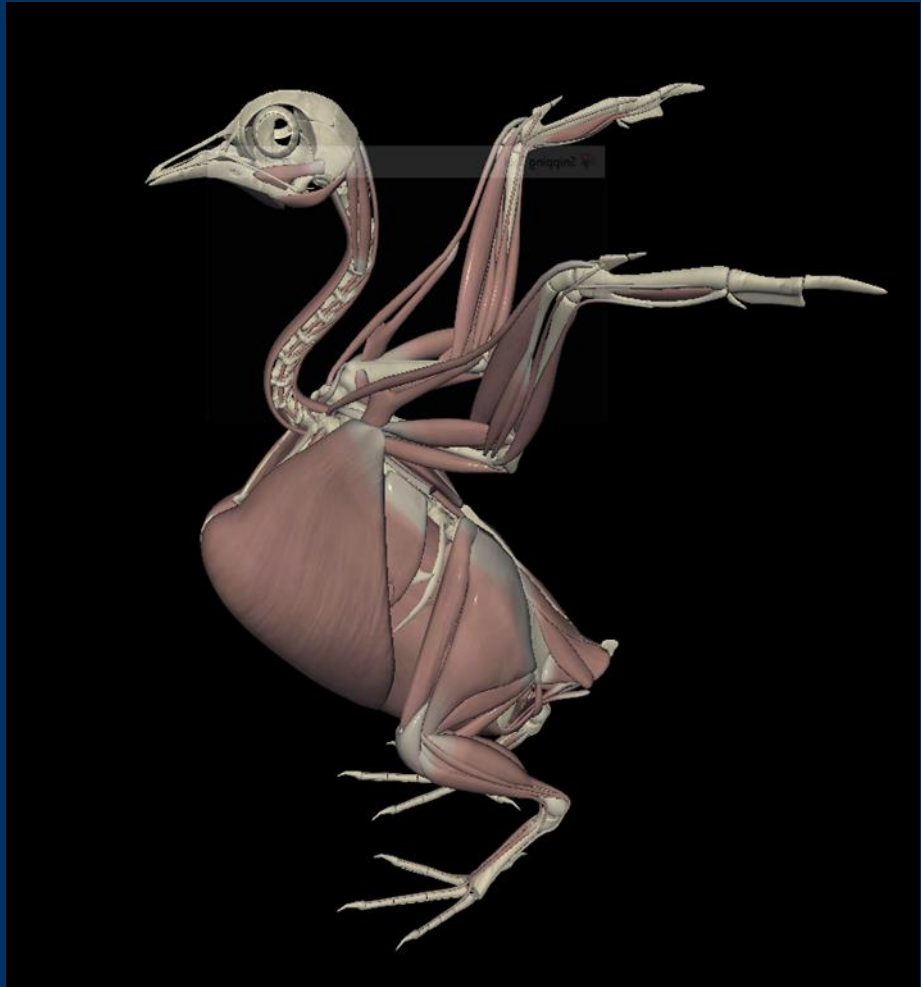
Humerus
Radius/Ulna
Carpal bones
Metacarpals
Digits



Sternum



Keel score /
Body condition
score:
Palpate pectoral
muscle



Carapace, plastron, & bridge



ID : 2019-0411
Name : HWRC CHSE
O/OY
TOS : 10:29:08

R
LMC

Study Date : 5/23/2019
TOT : 12:24:24

70 kVp
5 mas
400 mA
1.2 ms

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Referring Physician :

Screen Zoom : 211.89%
Step : Turtle, Turtle

Carapace
fracture:

Into coelom?

Lung involvement?

Spinal trauma?





Air sacs

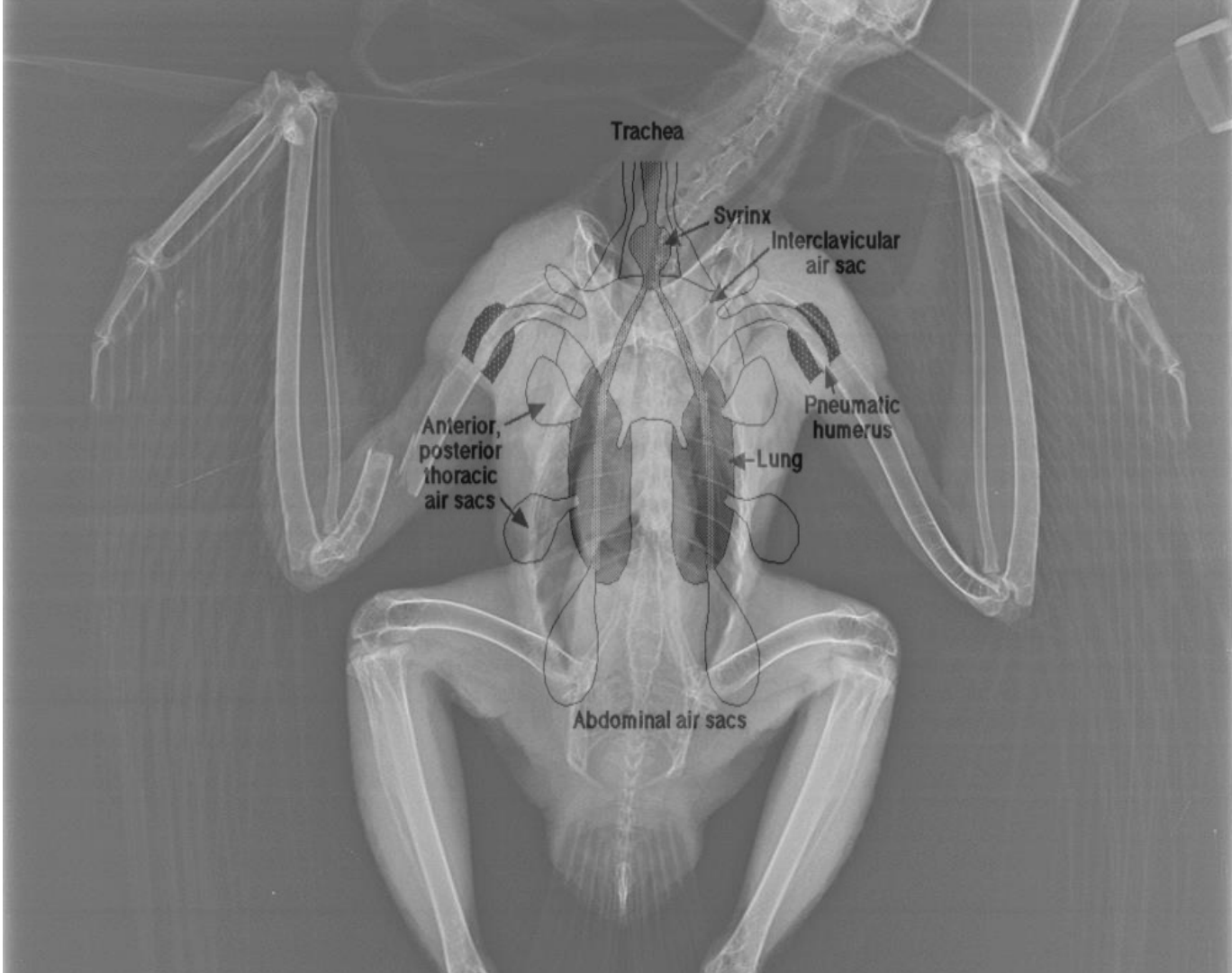
Cervical (2)

Interclavicular (1)

Cranial thoracic (2)

Caudal thoracic (2)

Abdominal (2)



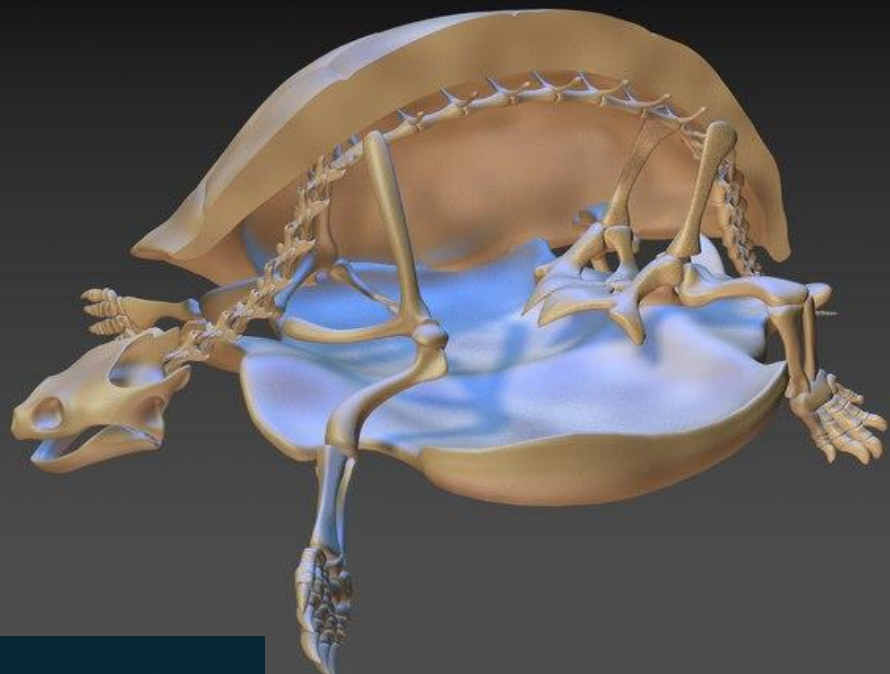
Spine





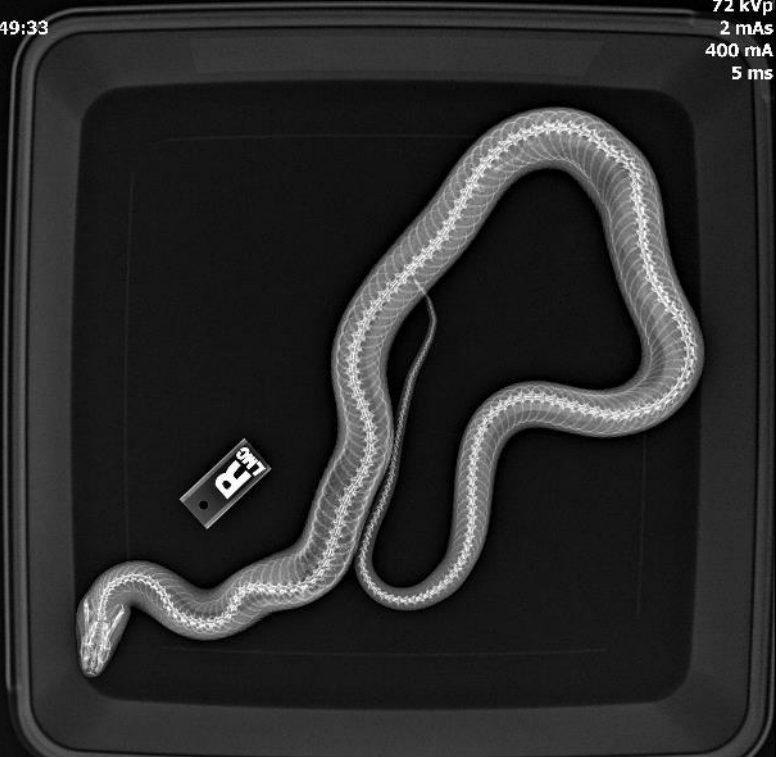
Spine





ID : 2022-0564
Name : MWRC NESI
Q/OY
TOS : 12:49:33

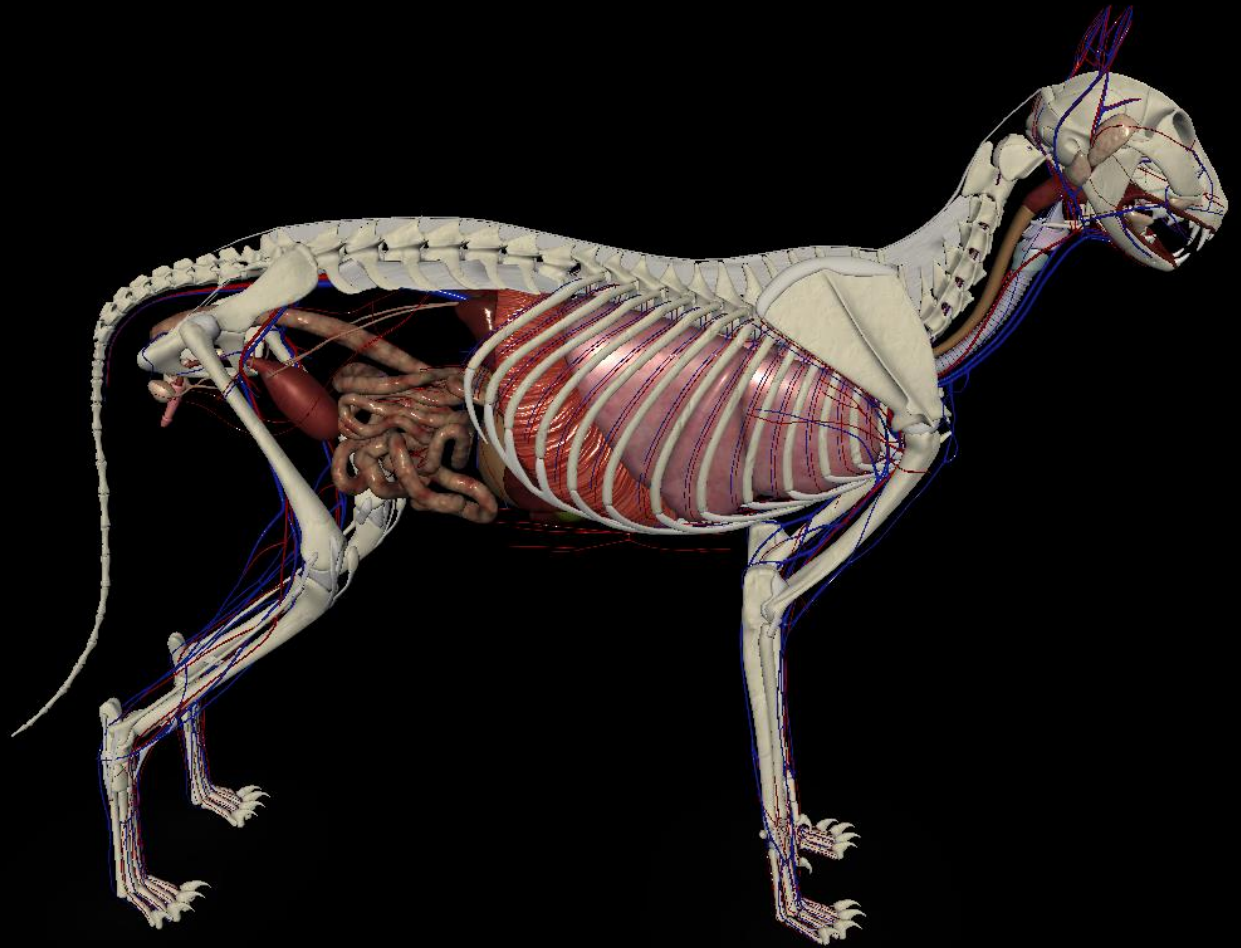
Study Date : 12/29/2022
TOI : 12:56:52
72 KVp
2 mAs
400 mA
5 ms



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Referring Physician : Amber McNamara DVM CVA

Screen Zoom : 211.89%
Step : Snake Snake

Lumbar
area, pelvis,
hips



Lumbar area,
pelvis, hips

Synsacrum



ID : 2022-1169

Name : MWRC TURK

O/Y

TOS : 08:24:58

Study Date : 10/31/2022

TOI : 09:57:13

73 kVp

2.500 mAs

250 mA

10 ms



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Referring Physician :

Screen Zoom : 211.89%

Step : Bird LAT

Lumbar area, pelvis,
hips



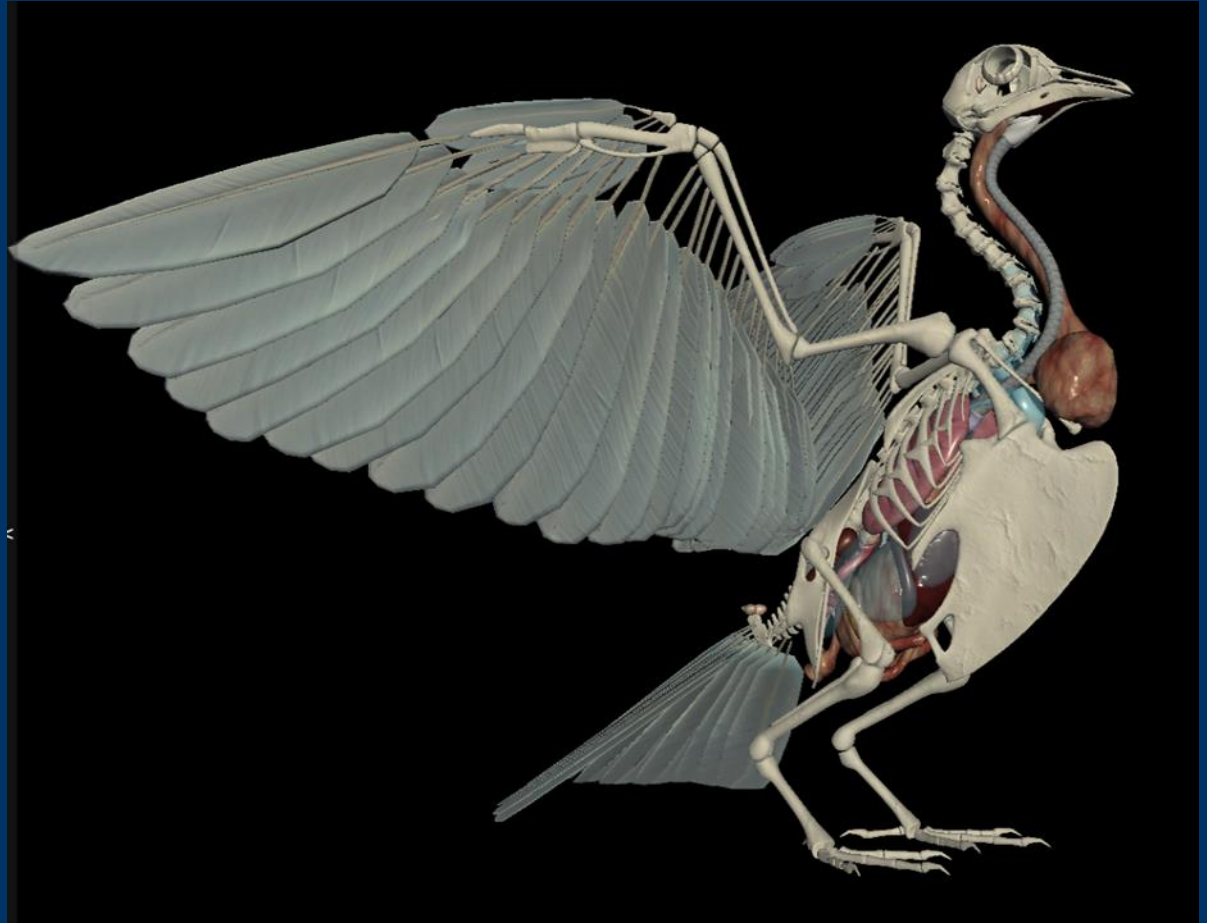
Hind limbs

Femur

Tibiotarsus

Tarsometatarsus

Digits



Fractures??

:57:06
R
LMC

2.5





Femur
Tibia/fibula
Tarsal bones
Metatarsals
Digits



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Screen Zoom : 211.89%

Fractures??



Feet



MON@RCH'S NATURE BLOG



Uropygial gland, vent, rectum, and tail





Questions?



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