

STEPS TO REMOVING THE MANATEE EARBONE

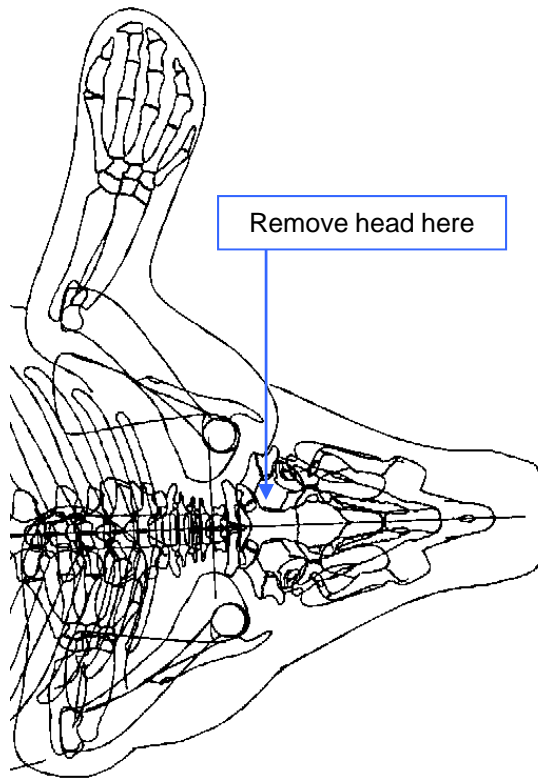
Draft: Works in progress



Right earbone

Left earbone

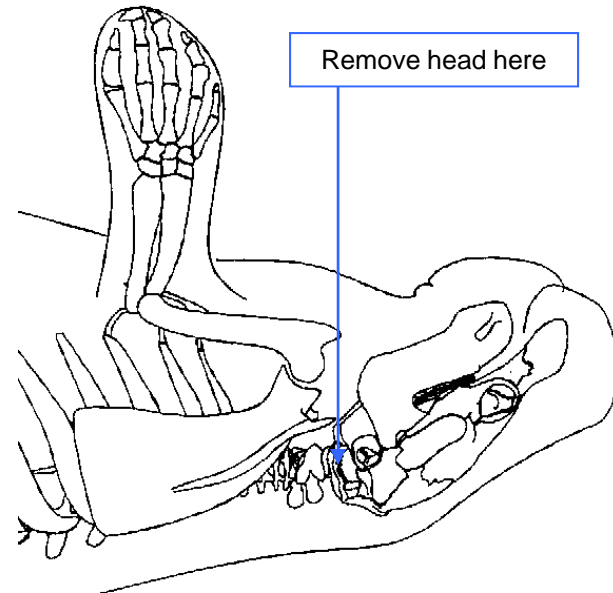
Base of skull



Remove head here

© Rommel

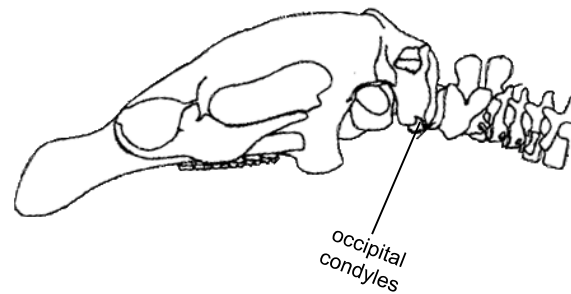
Ventral view



Remove head here

Lateral view

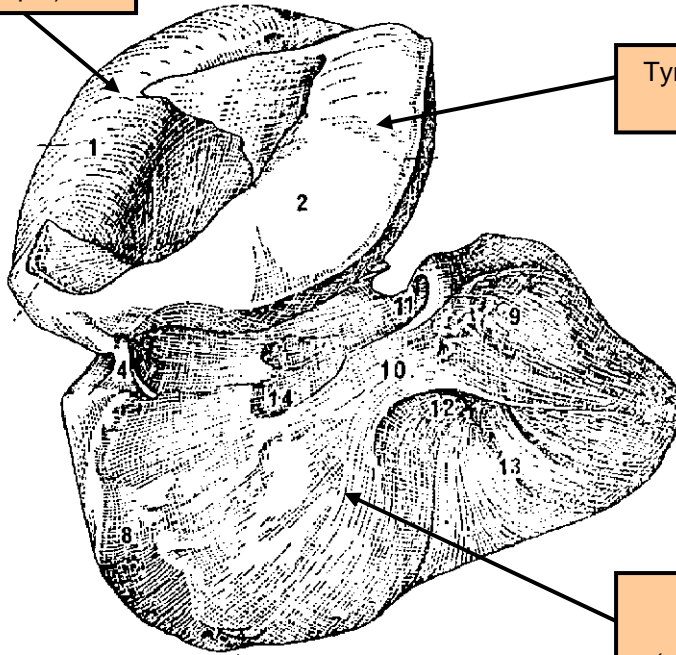
STEP 1: Remove head at occipital condyles (as pointed out above)



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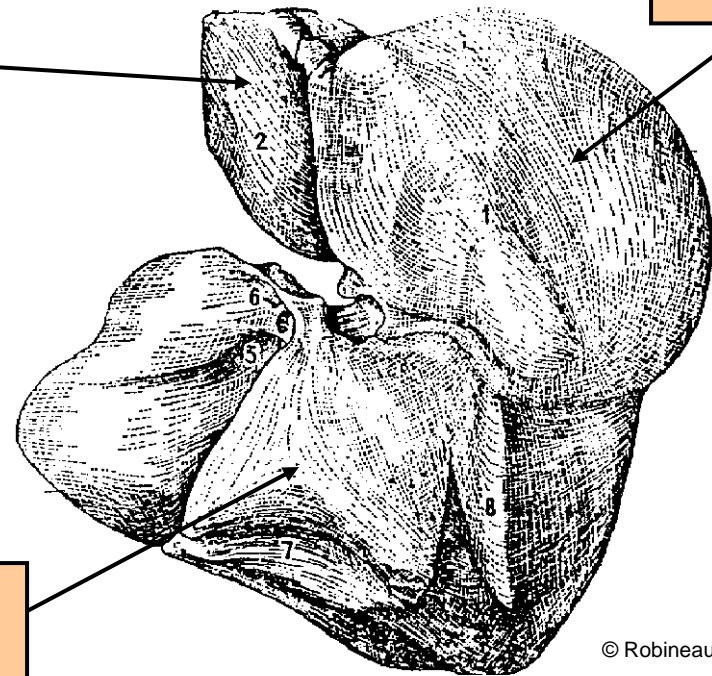
EARBONE

Periotic bone
rostral lobe*
(Step 4)



Tympanic Bone
(Step 3)

Periotic bone
rostral lobe*
(Step 4)

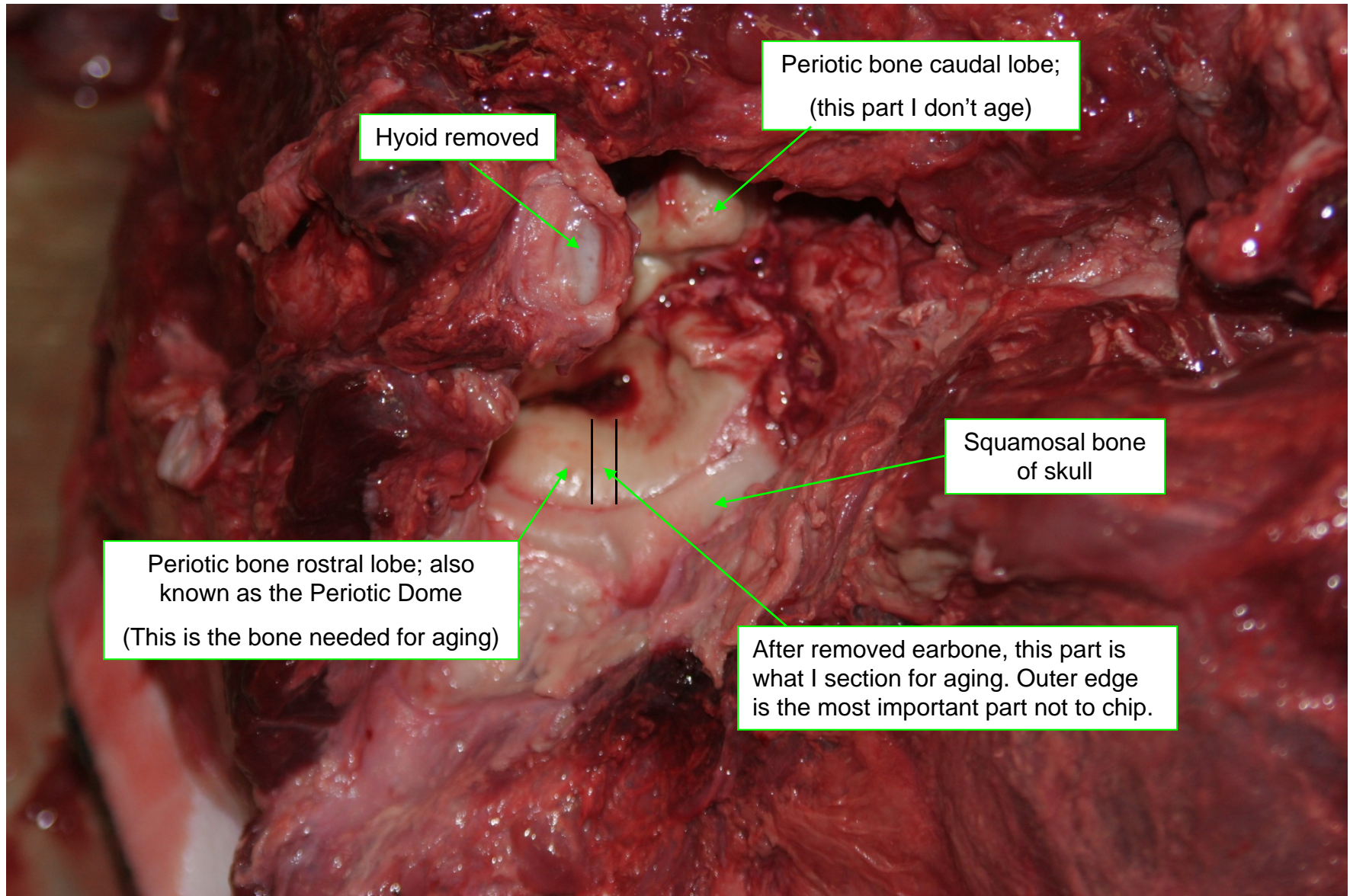


Periotic bone
caudal lobe
(part not needed)

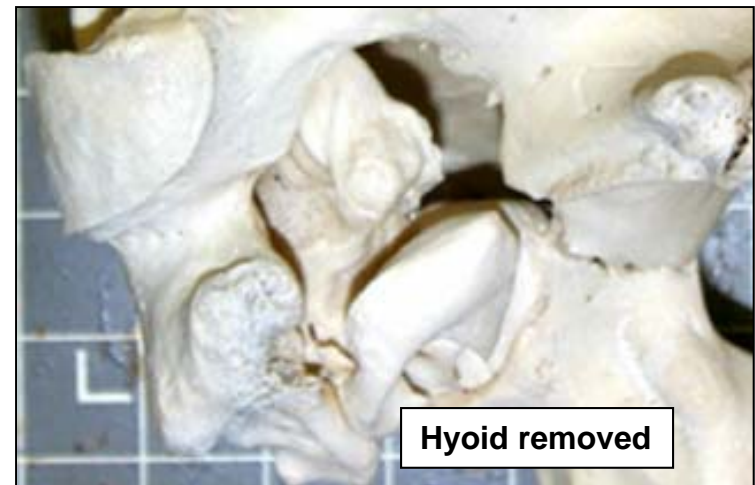
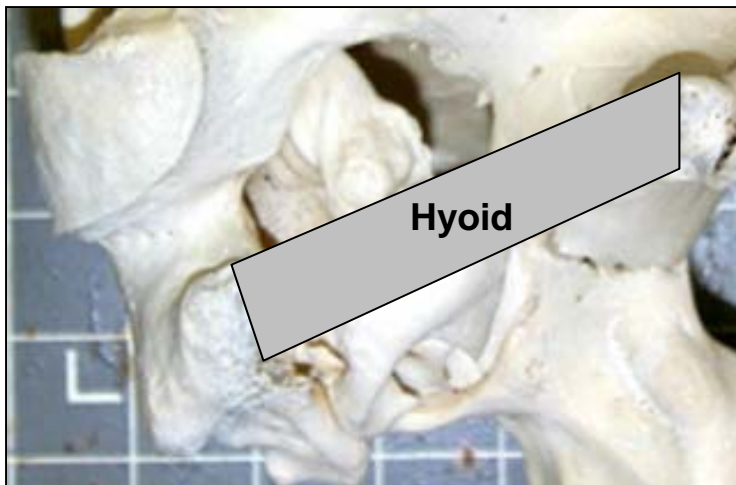
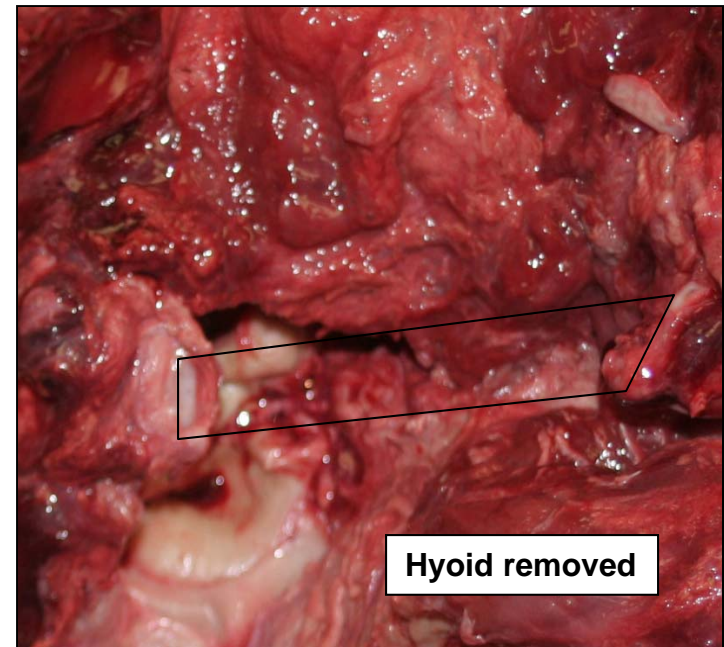
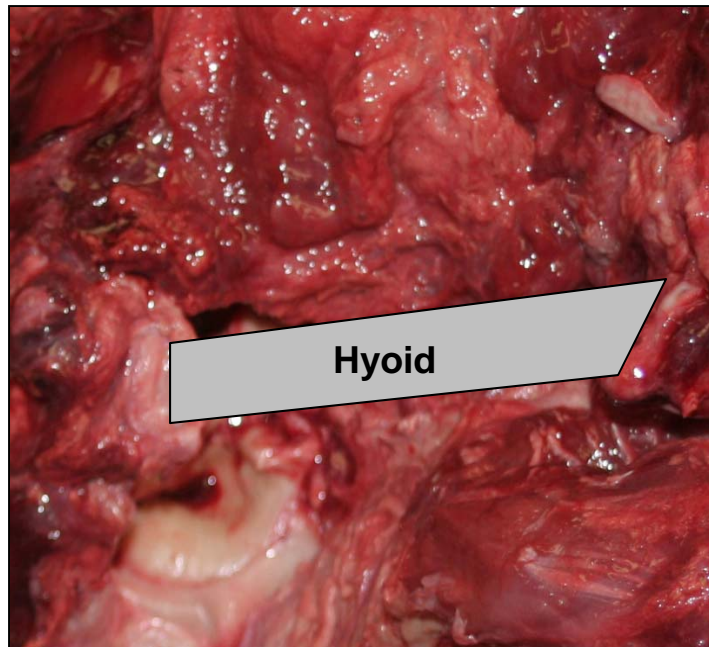
© Robineau

*=The important part of the earbone needed for aging

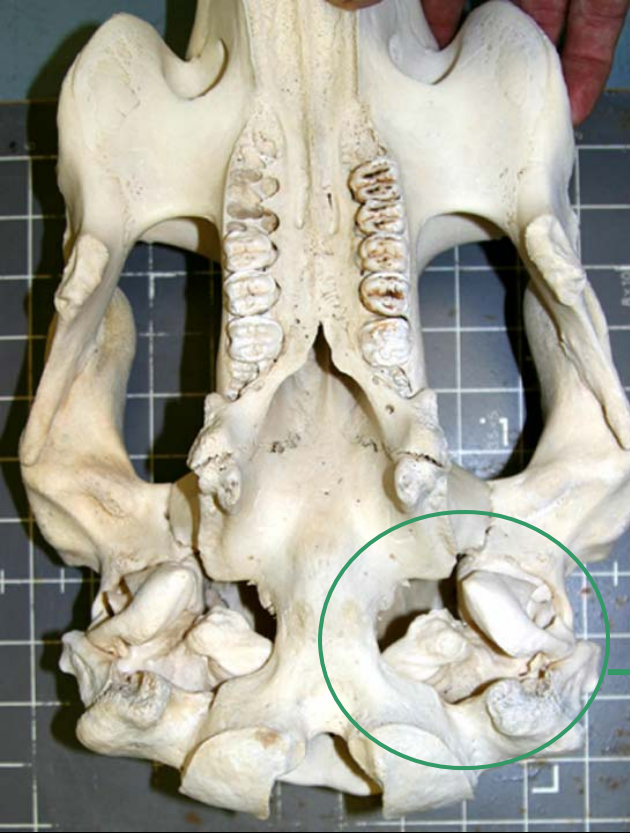
Anatomy of the Earbone



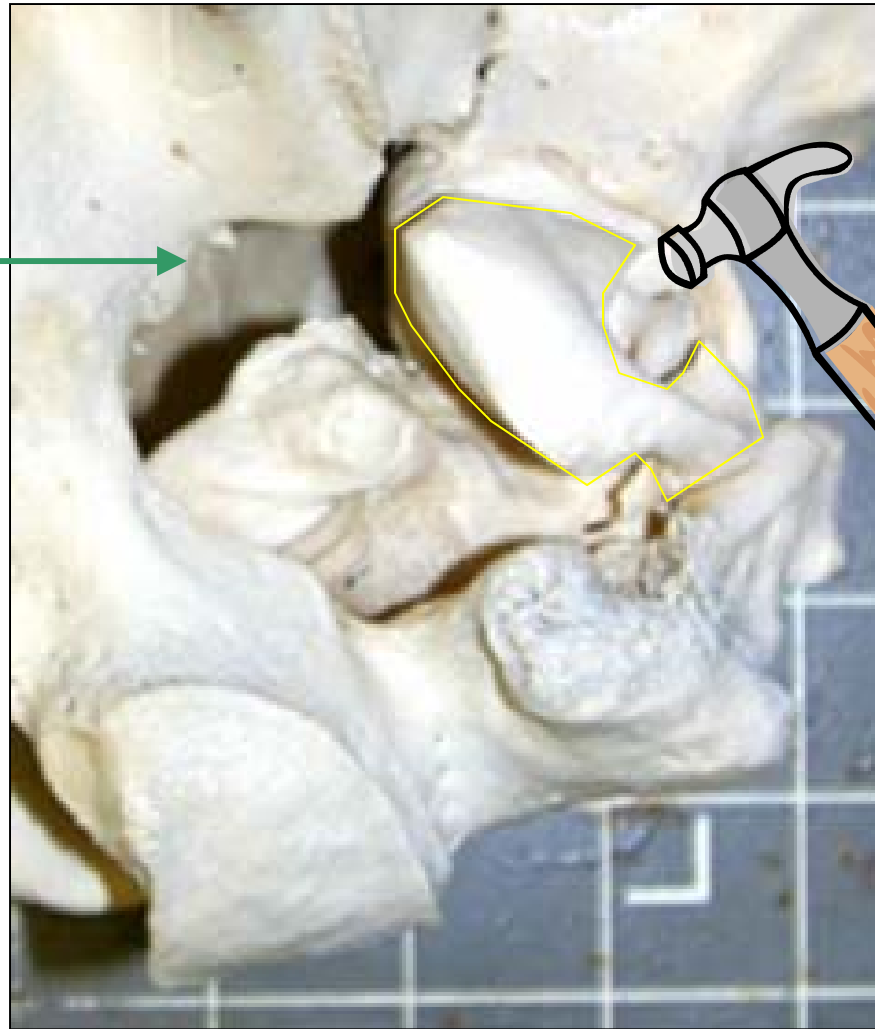
Back of head -----> Front of head

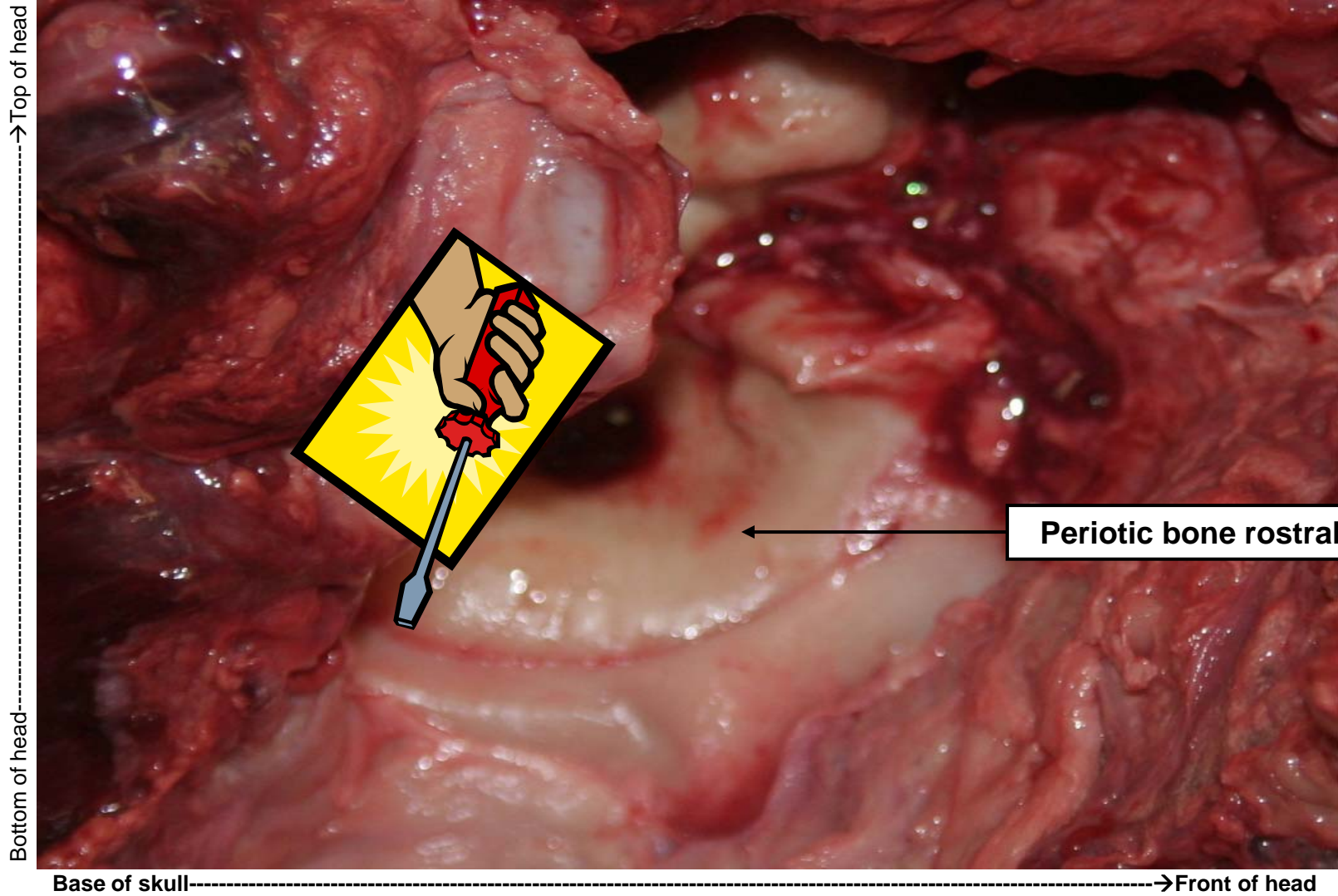


STEP 2: The hyoid is the first bone that is totally removed. Use your hands to move it back and forth to determine where to cut on either end to remove it. Removing this bone gives us access to take out the earbone.



STEP 3: Once you've removed the hyoid, the tympanic bone (outlined in yellow) is the first bone to remove to get to the earbone. You use the hammer by hitting it on the side not the top of the bone to make it loose and pull it out. The tympanic bone is not used so it may be discarded. Underneath this bone should be 3 other small loose bones that can be removed as well.





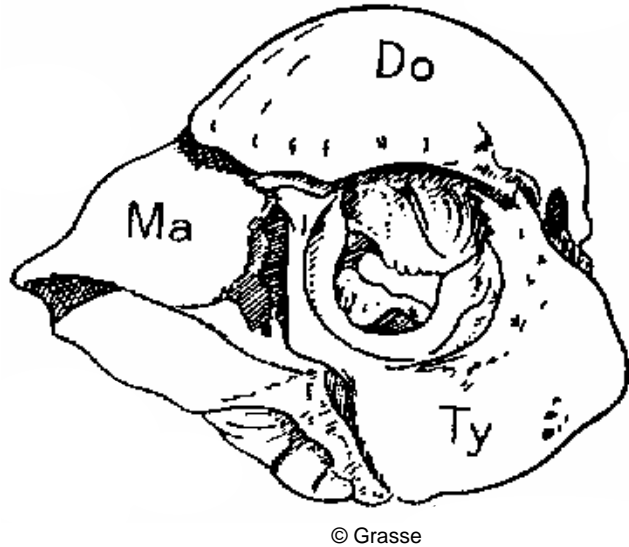
STEP 4: Insert flathead screwdriver as pictured, between the two lines. Use fingers to feel placement.



STEP 5: The entire earbone complex removed and what should be stored in the jar after rinsing the earbone off.

Once the entire earbone complex is removed, follow these steps:

- Make waterproof label, writing in **PENCIL** on BOTH FRONT & BACK of label the manatee field ID# and earbone



- Place label on bottom of glass earbone jar
- Use only medium size glass earbone jar
- Wash off the earbone with water
- Leave the earbone dry in the jar and store it till transferred to MMPL