

Muscles of Mastication Group

Client: Dr. McLean Gunderson - mclean.gunderson@wisc.edu

Advisor: Dr. Cameron Casey - cpcasey3@wisc.edu

Team: Jensen Weik - jweik@wisc.edu (Leader)

Kaiya Merritt - kgmerritt@wisc.edu (Communicator)

An Hua - ahua4@wisc.edu (BPAG)

Noah Kalthoff - nkalthoff@wisc.edu (BSAC)

Leah Nelson - lnelson7@wisc.edu (BWIG)

Date: September 6 to September 12, 2024

Problem Statement

In veterinary anatomy education, there is a notable absence of interactive, hands-on models that illustrate the muscles of mastication for both carnivores and herbivores. This gap limits students' ability to engage in effective learning and understanding of the complex relationships between muscular and bony structures. Our goal is to develop these models and color-code the muscles to enhance educational engagement and replicate the accurate visualization of muscle function.

Brief Status Update

We have just begun the preliminary stages of design by becoming acquainted with our new team and project. The team is focussing on compiling a list of questions for Dr. Gunderson for our meeting on Friday, September 12.

Summary of Weekly Team Member Design Accomplishments

- Team:
 - Begin research and develop questions for our client
- Jensen Weik:
 - Created the team drive and notebook
 - Started preliminary research to compile a list of questions for our client
 - Reviewed material given by the client
- Kaiya Merritt:
 - Sent out the first email to our client and set up a time to meet with her.
 - Looked at and watched the supplementary material she gave us and began to take notes on those items.
- An Hua:

- Began initial research and looked over given material
- Brainstormed questions to ask the client at our scheduled meeting
- Noah Kalthoff:
 - Started to begin introductory research on the muscles of mastication
 - Having the first BSAC meeting, getting to know what the whole process is about
- Leah Nelson:
 - Uploaded the group picture and description to our website
 - Began initial research on the material the client provided

Weekly/Ongoing Difficulties

We have not had any difficulties yet.

Upcoming Team and Individual Goals

- Team:
 - Delegate different research topics to different members of the team.
 - Set goals, expectations, and decide what elements of the project we want to focus on this semester.
- Jensen Weik:
 - Print out completed list of questions to ask during Friday's meeting
 - Continue research
- Kaiya Merritt:
 - Email client our progress report.
 - Start to conduct research and work on the PDS for our project.
- An Hua:
 - Continue researching
 - Prepare to meet with the client
- Noah Kalthoff:
 - Continue to develop a better understanding of the anatomy of the chewing muscles
 - Get ready to sit down and talk with our client
- Leah Nelson:
 - Continue with research
 - Upload progress report to our website

Component 3									
TOTAL:								\$0.00	

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TOTAL:

\$0.00