

Optimal Strategies to Relieve Tissue Congestion

Client: Doug Reinemenn, Ph.D

Team Members: Chelsea Wanta (Co-Leader)

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Problem Statement:

To design a new and efficient milking machine teat attachment. The design of current milking devices on the market often cause many tissue congestion problems in cows, which can lead to hyperkeratinization and infection. The new attachment must use a vacuum to draw milk out while providing simultaneous compression of the teat to better reduce tissue congestion in the teats. The attachment must also milk at speeds comparable to current milking devices.

Last Week's Goals

- Brainstorm ideas
- Continue individual background research
- Contact Paul Thompson from Boumatic
- Meet with client about new ideas

Summary of Accomplishments

- Had client meeting
- Had group meeting to compile results of research
- Contacted Paul Thompson
- Continued Brainstorming

This Week's Goals

- Continue Brainstorming and research if necessary
- Begin work on PDS Report

Project Difficulties

- Designing a device that will reduce tissue congestion yet maintain fast milking speeds

Activities

- Everyone in the group met to compile and share the information found from individual research
- Split up PDS Report sections between group members

