

Optimal Strategies to Relieve Tissue Congestion

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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

- Assign team roles

Summary of Accomplishments

- Assigned team roles

This Week's Goals

- Meet with client
- Conduct individual background research

Project Difficulties

- Finding times when everyone in the group can all get together for meetings

Activities

- Everyone is doing their own background research on cow milking, tissue congestion, and current milking devices

Expenses

- None to report so far

