

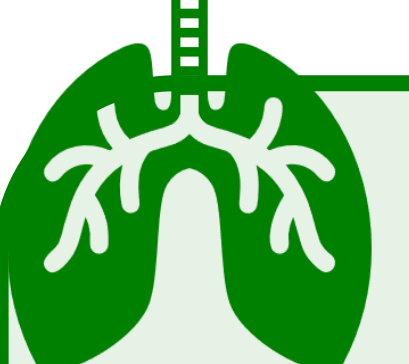
Background

- >120,000 calves exported to continental Europe annually for beef and veal
- Growing concern for welfare of these calves

“Moove” project objective


To investigate and improve the health & welfare of unweaned dairy calves undergoing long-distance transport

Assessing welfare parameters

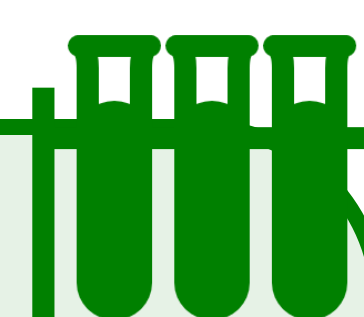


Health

- Lung ultrasound
- Rectal temperature
- Eye/nose discharge
- Faecal consistency




Body weight



Blood

- Energy balance
- Hydration
- Immune status
- Stress




Behaviour

- Lying time
- Step count
- Vocalisation

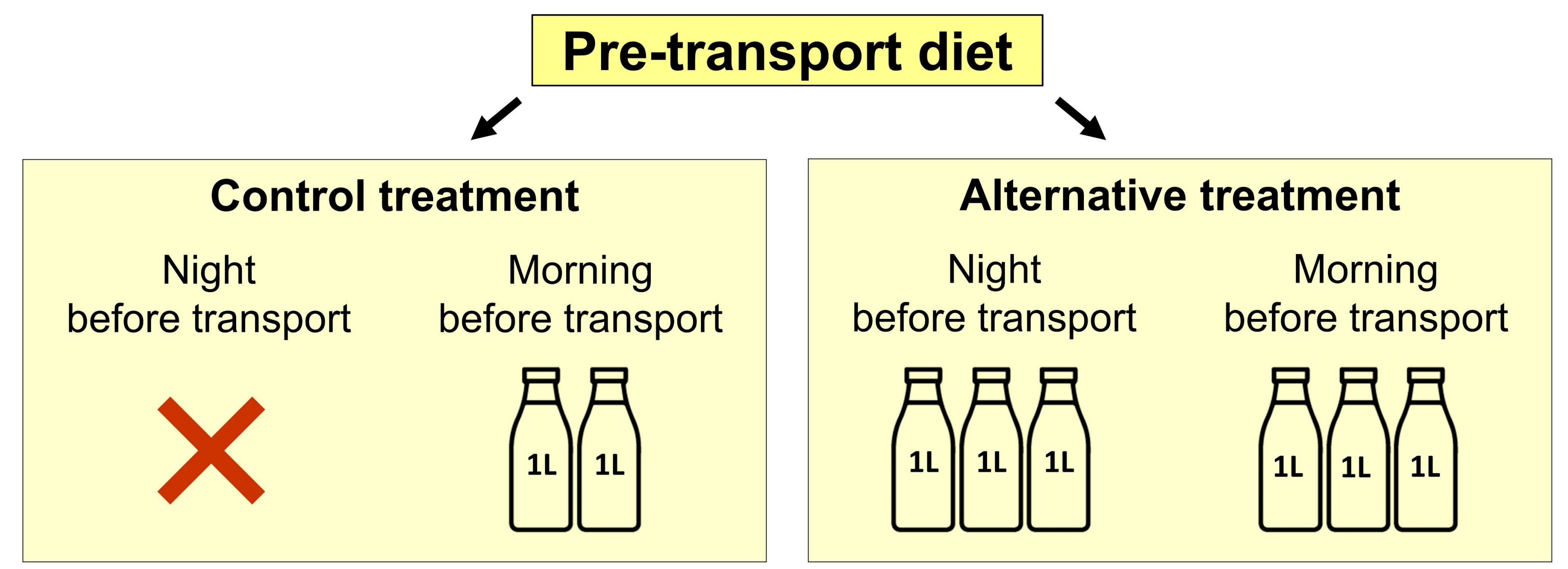
...using sensor technologies

Glucose monitor



Activity sensor

Can feeding strategies improve welfare?



Take home message

Scientific data on the health and welfare status of calves undergoing long-distance transport is required to optimise transport conditions