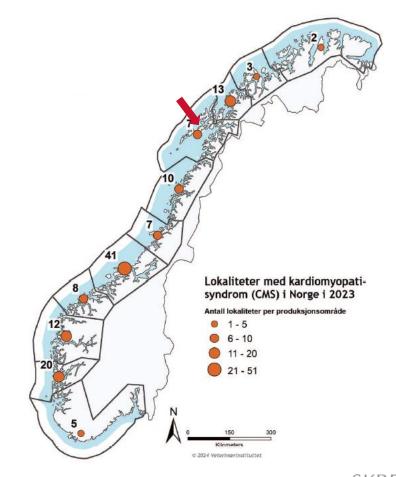


An atypical course of CMS in farmed A. salmon fed a clinical nutrition diet

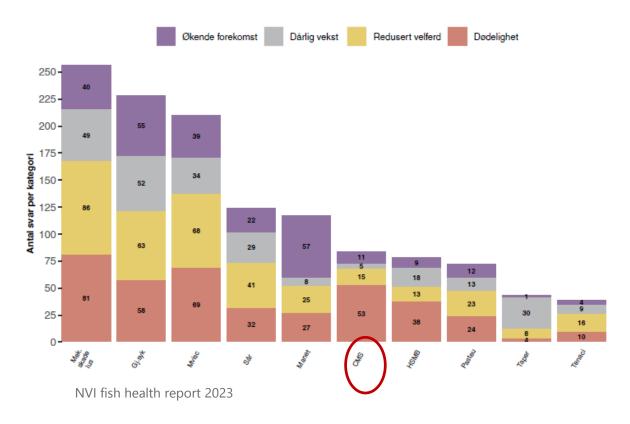
Julia Mullins on behalf of Johan Rennemo et al. 24 April 2024

Outline

- Background
- Timeline
- Results
- Summary

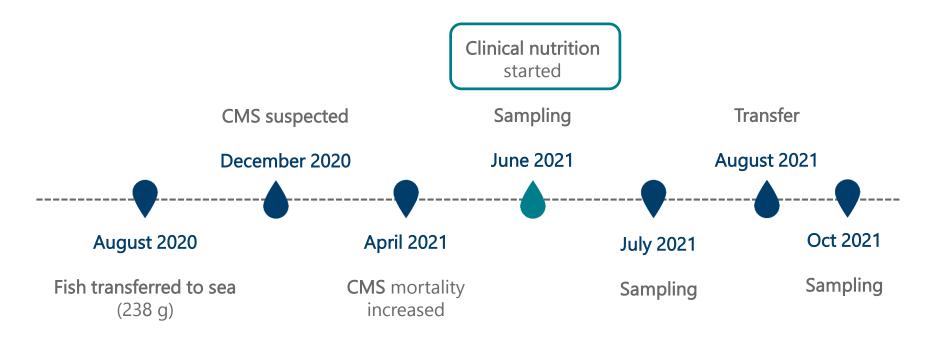


Background





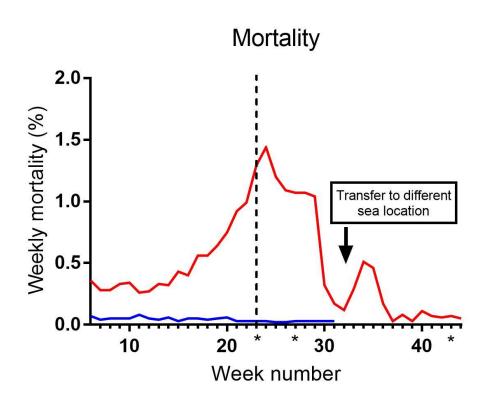
Timeline



Water temperature 8-10 C



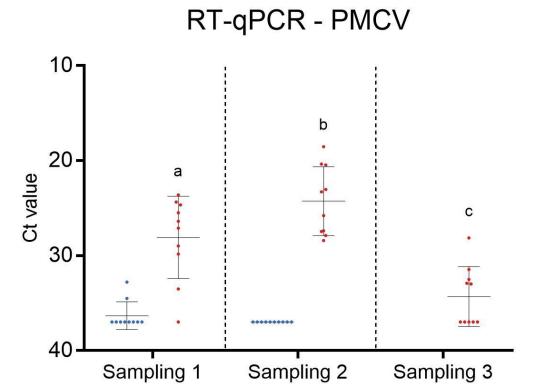
Timeline



- -- Aqura started
- * Samplings
 - Histo
 - ISH
 - RT_qPCR
 - Fatty acid composition

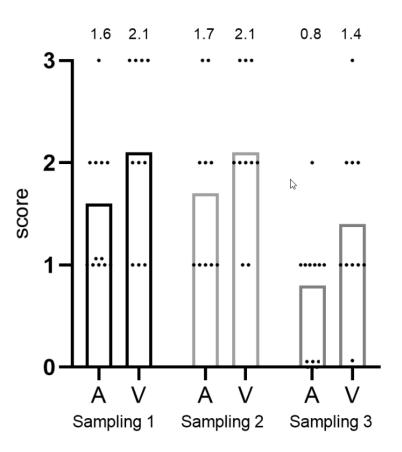


Results





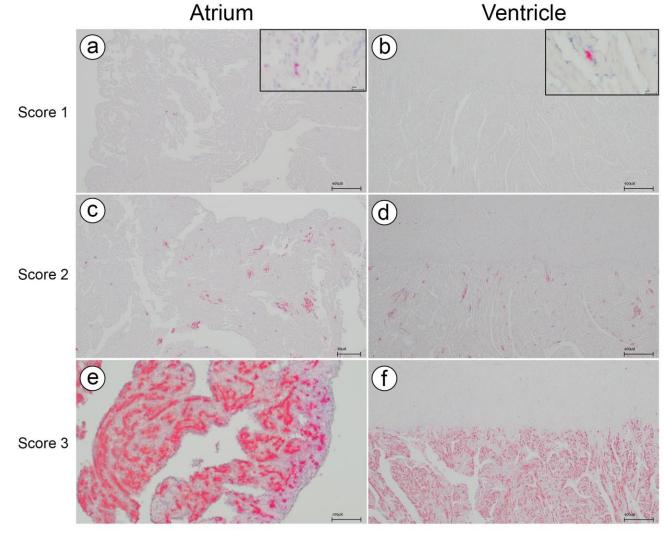
Histopathological score



Timmerhaus et al. BMC Genomics 2011, 12:459 http://www.biomedcentral.com/1471-2164/12/459

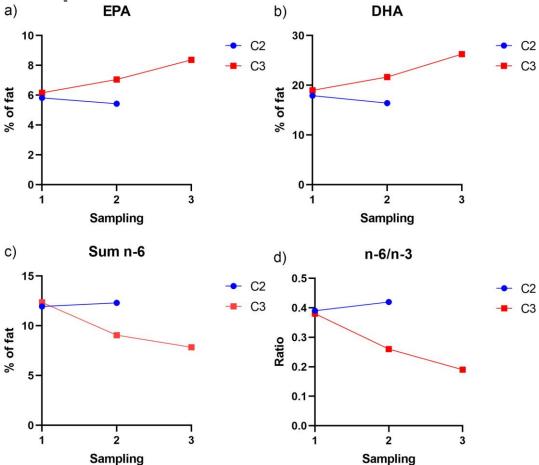


ISH





Cardiac fatty acid profile





Summary



Clinical nutrition alleviated the impact of CMS



Decline in mortality



Reduction in heart histo scores



Reduction in inflammation in the heart



Decrease in the viral load of PMCV







Article

An Atypical Course of Cardiomyopathy Syndrome (CMS) in Farmed Atlantic Salmon (Salmo salar) Fed a Clinical Nutrition Diet

Johan Rennemo ¹, Kjetil Berge ¹, Muhammad Naveed Yousaf ², Tommy Berger Eriksen ², Eirik Welde ³, Camilla Robertsen ³, Bjarne Johansen ³, Charles McGurk ², Espen Rimstad ⁴, Erling Olaf Koppang ⁵ and Håvard Bjørgen ⁵,*

Microorganisms 2024, 12, 26. https://doi.org/10.3390/ microorganisms12010026

