

Old diseases and new trends in Danish rainbow trout farming



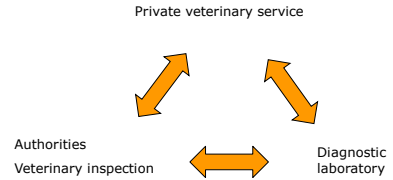
(everything is multifactorial)

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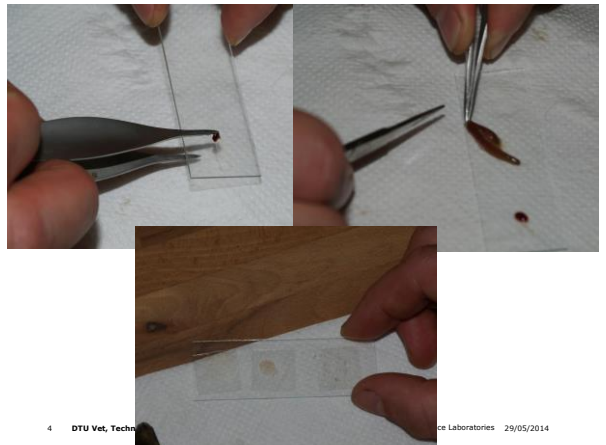
DTU Vet
National Veterinary Institute

Structure of disease management in Danish aquaculture



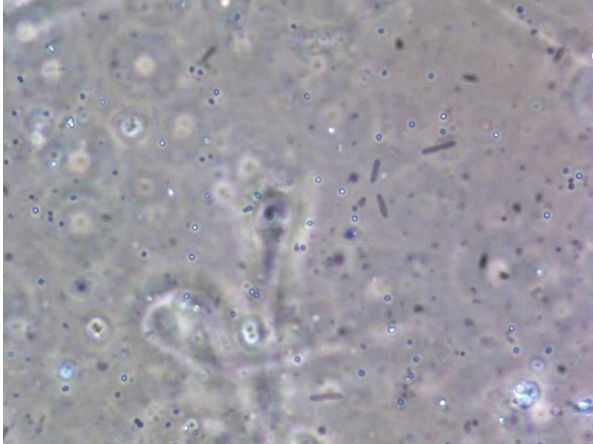
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Presentation name 17/04/2008



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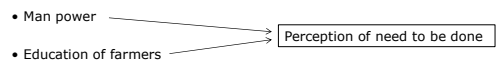
New disease ?

New practice ?



Management changes

- Traditional earth-pond system
- Recirculating Aquaculture Systems
- Environmental issues



Management changes



- Diagnostic and treatment
 - Fast reaction and initiation of treatment
- Prophylaxis
 - Vaccination
 - Hygiene
 - Water quality
 - Feeding

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Viral diseases



- VHSV ☺
- IPNV

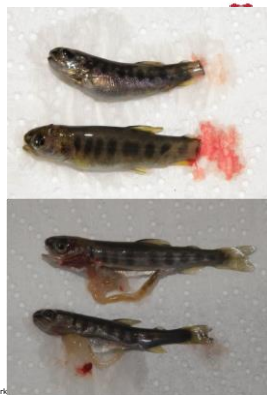


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Bacterial diseases



- *Flavobacterium psychrophilum*
- *Yersinia ruckeri*



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Bacterial diseases



- *Aeromonas salmonicida*
- *Vibrio anguillarum*



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Bacterial diseases

Renibacterium salmoninarum

Bacterial gill diseases and columnaris disease

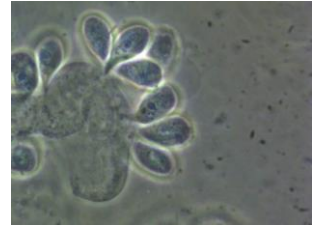
Start feeding enteritis

Rainbow trout gastroenteritis



Parasitic diseases

- *Ichthyophthirius multifiliis*
- *Ichthyobodo necator*
- *Tetracapsuloides bryosalmonae*

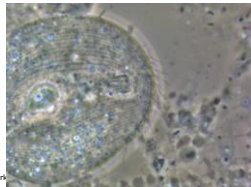


Parasitic diseases

- Gill amoebas



- Opportunistic parasites
(*Gyrodactylus*, *trichodina*, *Chilodonella*)





Fungal (Oomycete) infections

- *Saprolegnia* infections