

**From:** Garver, Kyle <garverk@dfo.mpo.com>  
**Sent:** Wednesday, January 28, 2009 9:09 AM  
**To:** Traxler, Garth <Garth.Traxler@dfo-mpo.gc.ca>  
**Subject:** FW: Marine Anemia. Plasmacytoid Leukemia or whatever you want to call it!

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Sonja thoughts on MA below

kyle

-----Original Message-----

**From:** Sonja Saksida [mailto:smsaksid@oberon.ark.com]  
**Sent:** January 28, 2009 6:31 AM  
**To:** Garver, Kyle  
**Subject:** RE: Marine Anemia. Plasmacytoid Leukemia or whatever you want to call it!

Hi Kyle –

PL or Marine Anemia is still something we see from time to time – this presentation however is very different. PL – we see enlarged spleens and kidneys and the fish are very pale. When I found VEN in the past the presentation was very much like PL. VEN was diagnosed this time of year too.

This jaundice thing – appear to be seasonal - worse this time of year- livers very yellow, in fact the whole fish is very yellow. Kidney's don't look swollen. However similar to PL we don't see slow swimmers – I think the fish swim until they die – so fairly acute.

This is unlike with BKD where you can see a lot of slow swimmers - chronic

As for the paper- we rarely saw serious PL or MA in coho. The year I had VEN in the Chinook, there were Coho on the same site and they were fine. So I'm not sure if what the Chileans are describing in Coho is the same thing we are seeing in the Chinook here but hey bucko that's for you to figure out.

I like the idea of trying to pass it on to some healthy fish to see if it is infectious.

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**From:** Garver, Kyle [mailto:Kyle.Garver@dfo-mpo.gc.ca]  
**Sent:** January 27, 2009 4:24 PM  
**To:** Sonja Saksida  
**Subject:** Marine Anemia. Plasmacytoid Leukemia or whatever you want to call it!

Hey Sonja,

What is your opinion on the Creative Salmon Chinook having what was known as marine anemia or PL disease? Is it possible that this disease could be rearing its ugly head again. I think we may try passing homogenates from the fish we got yesterday into some healthy fish to see if it is actually an infectious agent.

Interesting article that Gary found: Smith et al. 2006 is does seem very similar to the signs exhibited by the "Yellow" chinook. Could we all be looking at the same disease...Marine anemia?

Something to think about.

Cheers,  
Kyle

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