

Table

1. Sørensen LK, Havemose-Poulsen A, Bendtzen K, **Holmstrup P**. Aggressive periodontitis and chronic arthritis: blood mononuclear cell gene expression and plasma protein levels of cytokines and cytokine inhibitors. *J Periodontol* 2009 Feb;80(2):282-9.
2. Sørensen LK, Havemose-Poulsen A, Sønder SU, Bendtzen K, **Holmstrup P**. Blood Cell Gene Expression Profiling in Subjects with Aggressive Periodontitis and Chronic Arthritis. *J Periodontol* 2008 March 29 (3)477-485.
3. Havemose-Poulsen A, Sørensen LK, Bendtzen K, **Holmstrup P**. Polymorphisms within the IL-1 gene cluster: effects on cytokine profiles in peripheral blood and whole blood cell cultures of patients with aggressive periodontitis, juvenile idiopathic arthritis, and rheumatoid arthritis. *J Periodontol*. 2007 Mar;78(3):475-92.
4. Havemose-Poulsen A, Westergaard J, Stoltze K, Skjødt H, Danneskiold-Samsøe B, Locht H, Bendtzen K, **Holmstrup P**. Periodontal and hematological characteristics associated with aggressive periodontitis, juvenile idiopathic arthritis, and rheumatoid arthritis. *J Periodontol*. 2006 Feb;77(2):280-8.
5. Havemose-Poulsen A, Sørensen LK, Stoltze K, Bendtzen K, **Holmstrup P**. Cytokine profiles in peripheral blood and whole blood cell cultures associated with aggressive periodontitis, juvenile idiopathic arthritis, and rheumatoid arthritis. *J Periodontol*. 2005 Dec;76(12):2276-85.

	J Peridontal 2009;80:282-289	J Peridont 2008;79:477-485	J Peridont 2007;78:475-492	J Peridont 2006;77:280-288	J Peridont 2005;76:2276-2285
Article number	1	2	3	4	5
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Outcome	PBMC transcripts of interleukin and relation to plasma cytokine levels <u>Gene transcripts for IL-6 and IL-1B already reported in Sørensen 2008 – table 5 – although different values?</u>	identified differentially expressed genes in peripheral blood mononuclear cells	IL-1 Genotype and its effect on plasma cytokine	Hematological Characteristics Associated With Aggressive Periodontitis,	Plasma cytokines
Subjects	= 103 (age 18-35) - LAgP (N = 18), - GAgP (N = 27), - JIA (N = 10), -RA (N = 23), -healthy controls (N = 25)	N = 103 - LAgP (N = 18), - GAgP (N = 27), - JIA (N = 10), -RA (N = 23), -healthy controls (N = 25) Gene expression profiling (selection?): LAgP (N = 2) GAgP (N = 3) controls (N = 2)	N = 103 (age 18-35) - LAgP (N = 18), - GAgP (N = 27), - JIA (N = 10), -RA (N = 23), -healthy controls (N = 25)	N = 103 (age 18-35) - LAgP (N = 18), - GAgP (N = 27), - JIA (N = 10), -RA (N = 23), -healthy controls (N = 25)	N = 103 (age 18-35) -LAgP; (N = 18) -GAgP; (N = 27) - JIA; (N = 10) -RA; (N = 23) - control; (N = 25)
Described Protokols and analysis	-All individuals were enrolled during 2002 and 2003 -RT-PCR	-Blood samples were analyzed for subset distribution -Oligonucleotide Microarray Analysis -RT PCR	All individuals were enrolled during 2002 and 2003. -Cytokines were measured in peripheral blood (plasma) and ex vivo cultures of unstimulated and stimulated whole blood cells.	All individuals were enrolled during 2002 and 2003 and underwent a standardized interview on medical and dental history, followed by venous blood sampling and an intraoral examination by the same examiner (AH-P).	- Plasma Isolation -Whole Blood Cell Cultures -ELISAs for Pro- and Anti-Inflammatory Cytokines
Cross reference in Introduction or discussion in which data from a previous	Introduction: "Only a few studies have investigated the immunoinflammatory processes that may link these	Introduction: "We hypothesized that differentially regulated genes may be involved in the disease processes characteristic of	Introduction: "Recently, we showed that patients with aggressive periodontitis, JIA, or RA exhibited similar components	No reference to prior study	

<p>articles is included to support the new findings without mentioning that the two articles include data from the same cohort.</p>	<p>diseases. For example, Havemose- Poulsen. 2006 described the periodontal and hematologic characteristics of patients with chronic arthritis and aggressive periodontitis. Plasma levels and ex vivo–stimulated whole blood cell production of cytokines... were also reported (Havemose 2005).</p> <p>Discussion Only small differences in TNFalpha expression were found in microarray... Sørensen et al 2008 (not clear that this paper is from the same cohort)</p>	<p>localized aggressive periodontitis (LAGP) and generalized aggressive periodontitis (GAgP) as well as other chronic inflammatory diseases with destruction of connective tissue and bone,12-18, Havemose 2005 og 2006.” (not clear that these papers are from same cohort)</p> <p>Discussion Previously, we examined polymorphisms within the IL1 gene cluster, which showed a general lack of association of IL1 polymorphisms with the cytokine profiles of subjects with GAgP. Havemose 2007 (not clear that this paper is from same cohort)</p>	<p>of peripheral blood cytokine profiles and cytokine secretion patterns in whole blood cell cultures” ref til Havemose 2005.</p> <p>“Periodontal health status, traditional hematological characteristics, and cytokine profiles has been provided.13,36” (Havemose 2005 og Havemose 2006.)</p>		
<p>Cross reference in Materials and methods</p>	<p>“The study sample consisted of 103 Danish white adults, aged 18 to 35 years, who were divided into five groups as previously described (Havemose 2006)”</p> <p>Plasma cytokines...These data were published previously (Havemose 2005)”</p>	<p>“For more information about rheumatologic characteristics of subjects with JIA and RA, see (Havemose 2006)”</p> <p>” Blood samples were analyzed for subset distribution of leukocytes, erythrocyte sedimentation rate, and C-reactive protein (Havemose 2006)”</p> <p>Lack of reference to Havemose 2005 and 2007 in this section!</p>	<p>Detailed information about general and... have been provided (Havemose 2005 and Havemose 2006.)</p>	<p>No reference to prior study</p>	<p>“For detailed information about the general and periodontal status of the groups, including hematological characteristics with numbers of leukocytes and subset distribution of leukocytes, see Havemose-Poulsen et al. 2006”</p>
<p>NO Cross reference to prior studies in article</p>	<p>Sørensen 2008, Havemose 2007</p>				