

## Cytokines in histiocytic intervillitis

**Supplementary Table 1.** Mean expression levels of inflammation-associated genes

Official gene abbreviation	CHI (n = 5), median 28 weeks of gestation (range 19-33)	VUE (n = 4), median 37 weeks of gestation (range 35-39)	Control (n = 7), median 30 weeks of gestation (range 20-38)	p < 0.05 (*) p > 0.05 (n.s.)
BMP1	0.94	1.37	0.53	n.s.
BMP2	0.34	0.20	0.15	n.s.
BMP4	0.48	0.51	0.45	n.s.
BMP6	Not detectable	Not detectable	0.09	n.s.
BMP7	0.64	0.32	0.30	n.s.
BMPR1B	5.47	5.52	0.27	n.s.
BMPR2	0.54	0.61	1.33	n.s.
CCL2	0.12	0.26	0.07	n.s.
CCL3	3.62	3.93	0.17	n.s.
CCL4	0.10	0.28	0.01	n.s.
CCL5	0.36	0.95	0.14	VUE versus controls*
COL1A2	0.70	0.24	0.39	n.s.
COL3A1	4.43	3.46	9.26	n.s.
COL4A1	1.15	0.71	0.97	n.s.
CSF3	0.02	Not detectable	Not detectable	n.s.
CXCL9	6.15	18.09	1.37	VUE versus controls*
CXCL10	0.59	0.32	0.04	n.s.
CXCL12	0.08	0.25	0.02	VUE versus controls*
CXCR1	0.01	Not detectable	0.08	n.s.
CXCR2	0.11	0.02	0.05	n.s.
CXCR4	0.26	0.28	1.38	n.s.
EDN1	0.28	0.25	0.13	n.s.
FGF1	0.03	0.00	0.02	n.s.
FGF2	0.02	0.01	0.05	n.s.
FOXP3	0.05	0.13	Not detectable	n.s.
HGF	2.87	1.58	2.84	n.s.
IGF1	0.11	0.40	0.11	n.s.
IL1B	0.03	0.01		n.s.
IL2RA	0.15	0.61	0.26	n.s.
IL3	Not detectable	Not detectable	Not detectable	n.s.
IL4	Not detectable	Not detectable	Not detectable	n.s.
IL6	0.07	0.09	0.13	n.s.
IL8	0.28	0.19	0.83	n.s.
IL12A	0.00	0.00	Not detectable	n.s.
IL13	Not detectable	Not detectable	Not detectable	n.s.
IL15	0.00	Not detectable	Not detectable	n.s.
IL17A	Not detectable	Not detectable	Not detectable	n.s.
LIF	0.05	0.12	0.14	n.s.
LOX	0.37	0.29	0.23	n.s.
MMP1	0.20	0.02	0.02	n.s.
MMP2	0.79	0.36	0.80	n.s.
MMP9	1.32	0.37	0.12	CHI versus controls*
MMP11	1.73	3.64	2.60	n.s.
MMP13	Not detectable	Not detectable	Not detectable	n.s.
MMP14	1.96	0.73	1.45	VUE versus CHI*

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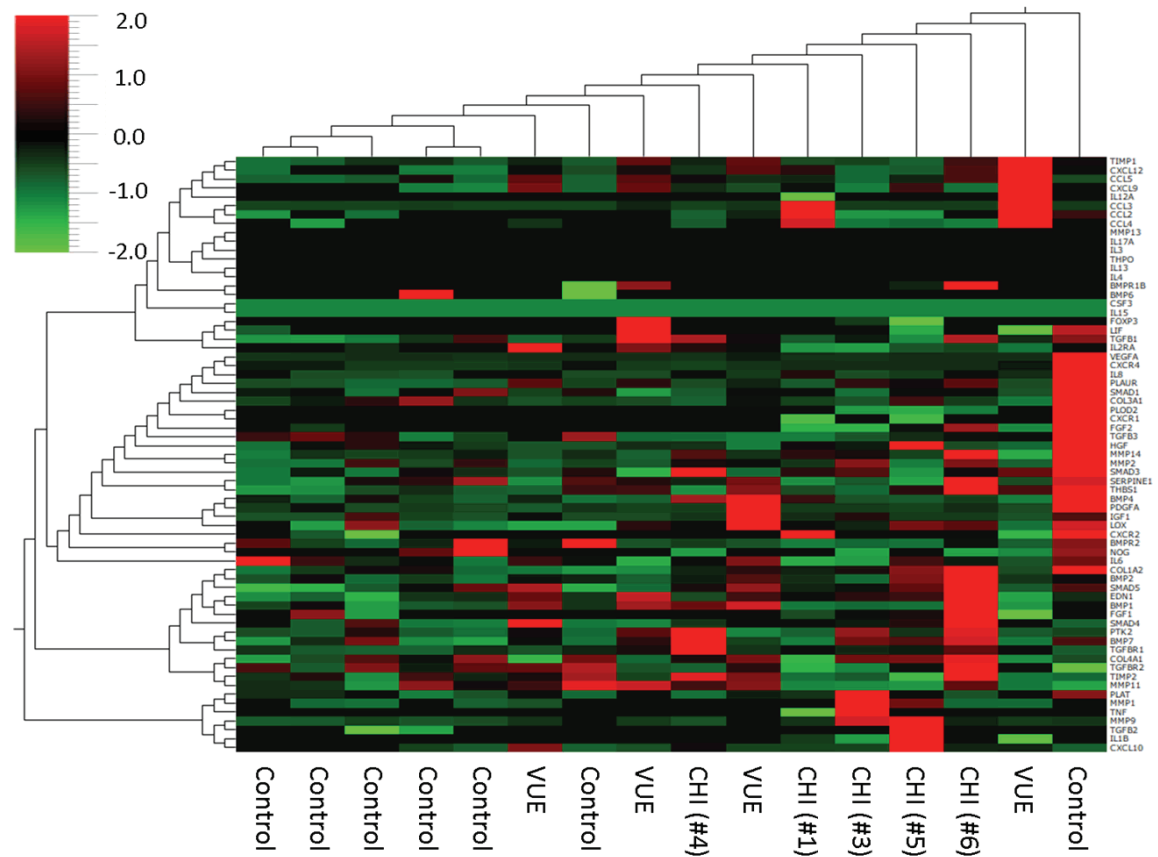
NOG	0.04	0.21	2.54	n.s.
PDGFA	0.18	0.52	0.41	n.s.
PLAT	0.46	0.28	0.23	n.s.
PLAUR	1.92	2.14	1.96	n.s.
PLOD2	0.03	Not detectable	0.49	n.s.
PTK2	1.67	0.67	0.43	n.s.
SERPINE1	3.32	3.53	4.38	n.s.
SMAD1	0.08	0.08	0.29	n.s.
SMAD3	0.47	0.29	0.41	n.s.
SMAD4	0.61	0.71	0.20	n.s.
SMAD5	0.15	0.13	0.07	n.s.
TGFB1	6.08	6.57	4.33	n.s.
TGFB2	0.35	Not detectable	0.03	n.s.
TGFB3	0.15	0.04	0.53	n.s.
TGFBR1	1.01	0.29	0.17	CHI versus controls*
TGFBR2	0.52	0.61	0.62	n.s.
THBS1	6.70	8.08	6.15	n.s.
THPO	Not detectable	Not detectable	Not detectable	n.s.
TIMP1	6.30	16.02	4.90	VUE versus controls*
TIMP2	2.29	2.03	2.05	n.s.
TNF	0.02	Not detectable	Not detectable	n.s.
VEGFA	0.16	0.31	1.88	n.s.

**Supplementary Table 2.** Mean expression levels of angiogenesis-associated genes

Official gene abbreviation	CHI (n = 4), median 27.5 weeks of gestation (range 19-33)	Controls (n = 3), median 25 weeks of gestation (range 20-33)	p < 0.05 (*) p > 0.05 (n.s.)
ANGPT1	0.02	0.01	n.s.
ANGPT2	0.04	0.21	n.s.
ANGPTL1	0.00	0.01	n.s.
ANGPTL4	0.09	0.31	n.s.
BAI1	0.13	0.16	n.s.
CAV2	0.25	0.28	n.s.
CDK1	0.01	0.01	n.s.
CXCL1	0.09	0.09	n.s.
EPHB4	0.18	0.10	n.s.
FGFR1	0.81	0.94	n.s.
FIGF	Not detectable	Not detectable	n.s.
FLT1	3.12	1.57	n.s.
FLT4	0.08	0.00	n.s.
GREM1	Not detectable	Not detectable	n.s.
HIF1A	1.26	1.18	n.s.
KDR	0.55	0.50	n.s.
LECT1	Not detectable	Not detectable	n.s.
MDK	0.03	0.01	n.s.
NOS3	0.16	0.06	n.s.
NOTCH4	0.20	0.16	n.s.
NOX4	0.02	Not detectable	n.s.
NRP1	0.10	0.06	n.s.

## Cytokines in histiocytic intervillositis

OLR1	0.22	0.13	n.s.
PDGFRA	0.18	0.08	n.s.
PDPN	2.05	2.22	n.s.
PECAM1	3.57	3.13	n.s.
PTGS1	0.02	0.00	n.s.
PTRF	1.30	1.20	n.s.
S1PR1	0.13	0.03	n.s.
STAB1	0.40	0.24	n.s.
TEK	0.32	0.16	n.s.
TNFAIP2	0.01	Not detectable	n.s.
TYMP	0.14	0.02	n.s.
VCAM1	0.23	0.34	n.s.
VEGFC	0.18	0.10	n.s.



**Supplementary Figure 1.** Cluster analysis of the inflammation-associated gene expression profile in CHI, VUE and normal placenta.