

Supplementary Material for Kallankari H, Kaukola T, Ojaniemi M, Herva R, Perhomaa M, Vuolteenaho R, Kingsmore S.F, Hallman M. Chemokine CCL18 predicts intraventricular hemorrhage in very preterm infants *Ann Med*, 2010;42:416–425.

Supplementary Table I. Clinical data.

Maternal factors	Intrapartum and infant birth factors	Early neonatal factors
Age at birth	Presence of active labor	Age when infant arrived to the NICU
History of previous preterm births	Mode of delivery	First body temperature
Parity	Gestational age at birth	Clinical Risk Index for Babies score
Diabetes/other medical conditions	Birth-weight	During the first day of life:
Multiple pregnancy	The infant being small for gestation	Oxygenation Index
Pre-eclampsia	Gender	Lowest and highest PaCO ₂
Preterm premature rupture of membranes	Umbilical cord pH	Lowest and highest PaO ₂
Administration of antenatal steroids	Apgar score at 5 min	Lowest and highest mean blood pressure
Uterine tenderness, foul-smelling vaginal discharge, fever $\geq 37.8^{\circ}\text{C}$, maximal C-reactive protein and white blood cell count before birth		Use of cardiotonic agents
		Patent ductus arteriosus
		Respiratory distress syndrome

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Supplementary Table II. List of immunoproteins analyzed from cord blood.

<i>C-Chemokine:</i>	<i>CXC-Chemokine:</i>
XCL1 (Lymphotactin (Lptn, Ltn))	CXCL2 (Growth-related oncogene (GRO-β))
	CXCL3 (GRO-γ)
<i>CC-Chemokine:</i>	CXCL5 (Epithelial cell-derived neutrophil-activating peptide (ENA-78))
CCL1 (I-309)	CXCL6 (Granulocyte chemotactic protein 2 (GCP-2))
CCL2 (Monocyte chemoattractant protein (MCP)-1)	CXCL8 (Interleukin-8 (IL-8))
CCL3, CCL4 (Macrophage inflammatory protein (MIP) -1α, -1β)	CXCL9 (Monokine induced by interferon gamma (MIG))
CCL5 (Regulated upon activation, normal T-cell-expressed, and presumably secreted (RANTES))	CXCL11 (Interferon gamma-inducible T-cell alpha (I-TAC))
CCL8, CCL7, CCL13 (MCP-2,-3,-4)	CXCL12 (Stromal cell-derived factor beta (SDF-1β))
CCL11 (Eotaxin (Eot))	CXCL13 (B-lymphocyte chemoattractant (BLC))
CCL14, CCL16 (Hemofiltrate CC-chemokine (HCC))-1,-4	
CCL15, CCL20, CCL19 (MIP-1δ, -3α, -3β)	<i>C-X-X-X-C -Chemokine:</i>
CCL17 (Thymus and activation-regulated chemokine (TARC))	CX3CL1 (Fractalkine)
CCL18 (Pulmonary and activation-regulated chemokine (PARC))	
CCL23 (Myeloid progenitor inhibitory factor 1 (MPIF 1))	
CCL24 (Eotaxin-2 (Eot-2))	
CCL26 (Eotaxin-3 (Eot-3))	
CCL27 (Cutaneous T-cell-attracting chemokine (CTACK))	
CCL28	
<i>PDGF family:</i>	<i>IL-1 family:</i>
Amphiregulin (AR)	IL-1ra, -α, -β
Angiogenin (ANG)	Interleukin 1 soluble receptor II (IL-1sRII)
Beta-nerve growth factor (β-NGF)	Interleukin 1 receptor 4 (IL-1r4, ST2)
Brain-derived neurotrophic factor (BDNF)	
Epidermal growth factor (EGF)	<i>IL-17 family:</i>
Betacellulin (BTC)	IL-17
Fibroblast growth factor (FGF)-1, -2, -4, -7, -9	<i>IL-10/Interferon family:</i>
Glial cell line-derived neurotrophic factor (GDNF)	Interleukin 10 receptor beta (IL-10Rβ)
Hepatocyte growth factor (HGF)	
Insulin-like growth factor I receptor (IGF-1R)	
Insulin-like growth factor II (IGF-II)	
Insulin-like growth factor-binding protein (IGFBP)-1, -2, -3, -4	
Macrophage colony-stimulating factor (M-CSF)	
Macrophage colony-stimulating factor receptor (M-CSF R)	
Neurotrophin (NT)-3, -4	
Placental growth factor (PIGF).	
Platelet-derived growth factor receptor alpha (PDGF Rα)	
Transforming growth factor alpha (TGF-α)	
Vascular endothelial growth factor (VEGF)	
Vascular endothelial growth factor receptor 2 (VEGF-R2)	
<i>TNF family:</i>	<i>Adhesion molecules:</i>
CD27	Activated leukocyte cell adhesion molecule (ALCAM, CD166)
Death receptor-6 (DR-6)	Intercellular adhesion molecule (ICAM-1, CD54)
Fas (CD95)	Intercellular adhesion molecule (ICAM-3, CD50)
Fas ligand (Fas Lig)	L-selectin (CD62L)
Herpes virus entry mediator (HVEM)	Platelet endothelial cell adhesion molecule-1 (PECAM-1, CD 31)
Receptor activator of NF-kappa-B (RANK)	
Tumor necrosis factor receptor I (TNFRI)	
TNF-α, -β	
TNF-related apoptosis-inducing ligand receptor (TRAILR)-1, -4	
<i>Hematopoietin family:</i>	<i>Metalloproteinase:</i>
Fms-like tyrosine kinase-3 ligand (Flt-3 Lig)	Matrix metalloproteinase (MMP)-7, -9
Granulocyte-macrophage colony-stimulating factor (GM-CSF)	Tissue inhibitors of metalloproteinases (TIMP) -1, -2
Interleukin-2 (IL-2)	
Interleukin-2 soluble receptor (IL-2sR) α, -β, -γ	<i>Unclassified:</i>
Interleukin-3, -4, -5, -5Rα, -6, -7, -9, -13, -15	Follistatin
Soluble glycoprotein 130 (sgp130)	
Leptin	
Oncostatin M (OSM)	
Stem cell factor (SCF)-R	