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## **Airway inflammation in asthma : from concept to the clinic**

Rensen, E.L.J. van

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## Curriculum Vitae

Liesbeth van Rensen was born on 5 October 1973, in Venlo, The Netherlands. From 1986 she received secondary education at the Thomas College in Venlo. After graduation (VWO) in 1992, she started to study Biomedical Sciences at the University of Leiden. Practical training periods were performed at the departments of Rheumatology (Prof. dr. T.W.J. Huizinga) and Pulmonology (Prof. dr. P.J. Sterk) of the Leiden University Medical Centre (LUMC). Additional courses were followed on health promotion at the Faculty of Social and Behavioural Sciences and on health law at the Faculty of Law at the University of Leiden. A Master of Science degree was obtained in 1998.

From June 1998 until June 1999 she worked as a research fellow at the department of Thoracic Medicine, National Heart and Lung Institute, Imperial College, London, United Kingdom (Prof. dr. K.F. Chung and Prof. dr. P.J. Barnes). From June 1999 until August 2005 she worked as a research fellow at the department of Pulmonology of the LUMC (Prof. dr. P.J. Sterk and Prof. dr. K.F. Rabe). Most of the studies that were performed during this period are included in the thesis.

Between August 2000 and March 2005 courses were followed at the Netherlands School of Public and Occupational Health, Amsterdam, and the Netherlands Institute for Health Sciences, Rotterdam, and an international Master of Public Health degree was obtained.

Since May 2005 she is working as a programme officer for the Health Care Efficiency Research Programme of ZonMw. Here she is a co-ordinator of the Early Evaluation of Medical Innovation programme.



## Bibliography

Diamant Z, Hiltermann JT, **van Rensen EL**, Callenbach PM, Veselic-Charvat M, van der Veen H, Sont JK, Sterk PJ. The effect of inhaled leukotriene D4 and methacholine on sputum cell differentials in asthma. *Am J Respir Crit Care Med* 1997;155:1247-53.

**Van Rensen ELJ**, Straathof KCM, Veselic-Charvat MA, Zwinderman AH, Bel EH, Sterk PJ. Effect of inhaled steroids on airway hyperresponsiveness, sputum eosinophils, and exhaled nitric oxide levels in patients with asthma. *Thorax* 1999;54:403-8.

Montuschi P, Kharitonov SA, Ciabattoni G, Corradi M, **van Rensen L**, Geddes DM, Hodson ME, Barnes PJ. Exhaled 8-isoprostane as a new non-invasive biomarker of oxidative stress in cystic fibrosis. *Thorax* 2000;55:205-209.

Stirling RG, **van Rensen ELJ**, Barnes PJ, Chung KF. Interleukin-5 induces CD34+ eosinophil progenitor mobilisation and mature eosinophil CCR3 expression in asthma. *Am J Respir Crit Care Med* 2001;164:1403-9.

**Van Rensen ELJ**, Stirling RG, Scheerens J, Staples K, Sterk PJ, Barnes PJ, Chung KF. Evidence for systemic rather than pulmonary effects of interleukin-5 in asthma. *Thorax* 2001;56:935-40.

De Vries AJK, **van Rensen ELJ**, Pladdet I, Buis S, Aarendonk D, Jaarsma S, Engels M, Richardson C. Wat gewoon moest en nog niet gebeurde. *TSG* 2002;2:79

**Van Rensen ELJ**, Hiemstra PS, Rabe KF, Sterk PJ. Assessment of microvascular leakage via sputum induction: the role of substance P and neurokinin A in patients with asthma. *Am J Respir Crit Care Med* 2002;165:1275-1279.

Horvath I, Hunt J, Barnes PJ on behalf of the ERS/ATS joint Task Force on Exhaled Breath Condensate. Co-authors to the Task Force report: Alving K, Antczak A, Baraldi E, Becher G, van Beurden WJC, Corradi M, Dekhuijzen R, Dweik RA, Dwyer T, Effros r, Erzurum S, Gaston B, Gessner C, Greening A, Ho LP, Hohlfeld J, Jobsis Q, Laskowski D, Loukides S, Marlin D, Montuschi P, Olin A-C, Redington AE, Reinhold P, **van Rensen ELJ**, Rubinstein I, Silkoff P, Toren K, Vass G, Vogelberg C, Wirtz H. Exhaled breath condensate: methodological recommendations and unresolved questions. *Eur Respir J* 2005;26:1-27.

**Van Rensen ELJ**, Sont JK, Evertse CE, Willems LNA, Mauad T, Hiemstra PS, Sterk PJ and the AMPUL study group. Bronchial CD8 cell infiltrate and lung function decline in asthma. *Am J Respir Crit Care Med* 2005;172:837-41.

Kunz LIZ, **van Rensen ELJ**, Sterk PJ. Inhaled hyaluronic acid against exercise-induced bronchoconstriction in asthma. *Pulm Pharmacol Ther* *in press*.

**Van Rensen ELJ**, Reddel HK, Rabe KF, Sterk PJ, Sont JK and the AMPUL study group. Asthma guidelines: towards evidence-based application of peak flow. *Submitted*.

**Van Rensen ELJ**, Evertse CE, van Schadewijk WAAM, Ayre G, Hiemstra PS, Sterk PJ, Rabe KF. Anti-IgE-induced reduction in airway responses to inhaled allergen is paralleled by decreased eosinophilia in bronchial biopsies and sputum in patients with asthma. *Submitted*.









