Taking your breath away

Stellingen

Behorende bij het proefschrift

Taking Your Breath Away: The Influence of Antenatal Inflammation on Fetal Lung Development

Monique G.M. Willems
Maastricht, 16 juni 2017

1. Decreased Wingless-Int signaling in the fetal lungs, induced by exposure to intra-amniotic inflammation, can partially be prevented by maternal corticosteroid administration. (*dit proefschrift*)

2. Interleukin-2 administration improves fetal lung function and modulates chorioamnionitis-induced lung inflammation. (*dit proefschrift*)

3. In an extreme preterm chorioamnionitis model, combined intra-amniotic exposure to *Ureaplasma parvum* and lipopolysaccharide increases fetal lung inflammation and disturbs pulmonary vascular development, when compared to animals receiving only a single inflammatory hit. (*dit proefschrift*)

4. To treat intra-uterine inflammation-associated adverse outcomes of the lungs, it is essential to identify the timing and order of exposure to intra-uterine inflammation with respect to the potential treatment. (*dit proefschrift*)

5. As the environment *in utero* influences the individual's predisposition to diseases at later child- and adulthood, it is expected that *in utero* exposure to chorioamnionitis will affect the individual's health for years.

6. Chorioamnionitis is regularly clinically silent, but strong investments into identifying novel biomarkers can make the 'clinically undetectable' detectable.

7. Although the ability to breathe is often taken for granted, it is essentially a life-saving event.

8. Only innovations within the field of gynaecology, neonatology and perinatology will in time lead to a decrease in the incidence and severity of chorioamnionitis and its associated lung complications.

9. While gaining an ounce does not seem that much, for the parents of a premature baby it is a reason to smile. (*adapted from an unknown author*)

10. Ook in de baarmoeder geldt: Een goed begin is het halve werk.