

Stellingen behorend bij het proefschrift

'LUMEN ILLUMINATED'

Intestinal defense mechanisms in the neonate

1. Intestinal threonine metabolism, barrier function and mucosal growth is reduced in preterm piglets fed formula compared to colostrum and predisposes them to NEC. *(dit proefschrift)*
2. Colostrum feeding increases luminal threonine absorption and improves epithelial protection by stimulation of mucin MUC2 synthesis. *(dit proefschrift)*
3. In breast fed infants, the intestinal microbiota produce a specific composition of short chain fatty acids which improves mucin production, imperative for intestinal protection. *(dit proefschrift)*
4. Probiotics do not have an anabolic effect on neonatal growth but do lead to localized stimulation of mucosal defense. *(dit proefschrift)*
5. Partial enteral nutrition is of major importance for intestinal blood flow and hence nutrient supply to the neonatal gut. *(dit proefschrift)*
6. Planned home birth is associated with a tripling of the neonatal mortality rate and should be strongly discouraged. *(Am J Obstet Gynecol 2010;203:243.e1-8)*
7. Even the availability of top medical care does not insure optimal in-hospital survival for children when basic health care programs are inadequate. *(J Ped Surg 2009;44:1952-57, J Publ Health 2009;32;2:236-44)*
8. To reduce the risk of preterm labor, partners should volunteer to take over all repetitive boring home tasks from their pregnant partner. *(Eur J Epidemiol 2010;25:421-9)*
9. Implementation of paternity leave might decrease paternal postnatal depression and improve behavioral and emotional development of the child. *(Lancet 2005;365:2201-05)*
10. Misplaced dedication of residents by working when sick should be discouraged by program directors given the potential risks for patients and colleagues related to illness and errors. *(JAMA 2010;304:1166-68)*
11. All bacteria are equal, but some bacteria are more equal than others.

Patrycja Puiman

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