

University of Groningen

Gaining insight into the determinants of mortality in hospitalized severely malnourished children

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Stellingen

behorende bij het proefschrift

Gaining insight into the determinants of mortality in hospitalized severely malnourished children

A translational and intestine focused approach

1. As decreased faecal short-chain fatty acids are a strong risk factor for death in severely malnourished children, future studies should first focus on severe gut dysbiosis as underlying cause. – This thesis
2. Dysregulation of the mTOR/autophagy pathway and mitochondrial dysfunction cause intestinal barrier dysfunction in malnutrition enteropathy – This thesis
3. The translational intestinal organoid model of severe malnutrition is well-equipped to study the interplay between mTOR, autophagy and mitochondrial dysfunction in malnutrition enteropathy and its role in preventing intestinal recovery. – This thesis
4. Interventions targeting mTOR such as rapamycin have great potential to improve intestinal function in severely malnourished children. – This thesis
5. Adequate nutrient absorption is vital for clinical recovery and growth of severely malnourished children. The mouse model of malnutrition enteropathy should be used to gain mechanistic insights into and to test therapeutic interventions for nutrient malabsorption in severe malnutrition. – This thesis
6. As preclinical studies are indispensable for the development of novel therapies for malnutrition enteropathy, more funding should be allocated to basic science.
7. All disease begins in the leaky gut. – Based on Hippocrates
8. If you can find a path with no obstacles, it probably doesn't lead anywhere. – Frank A. Clark
9. I have never tried that before, so I think I should definitely be able to do that. – Astrid Lindgren, Pippi Longstocking
10. If I had an hour to solve a problem, I would spend 55 minutes thinking about the problem and five minutes thinking about solutions. – Albert Einstein

Chris Versloot

Groningen, December 15, 2021