## S7 Characteristics of ongoing studies

### Friis 2013

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| **Study name** | Effectiveness of improved diets for children with moderate acute malnutrition: a randomized controlled trial in Province du Passoré, Burkina Faso |
| **Methods** | Randomised nutrition intervention trial with a 2-by-2-by-3 factorial design |
| **Participants** | Inclusion criteria:1. Weight-for-height z-score = -3 and < -2 (based on the WHO growth standard) or Mid Upper Arm Circumference =115mm and < 125 mm2. Six to 23 months of age3. Resident in the catchment area at the time of inclusion4. Whose parents/guardians have signed (or thumb-printed whenever illiterate) the informed consentExclusion criteria:1. Children with severe acute malnutrition defined as a weight-for-height z-score < -3, and/or a mid-upper arm circumference <115 mm, and/or bilateral pitting oedema.2. Children with medical complications requiring hospitalization3. Children whose household plans to leave the catchment area in the next 6 months4. Children with a hemoglobin concentration <4g/dl or with evidence of a decompensate anemia (e.g. dyspnea, tachycardia etc.)5. Children who have been treated for severe acute malnutrition or who have been hospitalized in the last 2 months6. Children with known allergy to milk, peanut, corn soya blend (corn soy blend) and/or ready-to-use therapeutic food7. Children with a severe disability limiting the possibility of investigations8. Children enrolled in any other nutritional program or part of any other study conducted in the area |
| **Interventions** | Children will receive one of 12 newly developed food products at a quantity of 500kcal per day for 12 weeks.The 12 products include 6 improved corn soy blends and 6 lipid based nutrient supplements |
| **Outcomes** | Primary1. Absolute lean mass increment from baseline to 3 monthsSecondary1. Increase of weight-for-height z-score to > -2 and linear growth2. Increase in mid upper arm circumference > 125 mm3. Physical activity measured using an accelerometer, at 0, 3 and 6 months4. Motor and language milestones development5. Morbidity6. Level of biological indicators of nutritional status, growth and immune function (haemoglobin, serum acute phase proteins, serum ferritin, essential fatty acids, insulin-like growth factor-1) at 0, 3 and 6 months7. Thymus size using an ultrasound scanner at 0, 3 and 6 months8. Acceptability of and adherence of products |
| **Starting date** | 02/08/2013 |
| **Contact information** | hfr@life.ku.dk |
| **Notes** | Recruitment completed |