**Supplementary file 2. Studies# on nutritional risk scores considered potentially eligible for inclusion**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Study | Setting | Population | Screening tool(index test) | Validation method(reference standard) | Included in systematic review | Included in quantitative synthesis |
| Poisson-Salomon (1997) | France | Mixed population | NRS | * None
 | No | No |
| Tertiary hospital | N=94 |
| Hankard (2001) | France | Mixed population | NRS | * BMI z-score <-2 SD at admission
 | No | No |
| Tertiary hospital | N=66 |
| Babakissa (2004) | Martinique | Mixed population | NRS | * None
 | No  | No  |
| Tertiary hospital | N=42 |
| Aurangzeb (2012)\* | Australia | Mixed population | NRS | * HFA-, WFA- and BMI-centiles at admission
* Length of hospital stay
 | No  | No |
| Tertiary hospital | N=157 |
| Sermet-Gaudelus (2000) | France | Mixed population | PNRS | * >2% weight loss during hospitalization
 | Yes | Yes |
| Tertiary hospital | N=296 |
| Martin (2006)$ | France | Oncology patients | PNRS | * Major weight loss during treatment course (≥2% in <1 week, ≥5% in <1 month, ≥7.5% in <3 months and ≥10% in <6 months)
 | Yes | No  |
| Tertiary hospital | N=70 |
| Sikorová (2012) | Czech Republic | Mixed population | PNRS | * Comparison with other screening tool (STAMP)
 | No  | No  |
| Tertiary hospital | N=130 |
| Wiskin (2012) | UK | IBD in- and outpatients | PNRS | * WFA z score
 | No  | No  |
| Tertiary hospital | N=43 |
| Gerasimidis (2010) | UK | Mixed population | STAMP | * Full dietetic assessment (dietary history, anthropometric measurements, nutrition-associated physical examination, ability to maintain age-appropriate energy levels and review of medical notes)
 | Yes | Yes  |
| Tertiary and secondary hosp. | N=247 |
| Ling (2011) | UK | Mixed population | STAMP | * Clinical decision to institute a nutritional intervention
* HFA , WFH and BMI z scores at admission
 | Yes  | Yes  |
| Tertiary hospital | N=47 |
| Lama More (2012) | Spain | Mixed population | STAMP | * Full dietetic assessment (dietary history, anthropometric measurements, nutrition-associated physical examination)
 | Yes  | Yes  |
| Tertiary hospital | N=250 |
| McCarthy (2012) | UK | Mixed population | STAMP | * Full dietetic assessment (face-to-face interview with dietician, with detailed information on current and recent changes in dietary intake and review of medical and nursing notes)
 | Yes  | Yes  |
| Tertiary hospital | N=238 |
| Wiskin (2012) | UK | IBD in- and outpatients | STAMP | * WFA z score
 | No | No |
| Tertiary hospital | N=43 |
| Sikorová (2012) | Czech Republic | Mixed population | STAMP | * Comparison with other screening tool (PNRS)
 | No | No |
| Tertiary hospital | N=130 |
| Wong (2013) | UK | Children with SCI | STAMP | * Full dietetic assessment (using all available clinical, nutritional and biochemical information)
* Comparison with other screening tool (PYMS)
 | Yes  | No |
| N=51 |
| Moeeni (2013) | New Zealand | Mixed population | STAMP | * HFA , WFH and BMI z scores at admission
* Clinical decision to refer to a dietician for full nutritional assessment
* Length of hospital stay
 | Yes  | Yes  |
| Tertiary hospital | N=162 |
| Gerasimidis (2010) | UK | Mixed population | PYMS | * Full dietetic assessment (dietary history, anthropometric measurements, nutrition-associated physical examination, ability to maintain age-appropriate energy levels and review of medical notes)
 | Yes  | Yes  |
| Tertiary and secondary hosp. | N=247 |
| Gerasimidis (2011) | UK | Mixed population | PYMS | * Full dietetic assessment (global clinical judgment of the dietetic staff)
 | Yes  | No |
| Tertiary and secondary hosp. | N=125 |
| Wiskin (2012) | UK | IBD in- and outpatients | PYMS | * WFA z score
 | No | No |
| Tertiary hospital | N=43 |
| Wong (2013) | UK | Children with SCI | PYMS | * Comparison with other screening tool (STAMP)
 | Yes  | No |
| Tertiary hospital | N=51 |
| Moeeni (2013) | New Zealand | Mixed population | PYMS | * HFA , WFH and BMI z scores at admission
* Clinical decision to refer to a dietician for full nutritional assessment
* Length of hospital stay
 | Yes  | Yes  |
| Tertiary hospital | N=162 |
| Hulst (2010) | The Netherlands | Mixed population | STRONGkids | * WFH and HFA z-scores at admission
* Length of hospital stay
* Weight loss during hospitalization
 | Yes  | Yes  |
| Tertiary and secondary hosp. | N=415 (weight loss: N=272) |
| Ling (2011) | UK | Mixed population | STRONGkids | * Clinical decision to institute a nutritional intervention
* HFA , WFH and BMI z scores at admission
 | Yes  | Yes  |
| Tertiary hospital | N=43 |
| Wiskin (2012) | UK | IBD in- and outpatients | STRONGkids | * WFA z score
 | No | No |
| Tertiary hospital | N=43 |
| Moeeni (2013) | New Zealand | Mixed population | STRONGkids | * HFA , WFH and BMI z scores at admission
* Clinical decision to refer to a dietician for full nutritional assessment
* Length of hospital stay
 | Yes  | Yes  |
| Tertiary hospital | N=162 |
| Spagnuolo (2013) | Italy | Mixed population | STRONGkids | * BMI and HFA z scores at admission
 | No | No |
| Tertiary and secondary hosp. | N=144 |
| Huysentruyt (2013) | Belgium | Mixed population | STRONGkids | * WFH and HFA z-scores at admission
* Weight loss during hospitalization
* Clinical decision to institute a nutritional intervention
* Length of hospital stay
 | Yes  | Yes  |
| Tertiary and secondary hosp. | N=368 (weight loss: N=343) |

*#18 different studies, of which 6 investigated more than one screening tool; \*Different cut-off values used for defining the nutritional risk categories; $Adapted version of the PNRS; WFA: weight for age; HFA: height for age; WFH: weight for height; BMI: body mass index; SCI: spinal cord injury; IBD: inflammatory bowel disease*