**Table 2. Paediatric nutritional screening tools**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NRS | PNRS | STAMP |  | PYMS | STRONGkids |
| **1. Present weight** |  |  | **1. Present weight** | **1. Present weight** | **1. Poor nutritional state** |
| Expected WFH | 0 |  | * WFA-HFA ≤1 ctles apart
 | 0 | *BMI below cut-off value?* | **(subjective assessment)** |
| 90-99% of expected WFH | 2 |  | * WFA-HFA 2-3 ctles apart
 | 1 | * No
 | 0 | * No
 | 0 |
| 80-89% of expected WFH | 4 |  | * WFA-HFA ≥3 ctles apart
 | 3 | * Yes
 | 2 | * Yes
 | 1 |
| ≤79% of expected WFH | 6 |  | (or WFA< 2nd centile) |  |  |  |  |
| **2. Appetite** |  |  |  |  | **2. Recent weight loss** |  | **2. Poor weight gain (<1y)**  |
| *Good:* eats most of meals | 0 |  |  |  | *Looser clothes/poor w. gain (<2y)* | **or weight loss** |
| *Poor:* leaves >½ of meals | 2 |  |  |  | * No
 | 0 | * No
 | 0 |
| *± None:* during >4 meals | 3 |  |  |  | * Yes
 | 1 | * Yes
 | 1 |
| **3. Ability to eat/retain food** |  | **1. Associated factors in**  | **2. Recent nutritional intake** | **3. ↘ Intake at least the past week** | **3. Ability to eat/retain food** |
| * No difficulties
 | 0 | **first 48h of hospital stay** | * Good, no change
 | 0 |  |  | *- Diarrhoea (≥5x/d) 1-3 days* |
| No diarrhoea/vomiting |  | *- Pain:* VAS score >40/100 | * Poor or recently ↘
 | 2 | * *No:* usual intake
 | 0 | *- Vomiting (>3x/d) 1-3 days* |
| * Problems handling food
 | 1 | *- Ability to eat:* <½ of usual | * ± No intake
 | 3 | * *Yes:* ↘ of usual intake
 | 1 | *- Pre-existing advised* |
| Vomiting/mild diarrhoea |  |  |  |  | * *Yes:* ± no intake
 | 2 | *nutritional intervention* |
| * Difficulty swallowing
 | 2 | * 0 associated factors
 | 0 |  |  |  |  | *- ↘ food intake last days* |
| Dental/chewing problems | * 1 associated factor
 | 1 |  |  |  | *- Adequate intake not*  |
| Vomiting/diarrhoea (1-2/d) |  | * 2 associated factors
 | 2 |  |  |  |  | *possible due to pain* |
| Needs help with feeding |  |  |  |  |  |  |  |  |  |
| * Unable to take food orally
 | 3 |  |  |  |  |  |  | * None of the items
 | 0 |
| Unable to swallow |  |  |  |  |  |  | listed above present |
| Vomiting/diarrhoea (>2/d) |  |  |  |  |  |  |  | * ≥1 of the items
 | 1 |
| Malabsorption |  |  |  |  |  |  |  | listed above present |
| **4. Stress factor** |  | **2. Stress factor** |  | **3. Diagnosis with**  | **4. Will the condition affect nutrition** | **4. Expected major surgery** |
| None | 0 | Minor | 0 | **nutritional implications?** | **for at least the next week?** | **or underlying disease with**  |
| Mild | 1 | Mild | 1 | * No implications
 | 0 | * No
 | 0 | **risk for under-nutrition?** |
| Moderate | 2 | Severe | 3 | * Possible implication
 | 2 | * ↘intake or ↗losses/needs
 | 1 | * No
 | 0 |
| Severe | 3 |  |  | * Definite implication
 | 3 | * ± no intake
 | 2 | * Yes
 | 2 |
| **LOW RISK: <5/15** | **LOW RISK: 0/5** | **LOW RISK: 0-1/9** | **LOW RISK: 0/7** | **LOW RISK: 0/5** |
| **MODERATE RISK: 5-9/15** | **MODERATE RISK: 1-2/5** | **MODERATE RISK: 2-3/9** | **MODERATE RISK: 1/7** | **MODERATE RISK: 1-3/5** |
| **HIGH RISK: ≥10/15** | **HIGH RISK: ≥3/5** | **HIGH RISK: ≥4/9** | **HIGH RISK: ≥2/7** | **HIGH RISK: ≥4/5** |

*WFH: weight for height; VAS: Visual Analog pain Score; WFA: weight for age; HFA: height for age; ctles: centiles; BMI: body mass index*