



MARSIPAN: Management of Really Sick Patients with Anorexia Nervosa

October 2010

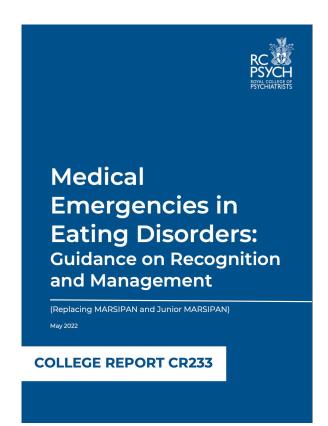
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Junior MARSIPAN: Management of Really Sick Patients under 18 with Anorexia Nervosa

January 2012

COLLEGE REPORT





Simon Chapman



Lee Hudson



Guidance on Recognising and Managing Medical Emergencies in Eating Disorders

(Replacing MARSIPAN and Junior MARSIPAN)

Annexe 3: Type 1 diabetes and eating disorders (TIDE)



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Annexe 2: What our National Survey found about local implementation of MARSIPAN recommendations

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Guidance on
Recognising and
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Eating Disorders

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Annexe 1: Summary sheets for assessing and managing patients with severe eating disorders

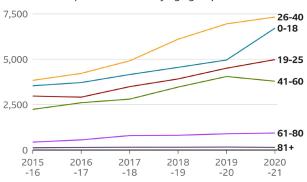
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Key: BAPEN = British Association for Parenteral and Enteral Nutrition, NCCMH = National Collaborating Centre for Mental Health, PHSO = Parliamentary and Health Service

Hospital admissions for eating disorders rising in children and younger adults

Number of hospital admissions by age group



Numbers represent hospital admissions and not the number of people admitted, as the same person can be admitted to hospital more than once

Source: NHS B B C

We found that all the NHS organisations involved in Averil's care and treatment between her discharge from hospital on 2 August 2012 and her tragic death five months later on 15 December failed her in some way. We found her deterioration and death were avoidable."







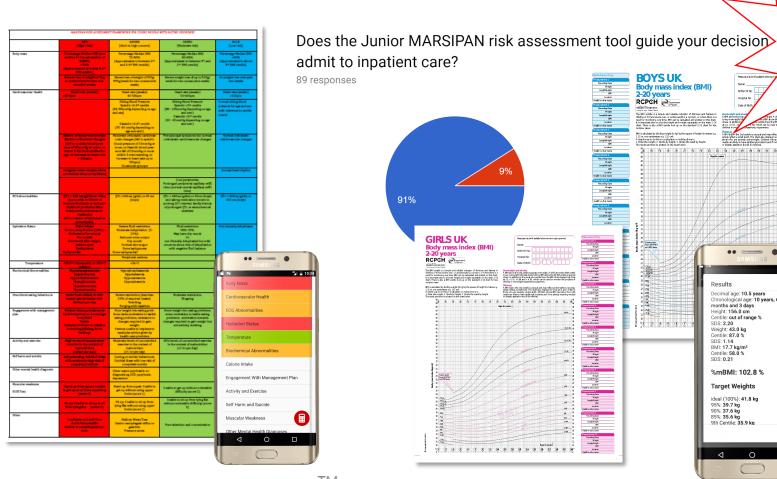
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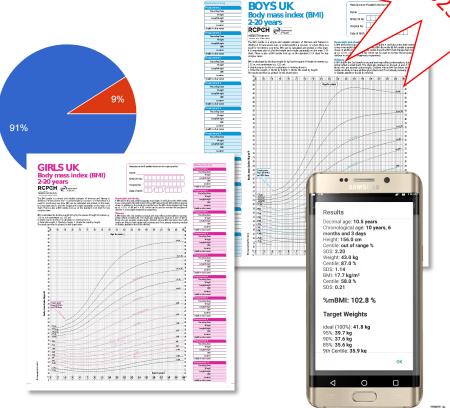
DrFrasierCrane





Junior MaRSiPAN app





Risk Assessment ToolTM Percentage Median BMI CalculatorTM

MaRSiPAN to MEED: What is new?

Across ages
Diabetes
Refeeding guidance
Legal framework

It is important to note that risk parameters for adults cannot be applied to children and young people without adjustment for age and gender.

This is a guide to risk assessment and cannot replace proper clinical evaluation. However, a patient with one or more red ratings or two or more amber ratings should probably be considered high risk.

Table 1 Risk assessment framework for assessing impending risk to life



Red: High impending risk to life



Amber: Alert to high concern for impending risk to life



Green:Low impending risk to life

Medical history and examination

w	eigl	ht	loss
	~ .g		

Recent loss of weight of Illkg/week for 2 weeks (consecutive) in an undernourished patient34

Rapid weight loss at any weight, e.g. in obesity or ARFID Recent loss of weight of 500-999q/week for 2 consecutive weeks in fluctuating weight an undernourished patient¹²⁶

Recent weight loss of <500g/week or

BMI and weight

- Under 18 vears: m%BMI³⁵ <70%
- 80% Over 18: BMI 13–14.9

40-50

- Under 18: m%BMI 70 Under 18: m%BMI >80%36
- Over 18: BMI <13

Over 18: BMI >15

>50

- HR (awake)
- <40

Cardiovascular health^{37 38}

Standing systolic BP below 0.4th centile for age or less than 90 if 18+, associated with recurrent syncope and postural drop in systolic BP of >20mmHg or increase in HR of over 30bpm (35bpm in <16 years)

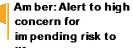
Standing systolic BP <0.4th centile or <90 if 18+ associated with occasional syncope; postural drop in systolic BP of >15mmHg or increase in HR of up to 30bpm

(35bpm in <16 years)

- Normal standing systolic BP for age and gender with reference to centile charts
- Normal orthostatic cardiovascular changes
- Normal heart rhvthm



Red: High impending risk to life





Green: Low im pending risk to life

•	to me	life
Assessment of hydration status	 Fluid refusal Severe dehydration (10%): reduced urine output, dry mouth, postural BP drop (see above), decreased skin turgor, sunken eyes, tachypnoea, tachycardia 	 Severe fluid restriction Moderate dehydration (5–10%) reduced urine output, dry mouth, postural BP drop (se above), normal skin turgor, some tachypnoea, some tachycardia, peripheral oedema
Tem perature	<35.5°C tympanic or 35.0°C axillary	<36°C
Muscular function ³⁹ : SUSS Test	Unable to sit up from lying flat, or to get up from squat at all or only	Unable to sit up or stand from squat without noticeable

	restriction
	Moderate
	dehydration (5–10%
•	reduced urine
	output, dry mouth,
	postural BP drop (s
	above), normal skir
	turgor, some
	tachypnoea, some
	tachycardia,

- Minimal fluid restriction
- No more than mild dehydration (<5%): may have dry mouth or concerns about risk of dehydration with negative fluid balance

by using upper limbs

le to sit up or from squat out noticeable difficulty (Score 2) to help (Score 0 or 1)

Able to sit up from lying flat and stand from squat with no difficulty (Score 3)

M	lusc	ular
fı	ınct	ion:
Н	and	grip
si	tren	gth40

Male <30.5kg, Female < 17.5kg (3rd percentile) Male <38kg. Female <23kg (5th percentile) Male >38kg. Female >23kg

>36°C

Muscular function:

MUAC41

<18cm (approx. BMI<13) 18-20cm (approx. BMI<15.5) >20cm (approx. BMI >15.5)

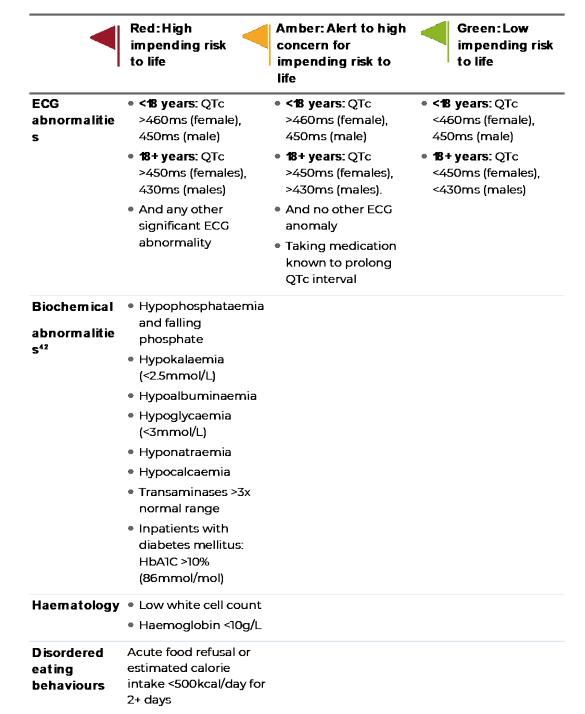
Other clinical Life-threatening state

medical condition, e.g. severe haematemesis, acute confusion, severe cognitive slowing, diabetic ketoacidosis, upper gastrointestinal perforation, significant alcohol consumption

Non-life-threatening physical compromise, e.a. mild haematemesis.

pressure sores

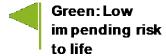
Evidence of physical compromise, e.g. poor cognitive flexibility, poor concentration





Red:High impending risk to life





		me	
Engagement with management plan	 Physical struggles with staff or parents/carers over nutrition or reduction of exercise Harm to self Poor insight or motivation Fear leading to resistance to weight gain Staff or parents/carers unable to implement meal plan prescribed 	 Poor insight or motivation Resistance to weight gain Staff or parents/carers unable to implement meal plan prescribed Some insight and motivation to tackle eating problems Fear leading to some ambivalence but not actively resisting 	 Some insight and motivation to tackle eating problems May be ambivalent but not actively resisting
Activity and exercise	High levels of dysfunctional exercise in the context of malnutrition (>2h/day)	Moderate levels of dysfunctional exercise in the context of malnutrition (>1h/day)	Mild levels of or no dysfunctional exercise in the context of malnutrition (<1h/day)
Purging behaviours	Multiple daily episodes of vomiting and/or laxative abuse	Regular (=>3x per week) vomiting and/or laxative abuse	
Self-harm and suicide	Self-poisoning, suicidal ideas with moderate to high risk of completed suicide	Cutting or similar behaviours, suicidal ideas with low risk of completed suicide	

Key: °C = degrees Celsius; ARFID = avoidant restrictive food intake disorder; BMI = body mass index; BP = blood pressure; bpm = beats per minute; cm = centimetre; ECG = electrocardiogram; g = grams; h = hour; HR = heart rate; kcal = kilocalories; kg = kilogram; L = litre; mmHg = millimetres of mercury; mmol = millimole; mol = mole; ms = millisecond; QTc = corrected QT interval; SUSS Test = Sit Up-Stand-Squat Test.





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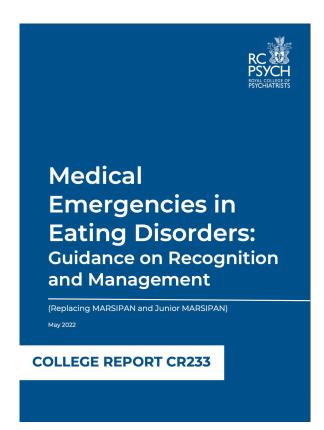
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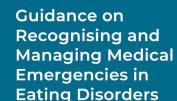


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