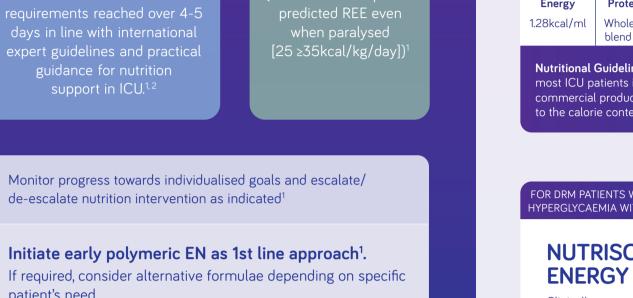
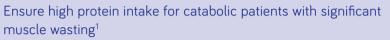


ASSERTIVE, MULTI-MODAL NUTRITIONAL CARE INDIVIDUALISED TO MEET PATIENTS' NEEDS ACROSS THE CONTINUUM OF CARE¹

ICU AND ACUTE CARE	HOSPITAL WARD	LONG-TERM RECOVERY	
DAY 1: 25% of needs DAY 2: 50% of needs DAY 3: 75% of needs DAY 4: 100% measured requirements or 70% estimated** Intervention Larly high protein EN Consider PN if EN insufficient	Screen nutritional status upon admission creen and assess for oropharangeal dysphagia (OD) Successful extubation? VES Oral intake possible? NO VES EN Combination ONS + food Modified text		
	If <50% oral intakeIf 50-75% oral intakeIf >75% oral intake of daily nutritional needs 64,65Continue or start EN + oral diet + start ONSConsider (overnight) EN + start/continue ONSONS required reduce/stop EN (if relevant)	Nutritional risk highMedium/ moderate riskLow riskAdvice on oral diet + continue for > 4 weeks. If required, continue ENAdvice on oral diet and ONS if requiredAdvice on healthy diet	
 Monitor progress towards individualised goals and escalate/de-escalate nutition intervention as indicated Initiate early polymeric EN as 1st line approach^{51,66-68}. If required, consider alternative formulae depending on specific patient's need Ensure high protein intake for catabolic patients with significant muscle wasting Measure REE using indirect calorimetery where possible This visual is an adaptation from "Recovery Focused 	 Monitor progress towards individualised goals and escalate/de-escalate nutition intervention as indicated Ensure high protein intake and consider muscle- targeted interventions (e.g. vit D, leucine) in patients with low muscle mass or sarcopenia Consider pre-existing cardiometabolic condition and individualize advice Monitor outcome indicators/measures linked to goals and clear plan for follow up g from COVID-19" published in Nutrients 2021, 13, 3293. 		
Interpretent in the primary goal is to prevent complications and recovery to enable COVID-19 patients to achieve possible nutritional, physical, functional and men status and to apply learning to date from the CO pandemic to other patient groups experiencing a severe illness1.	Levels without overfeed Energy 1.26kcal/ml Whole Nutritional Guideline: "Du be delivered progressively tal health VID-19	FUENSEerecommended protein ing calories by Day 4abvertice recommended protein a double protein blend with PaProtein type Protein blend with PaProtein protein Dag (32%)Protein clend with PaDig (32%)Protein clend with PaProtein clend with PaPr	
To prevent overfeeding which risks poorer outcomes, aim to provide 70% of estimated or 100% of measured requirements reached over 4-5 days in line with international when	most ICU patients is less	high protein n standard feeds Protein per 100 ml NPC: Nitrogen Ratio n 7.5g (24%) 83 to 1 1.5g MF6 blend	
 Monitor progress towards individualised goals and est de-escalate nutrition intervention as indicated¹ Initiate early polymeric EN as 1st line apprend If required, consider alternative formulae depending patient's need Ensure high protein intake for catabolic patients with muscle wasting¹ 	FOR DRM PATIENTS WITH DI HYPERGLYCAEMIA WITH HIG NUTRISON I ENERGY HP Clinically proven to imp glucose profile versus a energy feed ^c	DIASON	
All Nutricia products stated are Foods for Special Medical Pu	professionals only Nutritional Guideline: "The suffering from Type 2 Dia	Energy from carbohydrates 31%Protein per 100ml 7.7g (21%)Fibre per 100ml 1.5g MF6 blendContains isomaltulose for low glycaemic and low insulinaemic properties. High levels of MUFAs. Low Glycaemic Indexause of diabetic specific enteral formula in ICU patients betes Mellitus seems to improve the glucose profile and onomic impact"2	





All Nutricia products stated are Foods for Special Medical Purposes and must be used under medical supervision. All Nutricia products are for the dietary management of disease related malnutrition (DRM).



ICU TO HOSPITAL WARD

"

Practical guidelines for the nutritional management of acutely unwell inpatients with COVID-19 recommend enteral nutrition (EN) in patients unable to meet nutritional requirements orally with food based strategies and oral nutritional supplements.

Multiple nutritional challenges highlight the need for early individualised nutrition intervention¹.

Monitor progress towards individualised goals and escalate/ de-escalate nutrition intervention as indicated¹

Ensure high protein intake for patients due to risk of ongoing muscle wasting¹

Careful consideration should be given to avoiding premature removal of feeding tubes, and to ensuring continued care post ICU discharge¹

ESPEN guidelines on nutritional support for polymorbid internal medicine patients.³

Recommendation 3.1

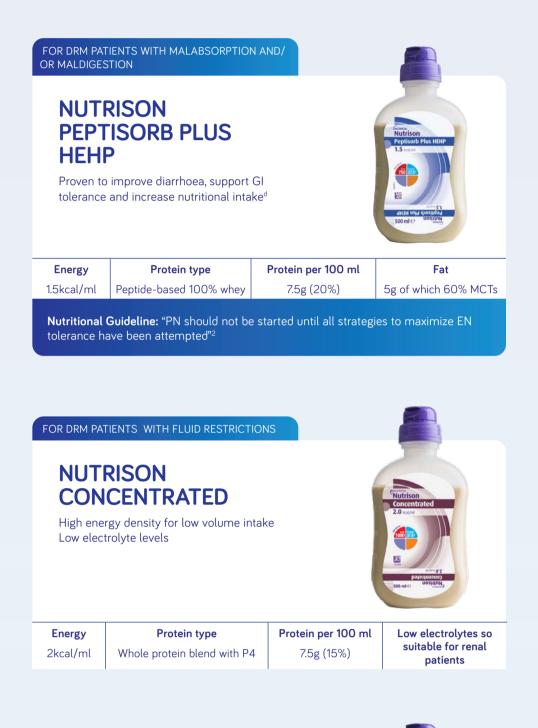
In polymorbid medical inpatients whose nutritional requirements cannot be met orally, EN can be administered. In these cases, the use of EN may be superior to PN because of a lower risk of infectious and non-infectious complications.³

For health care professionals only

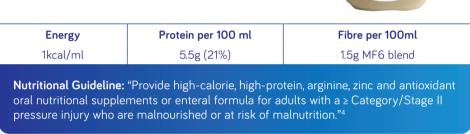
used under medical supervision.







FOR DRM PATIENTS WITH CHRONIC WOUNDS NUTRISON ADVANCED **CUBISON** Contains higher protein, arginine, zinc, selenium, Vitamin C and other antioxidants than standard feeds Clinically proven to accelerate wound healing^e





risk factors for dysphagia... Compensatory treatments including texture modified diet, fluid thickening and specific rehabilitation procedures should be provided with EN continued until oral intake is sufficient to meet energy and protein needs¹.

Monitor progress towards individualised goals and escalate/ de-escalate nutrition intervention as indicated¹

Ensure high protein intake for patients due to risk of ongoing muscle wasting¹

Careful consideration should be given to avoiding premature removal of feeding tubes, and to ensuring continued care post ICU discharge¹

ESPEN expert statements and practical guidance for nutritional management of individuals with Sars-COV-2 infection.⁵

Statement 10

In ICU patients with dysphagia, texture adapted food can be considered after extubation. If swallowing is proven unsafe, EN should be administered⁵.

ESO & ESSD guideline for the diagnosis and treatment of poststroke dysphagia 2021.⁶

Recommendation 6:

In patients with post-stroke dysphagia, we recommend that texture modified diets and/or thickened liquids are prescribed only based on an appropriate assessment of swallowing⁶.

Recommendation 12:

In stroke patients who tolerate an oral diet and present with a risk of malnutrition or with manifest malnutrition, we suggest to consider the use of oral nutritional supplementation⁶.

Recommendation 13:

In patients with post-stroke dysphagia and insufficient oral intake we suggest an early enteral nutrition via a nasogastric tube⁶.

For health care professionals only



HOSPITAL WARD AND DISCHARGE

The aim is to limit the development of malnutrition during hospital stay to enable optimal recovery after discharge. There is a need for early, assertive nutrition intervention in critically ill and non-critically ill hospitalised patients to mitigate the symptom, metabolic, nutritional status and nutritional intake factors that contribute to malnutrition, loss of lean body mass and function that in turn impair

Monitor progress towards individualised goals and escalate/ de-escalate nutrition intervention as indicated¹

Ensure high protein intake for patients due to risk of ongoing muscle wasting¹

Careful consideration should be given to avoiding premature removal of feeding tubes, and to ensuring continued care post ICU discharge¹

Guidelines

ESPEN expert statements and practical guidance for nutritional management of individuals with Sars-COV-2 infection.⁵

Statement 5

Oral nutritional supplements (ONS) should be used whenever possible to meet patient's needs, when dietary counselling and food fortification are not sufficient to increase dietary intake and reach nutritional goals, ONS shall provide at least 400kcal.day including 30g or more of protein/day and should be continued for at least one month⁵.

NUTILIS **COMPLETE STAGE 2** High energy, pre-thickened dessert style

Energy

306kcal

supplement for the dietary management of DRM in patients with swallowing difficulties (IDDSI: Level 3)



NUTILIS FRUIT STAGE 3

Serving size

125g

High energy, and high protein, pre-thickened dessert style supplement for the dietary management of DRM in patients with swallowing difficulties (IDDSI: Level 4)



Nutilis

Nutrison Protein P

Serving size	Energy	Protein	Fibre
150g	206kcal	10g (20%)	3.9g

NUTILIS CLEAR

Nutilis Clear is an instant, xanthan gum based thickener for the dietary management of patients

with dysphagia

Across multiple viscosities, Nutilis Clear positively affects swallowing^f:

SAFETY: significantly increases the % of patients

with safe swallowing^f EFFICACY: does not increase pharyngeal residue^f

PHYSIOLOGY: decreases time to laryngeal vestibule closure^f

Provides 8.7kcal and 1.1g fibre per 3g scoop

NUTRISON PROTEIN PLUS/ PLUS MF Nutrison Protein Plus MF:

- improved GI tolerance (diarrhoea) versus standard care in an RCT (19% versus 48% incidence)^g
- improved plasma levels of EPA, DHA &
- carotenoids^g improved clinical outcome and reduced length of
- stay in post-operative ileus patients versus PN^h

NUTRISON P	ROTEIN PLUS				
Energy	Protei	n type	Protein per 100 ml	NPC: Nitrogen Ratio	Fiber per 100 ml
1.25kcal/ml	Whole protein	blend with P4	6.3g (20%)	99:1	0
NUTRISON PR	OTEIN PLUS MF				
Energy	Protein type		Protein per 100 ml	NPC: Nitrogen Ratio	Fiber per 100 ml

1.28kcal/ml Whole protein blend with P4 6.3g (20%) 103:1 1.5g MF6 blend FOR DRM PATIENTS **NUTRISON PROTEIN PLUS ENERGY/MF** For tube fed patients requiring a high energy and high protein formula. **Protein type Protein per NPC: Nitrogen** Fiber per 100 ml Energy 100 ml Ratio 1.5kcal/ml Whole protein blend with P4 7.5g (20%) 100:1 0 Protein per NPC: Nitrogen Energy **Protein type** Fiber per 100 ml 100 ml Ratio

7.5g (20%) 100:1 1.53kcal/ml Whole protein blend 1.5g MF6 blend Nutritional Guideline: "In polymorbid medical inpatients and in older persons with reasonable prognosis, whose nutritional requirements cannot be met orally, enteral nutrition (EN) should be administered."³

FORTIMEL **COMPACT PROTEIN**

• High energy, high protein ONS • Low volume with 12 different flavours

An ideal solution for better adherence to ONSⁱ

FOR PATIENTS WITH DISEASES ASSOCIATED WITH PROTEIN



For health care professionals only

Protein (g/serving) Energy (kcal/serving) Serving (ml) % Energy from Protein 125ml 300kcal 24% 18g Nutritional Guideline: "In malnourished polymorbid medical inpatients or those at risk of malnutrition, nutritional support shall be continued after hospital discharge in order to maintain or improve body weight and nutritional status"³



DISCHARGE, REHABILITATION AND RECOVERY

- Low muscle mass is associated with higher rates
- Recommended treatment to target muscle mass and function required a multi-modal approach with a focus on optimal protein intake, resistance training and Vitamin D.¹
- Monitor progress towards individualised goals and escalate/ de-escalate nutrition intervention as needed¹
- Ensure high protein intake and consider muscle-targeted interventions (eg. vit D, leucine) in patients with low muscle mass or sarcopenia¹
- Consider pre-existing cardiometabolic condition and individualize advice¹
- Monitor outcome indicators/measures linked to goals and clear plan for follow up¹
- Protein intake and exercise for optimal muscle function with aging: Recommendations from the ESPEN Expert Group⁷ "High protein nutrition in combination with exercise is considered optimal for maintaining muscle function"
 - For health care professionals only
 - - For a full view of all available oral nutritional supplements, click here
- NUTRICIA FORTIFIT FortiFit High-protein ONS, containing ActiSyn™ a unique combination of nutrients (100% whey protein, leucine and vitamin D) which stimulates muscle protein synthesis⁸. Serving (ml) Energy Protein Leucine Vitamin D (µg/ (kcal/serving) (g/serving) (g/serving) serving) 150kcal 40g in 125ml water 21g 3g 20 µg (800IU) Nutritional Guideline: "Nutritional support should be continued post hospital discharge to maintain or improve functional status and quality of life"

FORTIMEL ADVANCED Fortimel High-energy and high-protein ONS, containing ActiSyn[™]: a unique combination of nutrients (100% whey protein, leucine and vitamin D) which stimulates muscle protein synthesis9.

Serving (ml) Energy Protein Leucine Vitamin D (µg/ (kcal/serving) (g/serving) (g/serving) serving) 302kcal 200ml 10 µg (400IU) 21g 3g Nutritional Guideline: "In malnourished polymorbid medical inpatients or those at high risk of malnutrition, nutrient-specific ONS should be administered, when they

"A recent study showed benefits of a muscle-targeted ONS (20g whey protein, 2.8g leucine, 800 IU Vitamin D, 500mg calcium) compared to iso-caloric placebo in sarcopenic patients during a rehabilitation program.

The muscle-targeted ONS led to a reduction in rehab duration (-27%), shorter length of stay (-10 days), more patients discharged home (+24%)"8

For a full view of tube portfolio, click here

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