

CRA NUTRITRACK SYSTE

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Nutritrack is a web application that helps cancer patients who have issues with low food intake and weight loss. It allows them to easily record their food intake history through a menu format, calculate energy and nutrients, and send the information to dietitians for nutritional assessment. This enables the design of appropriate meals for quick and effective nutritional treatment, preventing the risk of malnutrition.

Key Features



Tracking Patients' Food Intake

The app provides a user-friendly food recording function for patients to track their daily food intake, making diet management easier, more convenient, and more accurate compared to paper records.



Reducing Dietitian's Workload

The app can automatically calculate calories, protein, and other nutrients from food records, allowing for quicker and more accurate patient monitoring.



Creating Meal Plan

The app can create personalized meal plans, tailoring to meet patients' requirements based on the app's calculations with a genetic algorithm, ensuring personalized and precise nutritional support.

Steps for Using

The app users on the patient side.



Patients register and record

their health information.

Weight

Height

Gender

Age





- Food menu Food portions
- The app calculates the values automatically.
 - Body Mass Index : BMI
 - Ideal Body Weight: IBW
 - Adjusted Body Weight: ABW
 - Calorie intake
 - Protein intake

The app users on the dietitians side.



Set goals and assess risks

Calories Goal Requirements

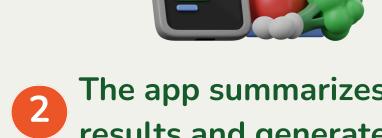
• Protein Goal Requirements

SPENT Nutrition Screening

• Nutrition Triage: NT-2013

Nutrition Alert Form : NAF

• Refeeding risk assessment





- suitable meal plans.
- Oral diet
- Oral nutrition supplements (ONS)
- Enteral nutrition



- All data is sent to the patient-side users.
 - Calorie/Protein intake
 - Goal Requirements
 - Nutrient deficiencies
 - Assessment scores
 - Recommended meal plans

Benefits

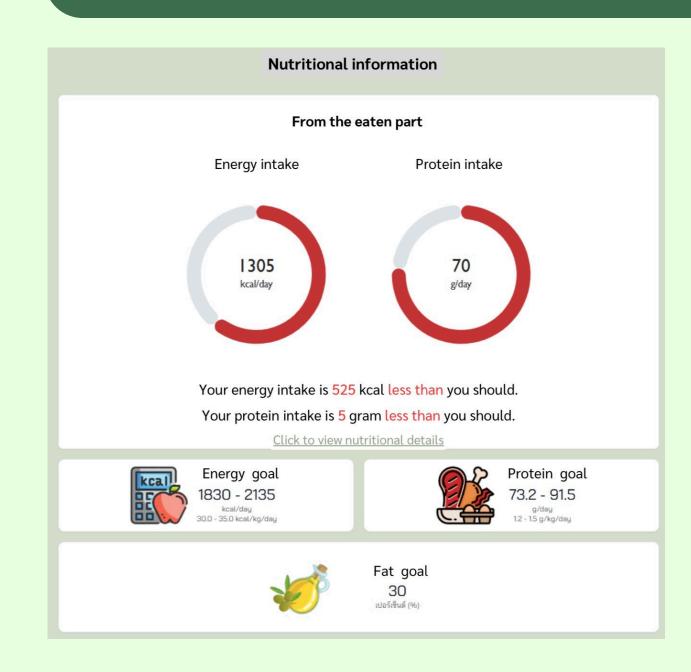
Chronic diseases.

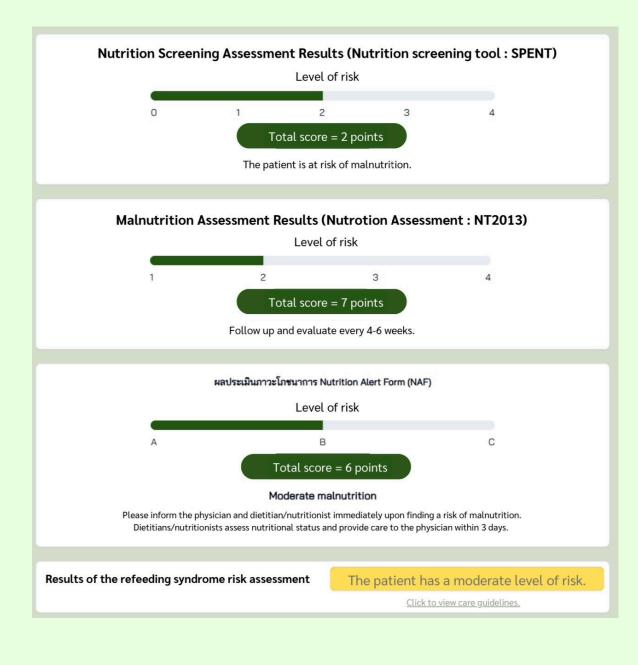
The app allows continuous tracking of nutritional progress and can send reminders to patients to follow their meal plan, helping to prevent nutrient deficiencies.

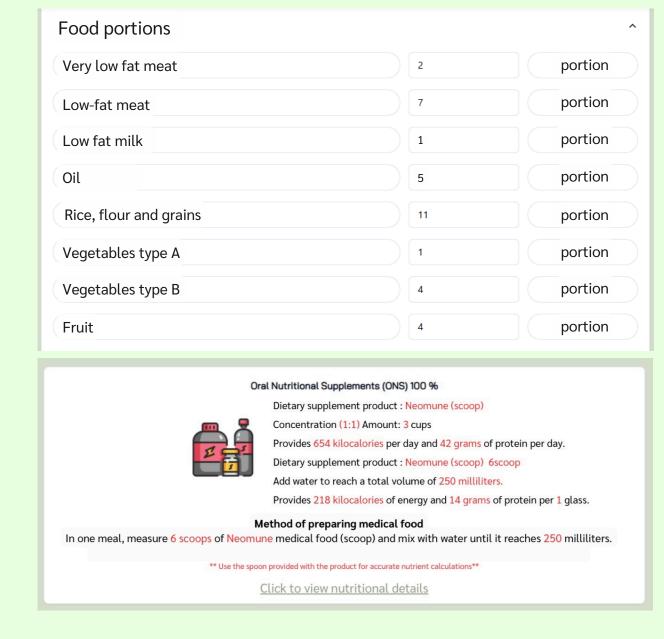
Target Users

- Dietitians / Nutritionists
- Physician
- Patient

Results obtained from the Nutritrack web application.







The results of percentage changes in patients who got treatment with Nutritrack.

