

La formazione dei docenti a cura del CNR

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L'OBIETTIVO di questo progetto è PROGETTARE e TESTARE un INNOVATIVO PERCORSO PILOTA di apprendimento di itinerari in tutta Europa nel campo della CUCINA SANA.

Le scuole di alta cucina dei paesi partner **CHEEP** sono state coinvolte in un processo educativo innovativo per fornire conoscenze di contenuto specifico e competenze tecnologiche su percorsi di cucina salutare attraverso una pratica didattica e un ambiente di apprendimento mirati allo sviluppo e alla applicazione delle conoscenze.







Webinar di cucina sana per insegnanti

Fornire insegnanti di scienza dell'alimentazione

Conferire nozioni scientifiche

Diffondere la conoscenza teorica

Promuovere e sviluppare una cucina sana



Webinar di cucina sana per insegnanti

Individuato dei docenti che hanno partecipato al webinar





Webinar di cucina sana per insegnanti

messa a punto dell'infrastruttura tecnologica da utilizzare per il webinar









Webinar di cucina sana per insegnanti

Composizione del comitato scientifico che ha tenuto il webinar

Dr. Fabio Lauria

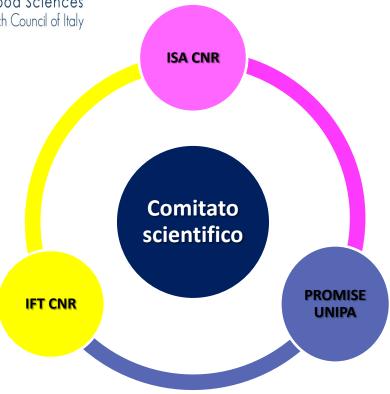




Dr. Stefania La Grutta







Prof. Carla Giordano



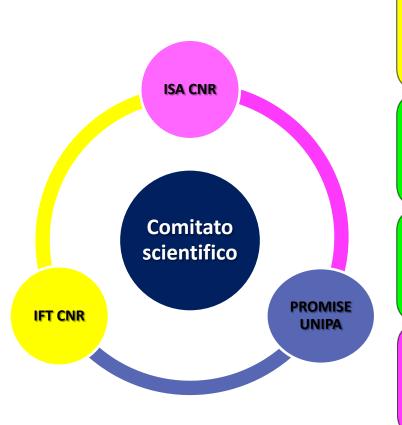






Webinar di cucina sana per insegnanti

Progettazione dei contenuti formativi del webinar



ex-ante questionnaire

TUESDAY 12th Jan 2021 3.30 PM - 5.00 PM CET

post-ante questionnaire

Introduction

• From Giudelines To Practice

Principles Of Healthy Diet

Dietary Advice And Practice

• Q&A

FOOD ALLERGY

ex-ante questionnaire

TUESDAY 19th Jan 2021 3.30 PM - 5.00 PM CET

post-ante questionnaire

Introduction

From Giudelines To Practice

Principles Of Healthy Diet

· Dietary Advice And Practice

Q&A

DIABETES

ex-ante questionnaire

TUESDAY 26th Jan 2021 3.30 PM = 5.00 PM CET

post-ante questionnaire

Introduction

From Giudelines To Practice

Principles Of Healthy Diet

Dietary Advice And Practice

Q&A

CELIAC DISEASE

ex-ante questionnaire

TUESDAY Feb 2nd 2021 3.30 PM – 5.00 PM CET

post-ante questionnaire

Introduction

From Giudelines To Practice

Principles Of Healthy Diet

Dietary Advice And Practice

Q&A

OBESITY

Il webinar è stato registrato e liberamente accessibile attraverso i siti web. E' stata usata la lingua ufficiale inglese.







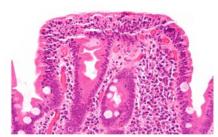


Introduction
From guidelines to practice
Principles of healthy diet
Dietary advice and practice

Download slides 🤰

All webinars have been uploaded and available on

https://www.cheeproject.eu/index.php?option=com_content &view=article&id=10:o3&catid=11&Itemid=122



February 9th 2021, 3:30 PM - 5:00 PM CELIAC DISEASE

prof. Carla Giordano

Università degli studi di Palermo



Introduction
From guidelines to practice
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Dietary advice and practice

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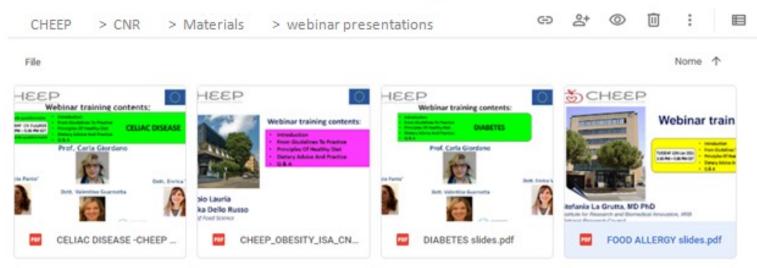
Webinar di cucina sana per insegnanti

CERTIFICATO DI ATTESTAZIONE



Utilizzando le presentazioni webinar sono stati creati materiali per gli studenti

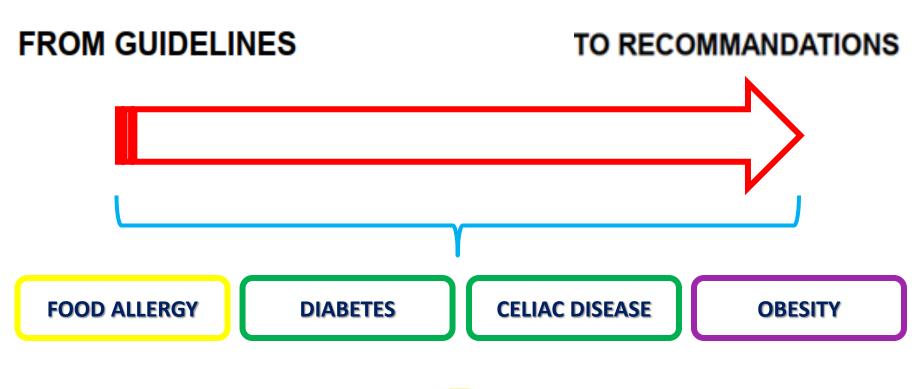




Materiale scientifico per l'implementazione dei contenuti del progetto per i curricula scolastici



- La nutrizione dei tumori: il ruolo del microbiota degli integratori
- Legame tra nutrizione e malattie neurodegenarive





FROM GUIDELINES TO RECOMMANDATIONS

1. WHAT THE PERSON IS ALLERGIC TO

Questions in the evaluation of food allergy

- -What is the suspected food allergy?
- -Was the suspected food allergen ingested, inhaled, or touched?
- -Does the subject have an aversion to the suspected food allergen?
- -How soon after exposure to the food allergen did the symptoms occur?
- -What are the specific symptoms and how severe are they?
- -How long did it take for the symptoms to resolve?
- -How reproducible are the symptoms with previous or subsequent ingestion?
- -Does exercise precipitate the symptoms?

2. THE WAYS THE FOOD ALLERGIC REACTION MANIFESTS

- Reactions can be triggered by food ingestion, inhalation and

3. THE TOP 8 FOODS AT RISK OF FOOD

- Cow's milk, egg, wheat, soy, peanut, tree nut, fish, and shell

4. THE FEATURE FOOD ALLERGY

- Large spectrum of symptoms ranging from
 - · Skin (i.e. urticaria, angioedema, atopic eczema/ dermati Gastrointestinal (i.e. vomiting, colic, abdominal pain, di

 - Respiratory (i.e. rhinorrhea, sneezing, cough, dyspnea)
 - Circulatory (i.e. cardiovascular collapse)
 - Anaphylaxis: Tight throat, swollen lips, hives, severe st

5. FOOD TRIGGERS FOR ANAPHYLAXIS

- Milk, Peanut, Egg, Tree Nuts, Soy, Fish, Wheat, Shellfish, products (e.g., beef, pork, lamb), Baked foods (Pancake an pizza, pancakes, cream puffs, crepes, cheeses, cold cuts, ce inhalation), soy sauce, Anisakis proteins after ingestion of

9. ELIMINATE THE CULPRIT FOOD ALLERGEN(S)

- · Individual tolerance levels to the allergenic food may differ and change overtime, especially in children, and may affect the stringency of avoidance
- . Be aware of risk situations, read the labels and how to avoid the relevant food
- . Know that European Union (EU) directives ask for the declaration of allergenic ingredients in foods and be informed about precautionary labelled foods.
- Provide with information on possible substitute products for most food allergens.

10. ALLERGENICITY AND FOOD PROCESSING

Consequences of thermal treatment on allergenicity; can create new allergenic destroying existing epitopes.

are described as

(e.g. milk, egg, fish, peamuts, and products thereof) TABLE (e.g. soya bean, cereals, celery, tree muts, and their

fig. mango, persimmon, jackfruit, walnut, chickpea, potatoes, tomatoes and of the Rosaceae family and carrots)

the pollen proteins. The allergy to plant foods caused by this cross-reaction is

useful provided that nutritional evaluation regarding the phytate ens content is considered

cow's milk should fulfil the criteria for documented

have the potential to bind immune cells, therefore can still

for patients with cow's milk allergy

een shown to be cross-reactive and therefore evidence for

been shown to be cross-reactive and therefore evidence for

en shown to be cross-reactive and therefore evidence for

is lacking

8. EMERGENCY MANAGEMENT OF ANAPHYLAXIS

- FIRST LINE: INTRAMUSCULAR ADRENALINE
- · Adrenaline should be given by intramuscular injection into the mid-outer thigh.

- Occurs where the proteins in one food or substance share characteristics with

- People who are allergic to the proteins in some plants (i.e birch) can also be allergic to certain plant foods (i.e. plum, peach, apricot, nectarine, strawberries,

parsley). This is because proteins in fruits, vegetables and muts are very similar to

- LEGUME & TREE NUTS CROSS-REACTIVITY, Brazil mut, hazelmut, walmut,

-Approximately 30-50% of individuals who are allergic to natural rubber lates:

-Large number of plant foods, such as avocado, banana, chestnut, kiwi, peach.

(NRL) show an associated hypersensitivity to some plant-derived foods,

known as POLLEN FOOD SYNDROME or oral allergy syndrome. MAMMALIAN serum albumins CROSS-REACTIVITY

- · ADRENALINE auto-injectors TRAINING . 1. Remove the blue safety can

tomato, white potato, and bell pepper

those in another food or substance.

or insect (e.g., cockroach, moth)

sesame seeds, and vellow mustard

7. CROSS-REACTIVITY LATEX AND FOOD

GRAIN CROSS-RECATIVITY

PEANUT ALLERGEN

Latex-fruit syndrome

especially fresh fruits

FISH & SHELLFISH CROSS-REACTIVITY

- 2. With the orange tip facing down,
- · hold the adrenaline auto-injector firmly in your fist and pull off the blue safety release.
- 3. Hold the leg still and place the orange end against the outer mid-thigh.
- Hold for 10 seconds
- SECOND LINE: Airway, Breathing, Circulation, Disability and Exposure
- No absolute contra-indications to treatment with adrenaline in a patient experiencing anaphylaxis; benefits outweigh the risks in the elderly and patients with pre-existing cardiovascular disease.

- Cross-reactivity between shellfish and invertebrate allergens, such as dust mite

and for nutritional adequacy.

tion in subjects with cow's milk allergy similar to the proteins in cow's milk, and therefore should not

is lacking

ON OF ANISAKIASIS

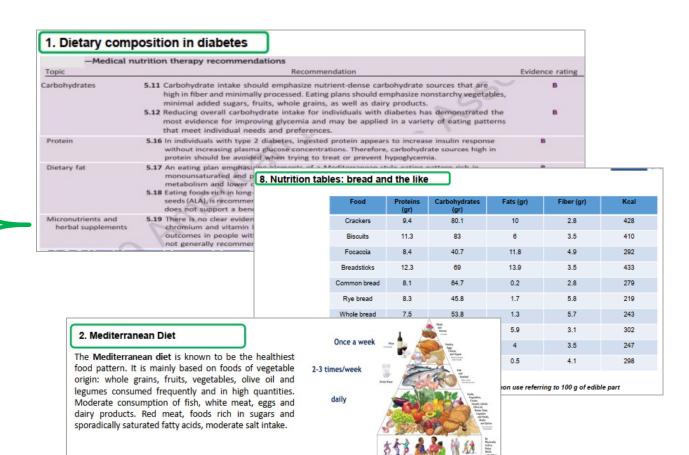
consumption is deep-frozen (at =20 °C) for at least 24 h. at least 10 min at 60 °C throughout for 10 min or longer. pean Community regulations require visual examination of fish eavily parasitized specimens from the market and extraction of ess heavily parasitized specimens, as well as freezing of fish for

Drug Administration (USA) regulation requires that all fish and not be processed at temperatures above 60 °C have to be frozen for 7 days.

FOOD ALLERGY



FROM GUIDELINES TO RECOMMANDATIONS



DIABETES



FROM GUIDELINES TO RECOMMANDATIONS

1. WHAT IS OBESITY

Obesity is most commonly caused by a combination of excessive food et lack of physical activity, and genetic susceptibility. Abnormal or excessive accumulation may impair health. This can be as a result of poor nutrition, all genetic predisposition, increase in physical inactivity from the increasingly nature of many forms of work, or changes in dietary and physical activity ps 8.

WHO classifies body mass index (BMI) equal to or greater than 25kg/m^3 overweight and BMI $\geq 30 \text{ kg/m}^3$ as obesity.

Body mass index = [Mass in kg] divided by [height in meters, squared],

2. RISK FACTORS FOR OVERWEIGHT AND OBESITY

- Excessive consumption of foods rich in calories and low in nutritional co
- Sedentary behaviors
- Genetic susceptibility

3. FOODS TO REDUCE OR AVOID

Egods, especially processed and refined products, should be avoid or reduced. Among them, fried potatoes/potato croquettes, fried and/or coate meat and poultry, fried and/or coated fish, sugar sweetened drinks, choosis spread, salty and sweet snacks, ice cream, milk or fruit-based bars that are sugar, in fat, and/or salt but low in nutritional content, dairy products.

1

4. PRINCIPLES OF HEALTHY DIET

- Explain that obesity is a major risk factor for non-communicable dise cardiovascular diseases (e.g., hypertension), diabetes, musculoskelet (osteoarthritis of joints), and some cancers (endometrial, breast, colo
- Explain that childhood obesity is associated with premature death an adulthood, respiratory difficulties, and increased risk of fractures, hy

- Explain that weight loss can help relieve physical, metabolic, endocrinological and psychological complications.
- Explain the importance of regular meal patterns (three meals a day with two snacks).
 Advise on adding fiber into the diet (more whole grains, more fruits and veestables).
- 7. Encourage self-recognition of hunger cues (e.g., stop eating when feeling full).
- 8. Advise to drink plenty of water every day.
- 9. Advise to increase physical activity.
- Explain that parents are responsible for what is offered to children to eat, and children are responsible for what and how much is eaten. Both should focus on healthy erowth.
- Counsel on portion sizes of food. Discuss age-appropriate portions and snacks. Explain that many parents innocently overfeed their children. Show child-size plates and utensils with sample portion sizes.
- Encourage regular family meals whenever possible and limiting unplanned or habitual snacking. Between meals, ice water can be offered as a treat instead of sweetened beverages. Maintain children's self-image through positive reinforcement.

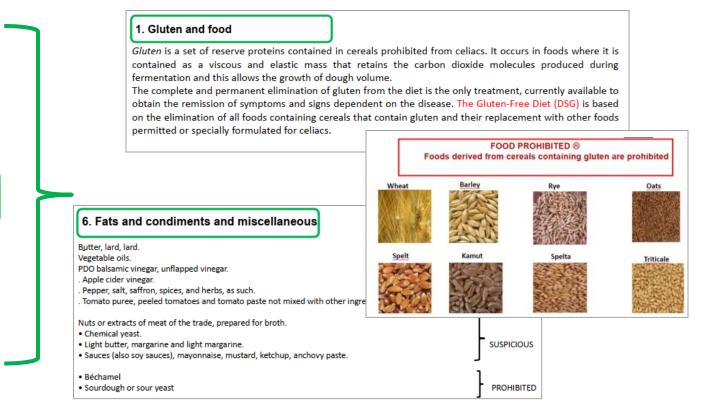
5 DIETARY ADVICE AND PRACTICE THE TOP 10

- Prepare a low density and balanced meal, that is reduced in calories but satisting. Then, prefer vegetables and foods rich in fibre and limit fats as seasoning or fatty foods.
- Choose mainly vegetable foods: that are satisting and low in calories. "Play" with colors and flavors!
- Prepare a meal low in carbohydrates (keep in mind the portion size, that must be small!!!)preferring the consumption of foods rich in fiber or containing slowly absorbed starches, such as vegetables (spinach, cabbages, tomatoes, broccoli, cauliflower, cucumber), whole grains, oats, buckwheat and quinoa among cereals and legumes (lentils, beans, peas, chickpeas, soy, fava beans).
- Reduce the use of fats! Use the least possible of them, preferring extra virgin oil for seasoning and avoid saturated fats (butter, cream, fat meet). Limit cheese, prefer lean ones.
- Proteins must be of good biological value and derived from both animal and plant protein source. In the meal, choose foods with a higher protein content and a lower intake of carbohydrates and fats. Then, choose lear meats, fish for animal protein sources and legumes for vegetables protein sources.
- Limit simple sugars (sweets, sugar, honey, fruit, milk,...)! Favor the consumption of fruit and milk without adding other sugars sources.





FROM GUIDELINES TO RECOMMANDATIONS





CELIAC DISEASE



Webinar di cucina sana per insegnanti



Sviluppo di contenuti formativi, fornendo indicazioni sulle diverse patologie e linee guida per la realizzazione delle ricette in chiave salutistica.



Le diverse informazioni scientifiche sono state utilizzate dalla scuola per integrare e creare nuovi contenuti didattici per il corso pilota.



Il CNR ha monitorato la realizzazione dei materiali didattici prodotti per le diverse patologie al fine di garantirne la validità scientifica del corso pilota.



Il CNR ha applicato un processo continuo di supervisione di tutte le ricette prodotte dallo chef fornendo indicazioni per ogni ricetta al fine di adattarle e trasformarle secondo i criteri individuati.



Il CNR ha monitorato tutte le ricette e selezionato quelle che rispondono ai criteri individuati e rilasciati come linee guida dal CN







Stefania La Grutta dirigente di ricerca



Velia Malizia ricercatore



Alessandra Pandolfo assegnista di ricerca



Anna Bonomolo tecnologo



Mauro Biondo collaboratore tecnico E.R.



