Healthy Ageing 101 Presents:

Beyond Tea And Toast: Optimizing Nutrition As We Age

Tuesday March 21, 2023

Lisa Snider-Nevin, RD Clinical Dietitian, Mount Sinai Hospital







Disclaimer

This presentation is not meant to replace individualized guidance on diet and health. If you have specific nutrition or health related concerns please speak with your doctor or a registered dietitian.





Learning Objectives

- Review age related changes and risk factors for malnutrition
- Review nutrition goals for older adults, focus on hydration and preventing muscle loss
- Discuss general healthy eating for healthy ageing



Healthy Eating for Healthy Ageing – Why it's Important

- Proportion of Canadians 65 or older is predicted to reach nearly 25% by 2030 (Government of Canada - Action for Seniors Report)
- Nutrition can play an important role in managing/reducing the risk of chronic health conditions such as cancer, heart disease and diabetes
- Malnutrition can result in longer length of hospital stay
- Maintaining good nutrition can help contribute to better quality of life as we age





Age Related Changes

- Loss of muscle mass (sarcopenia)
- Decrease in total body water
- Lower bone density
- Decreased absorption of some nutrients (e.g- B12)
- Increased risk of chronic illness



Age Related Risk Factors for Malnutrition

- Dysphagia
- Diet restrictions related to chronic illness
- Dementia
- Decreased Mobility/Eating Impairment/Pain
- Taste and smell alterations
- Socio-economic factors
- Motivation/Depression (Cooking for one tea and toast!)
- Constipation





Nutrition Related Goals

- Manage chronic illness (blood sugar, cardiac workload, renal function etc.)
- Adequate energy and protein intake
- Meet DRI for micronutrients
- Minimize muscle loss
- Ensure feeding safety
- Skin integrity
- Promote recovery from surgery or illness
- Hydration





Hydration in Older Adults

- As we age our bodies become less efficient at maintaining fluid balance.
- Kidney function, impaired thirst mechanism, texture modified diets can all affect hydration.
- Getting up to use the washroom!
- Hot weather as well as fevers and other illness can cause water loss and increase need for fluid intake.





Signs of Dehydration

- Increased thirst
- Feeling faint or dizzy
- Dry mouth/skin
- Cracked lips
- Decreased urine output, darker colour urine
- Altered mental status





Potential Consequences of Dehydration

- Confusion
- Infections
- Impaired kidney function
- Electrolyte abnormalities
- Temperature
- Delayed wound healing
- Constipation





Tips to promote hydration

- Small amounts throughout the day
- Encourage liquids with all meals and snacks
- Offer extra liquids with medication
- Consider preferences juices, coffee/tea, soup, popsicles, milk can all help with hydration
- Pay extra attention to fluid intake on thickened fluid diets



Sarcopenia

Loss of muscle can affect:

- Metabolic rate
- Risk of falls
- Respiratory function
- Ability to swallow

Risk factors:

- Age
- Prolonged hospital stay, immobility, sedentary lifestyle
- Decreased protein intake

Preventing and treating sarcopenia requires a multidisciplinary approach!





Strategies for increasing protein intake

- Include a variety of protein rich foods such as beans/legumes, nuts/seed, dairy or (protein rich) alternatives, meat, eggs, fish, tofu, tempeh etc.
- Include protein rich foods at all meals and snacks
- If appetite is low try to have smaller more frequent meals
- Eat the protein rich foods on your plate first
- Protein rich foods are also a good source of iron, zinc, vitamin B12, calcium and vitamin D.





Protein Content of Common Foods

Food	Portion	Protein (g) (approx.)
Meat, fish or poultry	75g (2.5 oz)/125 ml	21
Firm tofu	150 g/175 ml	21
Egg, chicken	2 large	12
Cheese	50 g (1.5 oz)	12
Beans, peas, lentils	175 ml (3/4 cup)	12
Cow's milk	250 ml (1 cup)	9
Yogurt	175 ml (3/4 cup)	8
Peanut butter	30 ml (2 Tbsp)	6
Nuts or seeds	60 ml (1/4 cup)	7
Bread	1 slice (35 g)	4

Practice Based Evidence in Nutrition, 2015





Healthy Eating for Healthy Ageing

- Avoid added sugar
- Choose high fibre foods more often
- Enjoy healthy fats, limit saturated/trans fat
- Limit highly processed foods and foods high in salt
- Enjoy home cooked meals more often
- Nutrition considerations for managing chronic health conditions
- Canada's Food Guide...





Canada's Food guide since 1942

CANADA'S OFFICIAL FOOD RULES

These are the Health-Protective Foods

Be sure you ear them every day in at least these amounts.

(Use more if you can)

MILK-Adults-4 pint. Children-more than 1 pint. And some CHEESE, as available.

FRUITS—One serving of tomatoes daily, or of a citrus fruit, or of tomato or citrus fruit juices, and one serving of other fruits, fresh, canned or dried.

VEGETABLES (In addition to potatoes of which you need one serving daily)—Two servings daily of vegetables, preferably leafy green, or yellow, and frequently raw.

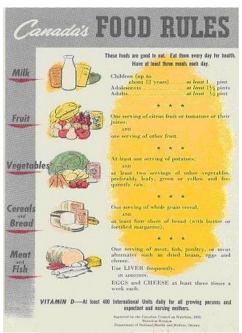
CEREALS AND BREAD—One serving of a whole-grain cereal and 4 to 6 slices of Canada Approved Bread, brown or white.

MEAT, FISH, etc.—One serving a day of meat, fish, or meat substitutes. Liver, heart or kidney once a week.

EGGS-At least 3 or 4 eggs weekly.

Eat these foods first, then add these and other foods you wish.

Some source of Vitamin D such as fish liver oils, is essential for children, and may be advisable for adults.





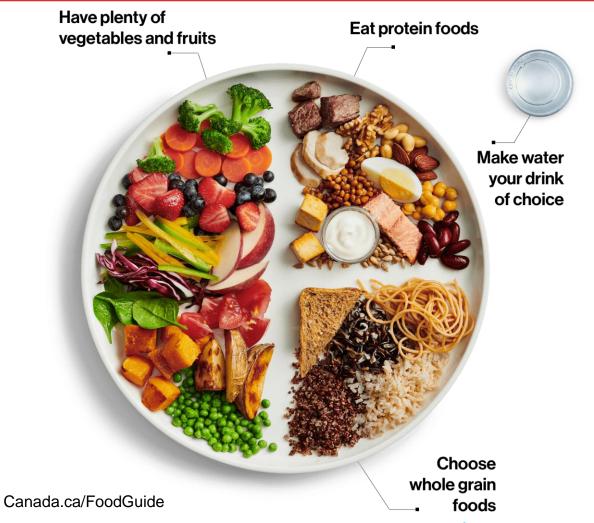








Canada's Food Guide Today





References

Canadian Frailty Network. Sarcopenia (Muscle Wasting) and Frailty.

https://www.cfn-nce.ca/frailty-matters/living-with-frailty/sarcopenia-muscle-wasting-and-frailty/#1569004147851-7b02dc00-3056 Accessed February 09, 2023.

Government of Canada – Action for Seniors Report.

https://www.canada.ca/en/employment-social-development/programs/seniors-action-report.html. Updated 2021-02-16. Accessed February 09, 2023.

Gerontology – Hydration. Practice Based Evidence in Nutrition. <a href="https://www-pennutrition-nutrition

Updated 2015-10-26. Accessed February 09, 2023.

Government of Canada. Canada's Food Guide. Healthy Eating for Seniors. https://food-guide.canada.ca/en/tips-for-healthy-eating/seniors/ Updated 2022-05-03. Accessed February 09, 2023.

Government of Canada. Dietary Reference Intakes. https://www.canada.ca/en/health-canada/services/food-nutrition/healthy-eating/dietary-reference-intakes/tables/reference-values-vitamins-dietary-reference-intakes-tables-2005.html. Updated 2010-11-09. Accessed March 14th, 2023.

British Dietetics Association. Five Tips to Boost Good Nutrition and Hydration in Older Age. https://www.bda.uk.com/news-campaigns/campaigns/malnutrition/five-tips-to-boost-good-nutrition.html

Updated 2018-11-13. Accessed February 09, 2023

Government of Canada. History of Canada's Food Guide. January 2019. <a href="https://www.canada.ca/content/dam/hc-sc/documents/services/food-nutrition/canada-food-guide/resources/evidence/food-nutrients-health-interim-evidence-update-2018/26-18-2165-History%20of%20CFG-EN-06.pdf Accessed March 17th, 2023.

European Hydration Institute. Consequences of Dehydration. https://www.europeanhydrationinstitute.org/consequences of dehydration/Updated 2013-12-12. Accessed Feb 09, 2023

Dietitians of Canada Practice Based Evidence in Nutrition. Eating Guidelines for Increasing Your Energy and Protein Intake. Handout. Updated 2020-02-03.

Dietitians of Canada Practice Based Evidence in Nutrition. Quick Nutrition Check for Protein. Handout. Updated 2019-07-09.

Dietitians of Canada Practice Based Evidence in Nutrition. Eating Guidelines to Prevent Osteoporosis. It's Never Too Late. Handout. Updated 2018-10-11

Canadian Malnutrition Taskforce. https://nutritioncareincanada.ca/ Accessed March 14th 2023

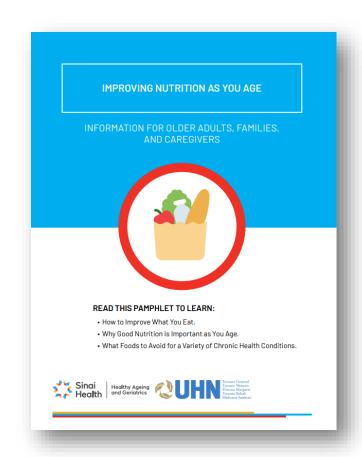




Additional Resources

Find more information in "Improving Nutrition As You Age" available on our website

https://sinaigeriatrics.ca/patientresources/improving-nutrition-asyou-age/









Additional Resources

https://sinaigeriatrics.ca/healtheducation/

Canada's Food Guide

 Canada's Food Guide provides advice on how to plan meals, eat well and maintain a balanced diet.

https://food-guide.canada.ca/en/

Dietitians of Canada

 Dietitians of Canada provides resources to help with healthy food choices, including links to several food trackers, self-assessment tools, cooking guides and recipes.

https://www.dietitians.ca/







Questions? (submit through Q&A)









Stay Connected With Us



https://sinaigeriatrics.ca/healtheducation/

Website: Twitter:

https://sinaigeriatrics.ca

@SinaiGeriatrics

LinkedIn:

Healthy Ageing and Geriatrics Program (Sinai Health and University Health Network)





