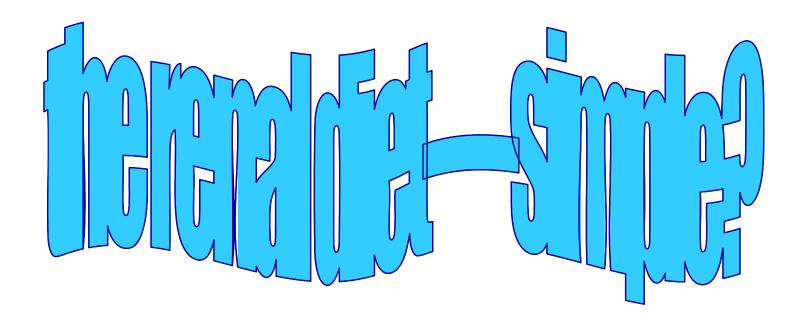
Potassium Education: Where to go from here?

The evaluation and development of a potassium education tool which facilitates self-management





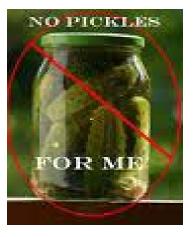
































The renal diet +

- Add diabetic diet
- Add modified fat and cholesterol
- Add texture modification
- Add celiac disease
- Add vegetarian diet



So what's left?





"Is it true all that is left is... parsley and ice cubes?"







POTASSIUM

Potassium is a mineral needed for your nerves and muscles. With reduced kidney functions your kidneys are not able to clear excess potassium. Potassium build up can cause your heart to stop. A build up of potassium may cause: No symptoms, weakness or rubbery legs, or diarrhea. The following food list will help you choose lower potassium foods.

The following food list will help you choose lower potassium foods.			
FRUITS	<u>LOW</u>	<u>MEDIUM</u>	<u>HIGH</u>
	Choose more often	Choose less often	Avoid
	Apple, apple juice, apple sauce	Apricots (canned), apricot nectar,	Avocado, apricots (raw),
		cherries, grapefruit, grapefruit juice,	banana, canteloupe, dried fruit
	Berries: black, blue, goose, boysen,	grape juice, peach (raw), pear (raw),	(ie. Apricots, currants, dates,
*Caution:	cranberries, raspberries, strawberries	pineapple juice, rhubarb	figs), lychee, guave, honeydew,
Starfruit	31.5	raisins (2 tbsp)	jack fruit, kiwi, mango,
(Carambola)	Fruit cocktail, grapes, lemon, lime,		nectarine, orange, orange
Not recommended	mandarin oranges (canned), peaches		juice, papaya, plantain,
for people with	(canned), pear (canned), plums,	**!	pomegranate, prickly pear,
chronic kidney	pineapple, prunes (2), tangerine		prune juice, soursop, tamarind,
disease*			watermelon, japanese persimmon
	servings/day	*	(Hachiya, fuyu varieties also
	(1 serving = 1/2 cup or 1 small fruit)		known as "Kaki" or "Shizi")
VEGETABLES	Alfalfa sprouts, bean sprouts, bamboo shoots (canned), beans-green/yellow, beets (canned), broccoli, cabbage-green or red, celery (raw 1stalk), cucumber, dandelion greens, eggplant, endive, leeks, lettuce, onions, peppers, radish, radicchio, shallots, spaghetti squash, watercress servings/day (1 serving = 1/2 cup)	carrots, cauliflower, celery (cooked), corn (kernels or on-the-cob), kale, peas, <u>potato</u> = peeled/pre-soaked/mashed or boiled, spinach (raw), squash-butternut, turnip, zucchini servings/day (1 serving = 1/2 cup)	Artichoke, asparagus, bamboo shoots (raw), lima beans, beets and beet greens (raw or boiled), brussels sprouts, carrot juice, cassava, dried peas and beans (ie. Chick peas, kidney beans, navy beans, lentils etc), kohlrabi, mushrooms, okra, parsnips, *potato-baked, french fried, microwaved or roasted, pumpkin, rutabaga, spinach (cooked), squash-acorn or hubbard, sweet potato, swiss chard, tomato, tomato-canned, juice, paste or sauce, vegetable juice, yam, rapini (cooked)

^{*} potato preparation: 1) peel, cube, soak 6-8 hours, discard water and cook or

july 2009



²⁾ peel, cube, boil 15 minutes, discard water and boil again 15 minutes.

Motivation

To produce a new tool:

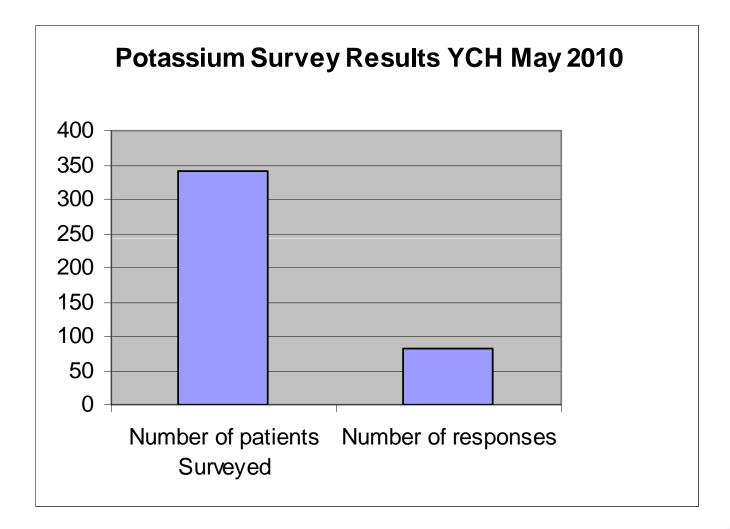
- 1. To be current and contemporary
- 2. To provide person focused care
- 3. To incorporate principles of self-management



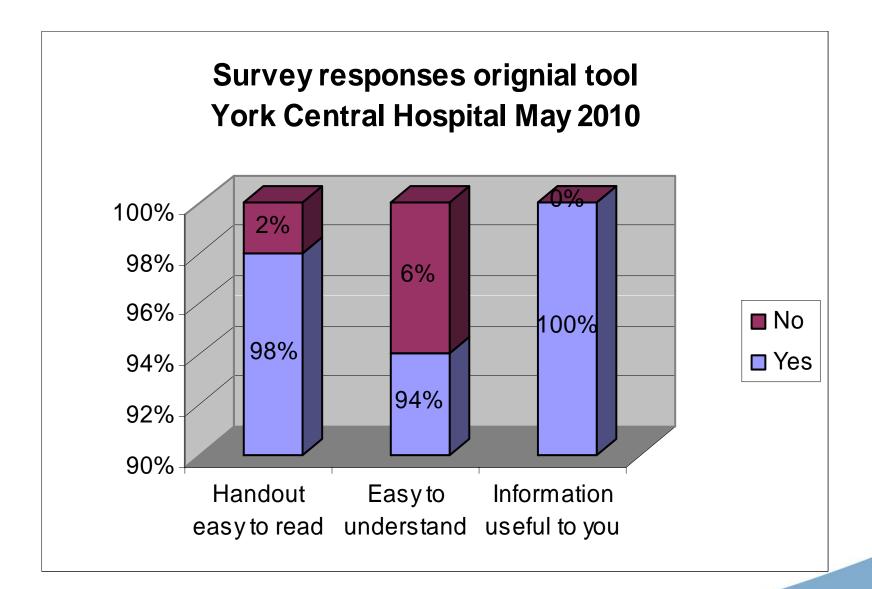
Survey Questions

- 1. Is the handout easy to read?
- 2. Is the information easy to understand?
- 3. Is the information useful to you?
- List any foods or other information that you would like to have added to this handout
- 5. Comments











Survey comments

- Alphabetized list
- Less clutter
- Larger font size
- More cultural food choices
- Specific quantities listed
- How much they could have each day
- More fresh vegetables and fruit choices



Resources

- 1. Canadian nutrient file
- 2. USDA nutrient file
- International food tables
- 4. Consulted colleagues of various cultures to discuss use of cultural foods, usual portion size
- 5. Manual of clinical dietetics, American Dietetic Association and Dietitians of Canada, 6th ed.2000.











Potassium in Fruit, Juices, Vegetables and Beans

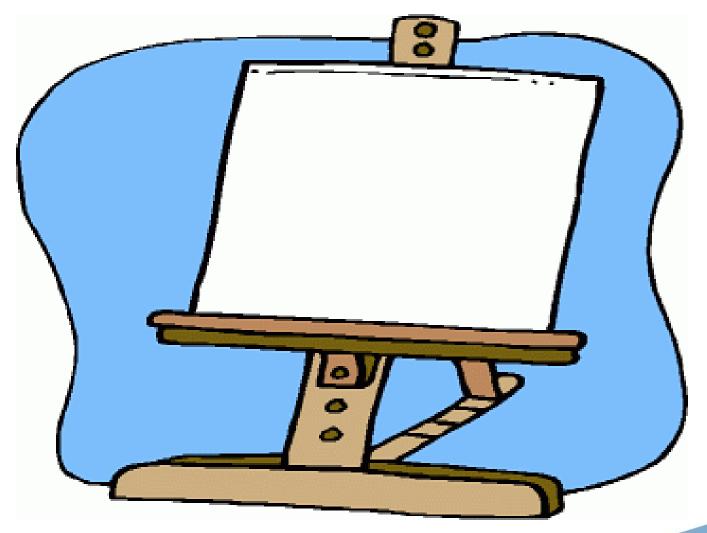




Comments

- Simple
- Easy to read
- Alphabetized
- Listed specific portions
- More comprehensive list
- Too much information
- Contained foods that are not common to the majority
- One sheet double sided requested







Potassium Guidelines



Potassium is a mineral needed for nerves and muscles. With reduced kidney function, your kidneys are not able to remove extra potassium from your body.

A high potassium level can cause your heart to stop.

Fruit	Vegetables		
3 servings/day	3 to 4 servings/day		
Low Potassium			
Apple - 1 small or ½ cup applesauce	Asparagus - 6		
Apricot - 2 fruit	Bean sprouts - ½ cup		
Berries: 1/2 cup blackberries, blueberries,	Beet - 1 small, canned or fresh, boiled		
cranberries, raspberries, strawberries	Broccoli, fresh or frozen boiled - 1/2 cup		
Canned fruit: 1/2 cup apricots, fruit salad,	Cabbage - ½ cup		
mandarin, peaches, pears, pineapple	Carrot - 1/2 large or 8 baby carrots		
Cherry, sweet -10	Cauliflower - ½ cup		
Clementine, mandarin, tangerine - 1 fruit	Celery - 1 medium stalk		
Coconut, raw - 1/2 cup	Corn - 1 ear or ½ cup		
Date or fig - 1	Cucumber - ½ cup		
*Grapefruit (½)	Eggplant, cooked - 1 cup		
Grapes - 20	Green and yellow string beans – 1 cup		
Lemon or Lime – 1 fruit	Kale - ½ cup		
Mango - 1/2	Lettuce, all types - 1 cup		
Passion fruit - 2	Mushroom: white or shiitake - 1/2 cup		
Peach - 1	Okra, fresh boiled - 1/2 cup		
Pear - 1	Onion, fresh or boiled - ½ cup		
Pear, Asian - ½	Peas, green - ½ cup (canned or frozen, boiled)		
Pineapple - ½ cup	Peppers - ½ cup		
Plum - 1	**Potato - double boiled - ½ cup		
Pomegranate - ½	Radish - ½ cup		
Prune - (3) dried	Snow peas - 10 pods raw or ½ cup boiled		
Raisin, seedless - 2 Tbsp	Spinach, raw - 1 cup		
Rhubarb (cooked) - ½ cup	Squash, butternut (frozen, boiled) - ½ cup		
Watermelon - 1 cup diced	Squash, spaghetti - ½ cup		
rate metern reap atood	Tomato - ½ small or 4 cherry or 2 Tbsp sauce		
Note: Starfruit (Carambola)	Turnip, boiled - ½ cup		
not recommended in kidney disease	Zucchini, raw - ½ cup		
*Grapefruit: Potential drug interaction, speak to your health care team			
** Potato: Peel slice thin bring to a boil	discard water, add fresh water and boil again		
Fruit			
	Vegetables		
High Pot Ackee			
	Artichoke		
Avocado Banana	Beans: adzuki, baked, black, chick peas,		
Breadfruit	kidney, lentils, lima, mung, navy, pinto, soy		
Cantaloupe	Bok Choy, boiled		
Guava	Brussels sprouts		
Honeydew	Mushroom: crimini, oyster, portabello		
Jackfruit	Parsnip, boiled		
Kiwi	Peas, green – fresh or dry, boiled		
Nectarine	**Potato: baked, chips, mashed, french fries		
	Pumpkin		

Pumpkin

Rapini, cooked



Nectarine

Orange

Final Survey





Final Survey

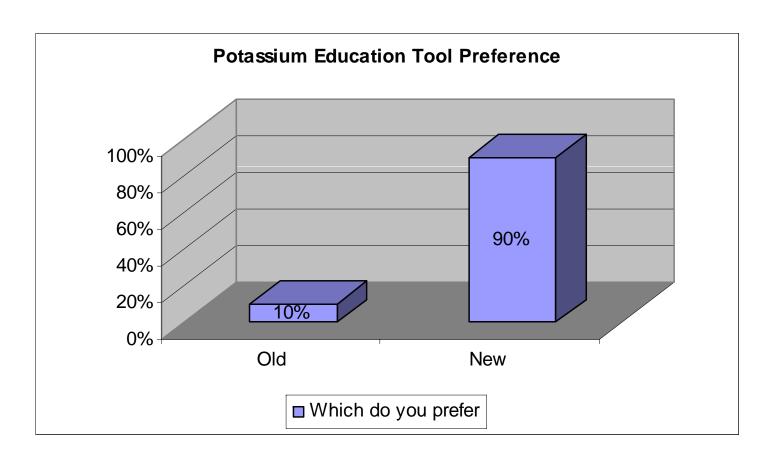
- 5. Do you feel the new potassium handout has affected your quality of life?
- 6. How has the new potassium handout affected your quality of life?
- 7. Which potassium handout do you prefer



New Potassium Education Tool Survey Results York Central Hospital April 2011 120% 100% 34% 80% Percent ■ No 60% 100% 99% 99% Yes 40% 66% 20% 0% Handout easy Easy to Information Has it useful to you affected QOL to read understand **Questions**



Survey Results-New Tool





Comments

- More choices and variety
- Less crowded
- Easy to read
- Liked that there were specific portions and quantities listed



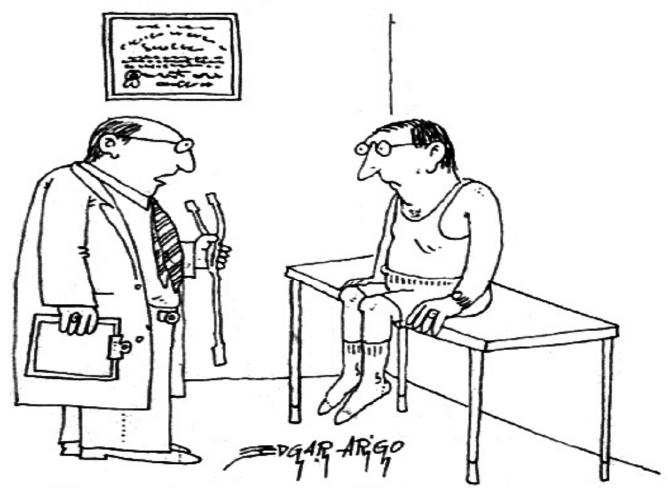
Comments

"It increased my independence in making food choices"

"To compile this list shows caring, dedication on the part of the staff.

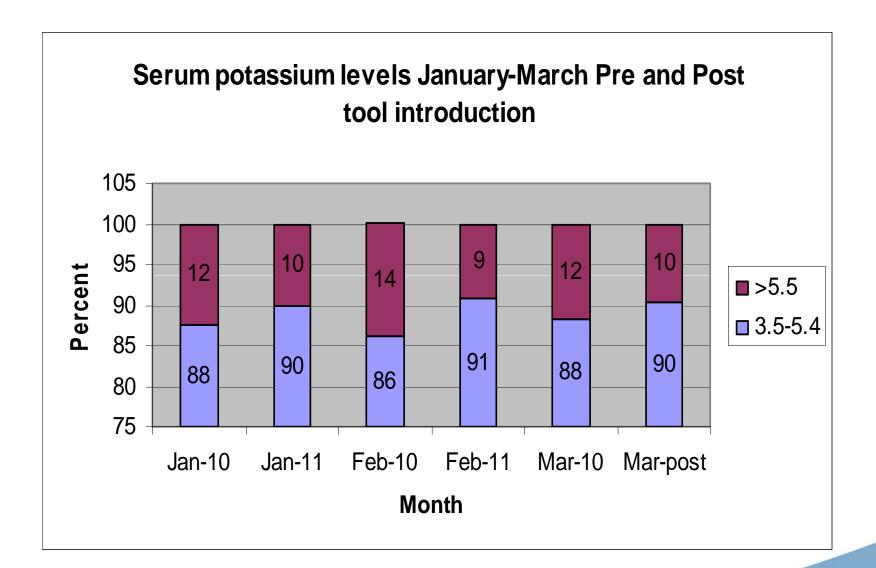
Thank You"





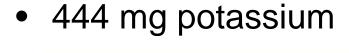
There no improvement, Henry. Are you sure you're given up everything you enjoy?

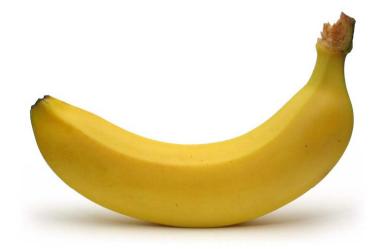


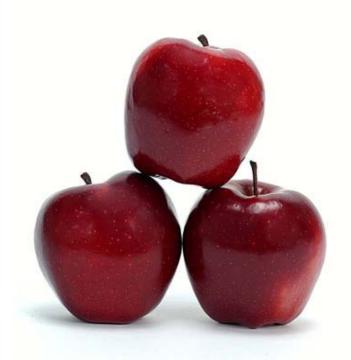




• 422mg. potassium











Where to go from here?

Journey into a self-management approach to nutrition care:

Phosphorus Olympics



