# Vegetarian Diets: Advantages for Children 

## PHYSICIANS COMMITTEE FOR RESPONSIBLE MEDICINE

 5100 WISCONSIN AVE., N. W., SUITE 404 • WASHINGTON, DC 20016 PHONE (202) 686-2210•FAX (202) 686-2216•PCRM@PCRM.ORG •WWW.PCRM.ORGEncouraging children to eat well, right from thestart, will have a positive impact on them in the future, affecting health, weight, and need for medical treatments. Unfortunately, with the mixed messages we hear from the media, obtainingaccurateinformation on nutrition can present achallenge.

In M ay 1998, the seventh edition of Dr. Spock's Baby and Child Carewas published. In it, Dr. Spock recommends a vegan diet for children. This sparked a long overduediscussion about thescientific and practical issues of optimal diets for children. In response, this document was prepared by a panel of nutritioniststo addressthreemain areas: theadvantages of vegetarian and vegan diets, the safety of vegan diets, and planning mealsfor children.

## THE ADVANTAGES OF VEGETARIAN AND VEGAN DIETS

Vegetables, grains, fruits, legumes, and nuts aretheoptimal foods for children. Rich in complex carbohydrates, protein, fiber, vitamins, and minerals, they form the foundation for dietary habits that support a lifetime of health. Research indicates that adults who consume fruits and vegetables are thosewho consumed thesefoodsduring childhood. ${ }^{1}$ Hereare some of the long-term advantages of plant-based diets:

- Theprevalence of hypertension among vegetariansis about one-third to one-half that of non-vegetarians. ${ }^{2-4}$ A study of Caucasian Seventh-day Adventists found hypertension in 22 percent of omnivores, but only 7 percent of vegetarians. Among African Americans, theprevalencewas 44 percent of omnivores and 18 percent of vegetarians. ${ }^{4}$ Adopting a vegetarian diet significantly lowers blood pressure in both normal and hypertensiveindividuals. ${ }^{5-9}$
- Cholesterol levels are much lower in vegetarians. ${ }^{10-13}$ Vegetarian diets reduce serum cholesterol levelsto a much greater degreethan is achieved with the National Cholesterol Education Program Step Two diet. ${ }^{14-17}$ In onestudy published in The Lancet ${ }^{16}$ total cholesterol in those following a vegetarian diet for 12 months decreased by 24.3 percent.
- Cancer ratesfor vegetariansare 25 to 50 percent below popuIation averages, even after controlling for smoking, body mass
index, and socioeconomic status. ${ }^{18,19}$ One study found that people who includegenerous amounts of fruits and vegetables in their daily dietshavelower rates of cancers of thelung, breast, colon, bladder, stomach, mouth, Iarynx, esophagus, pancreas, and cervix compared to people who avoid such foods. ${ }^{20}$
- Obesity is a major contributor to many serious illnesses, and is much lesscommon among vegetarians, compared to the general population. ${ }^{21,22}$ Vegetarians are, on average, about 10 percent leaner then omnivores, ${ }^{3,4,11,21-24}$
- Plant-based diets may encourage a later menarche, which has been shown to be associated with reduced risk of breast cancer in epidemiologic studies. ${ }^{25,26}$
- Fruits and vegetables contain antioxidant substances, such as vitamin C, vitamin E, and carotenoids, which protect cells against oxidative damage, which is related to cancer risk and other health problems. ${ }^{27}$ The multitude of phytochemicals found in various fruits, vegetables, grains, legumes, and nuts are thought to protect against heart disease and cancer. ${ }^{28}$


## SAFETY OF VEGAN DIETS

Given theseadvantages, does evidenceshow that vegan diets adequately meet the nutritional needs of children? The answer is clearly yes. According to the American Dietetic Association's position paper on vegetarian diets, ${ }^{29}$ "Appropriately planned vegan and lacto-ovo-vegetarian diets satisfy nutrient needs of infants, children, and adolescents and promote normal growth."

In one study, pediatric developmental tests in vegetarian children indicated mental age advanced over a year beyond chronological age, and mean IQ was well aboveaverage(with an average of 116 points), providing reassurance that brain development is normal. ${ }^{30}$ Questions about the adequacy of plant-based diets were raised by Dagnelie ${ }^{31}$ and D wyer ${ }^{32}$ who observed poor growth in children following a strict macrobiotic diet. The feeding practices of macrobiotic families can vary greatly from those of vegan families. Some very strict macrobiotic diets may lack adequatecalories dueto fat restrictions, and thesediets havebeen modified morerecently to permit the inclusion of somewhat more fat, such as is found in seeds and nuts. ${ }^{33}$

M ost parents find it easy to plan a vegan diet that is adequatein protein, calories, vitamins and minerals. Following a vegan diet hasbeen madeeasier in recent years since vegetarian products fortified with calcium, vitamin $D$, and vitamin $B_{12}$ are availablein most food stores. For example, fortified Tropicanabrand orangejuicecontains 350 milligrams of calcium per eightounce serving, with a 36 to 38 percent absorption fraction according to the manufacturer, compared with a 32 percent absorption ratefrom cow's milk. ${ }^{34}$ O rangejuiceal so supplies good amounts of folic acid, vitamin C, and phytochemicals, with no fat or cholesterol. Vegetarian hot dogs, burgers, fortified soy and ricemilks, vegetarian deli slices, and other meat analogsare also readily available.

Calorie, protein, and all other nutrient needscan beeasily met by a vegan diet, supplemented with vitamin $B_{12}$.

- Calcium - Some of thebest vegan sources arefortified soy or ricemilk, fortified cranberry, orange, or applejuice, collard greens, mustard greens, turnip greens, kale, broccoli, blackstrap molasses, tofu processed with calcium sulfate, and tempeh. Calcium absorption from these foods has been shown to be excellent. ${ }^{34}$
- Vitamin D-Vitamin D is normally produced within the body after sunlight exposure to theskin. If children do not get regular sun exposure or livein northern areas, fortified foods and supplements(such as any common multivitamin) areavailable.
- Protein-A diet drawn from varied plant sources easily satisfies protein requirements, providing all essential amino acids, even without intentional combining or "protein complementing" as long as calorie intake is also adequate. Good protein sources includecooked beans, tofu, soy yogurt, tempeh, seitan, nuts, seeds, and wholegrains.
- Calories-Concern has been expressed that the increased bulk provided by certain foods in the vegan diet will cause a child to feel full beforehehasconsumed enough calories. Includingsomerefined grained products and peeled, cooked vegetables can reduce the bulkiness of meals. Nuts and seed butters, avocados, dried fruits, and added fats (e.g., vegetableoils) can provideadditional concentrated calories without bulk.
- Vitamin $\mathbf{B}_{12}$ - Produced by microorganisms in the small intestines of humans and animals, vitamin $B_{12}$ made by humansis not well absorbed and retained. Plant foods contain little of this nutrient. However, it can beeasily obtained from vitamin $B_{12}$ fortified breakfast cereals (Kellogg's Corn Flakes, Grape-Nuts, Total, Product 19), fortified soymilk, nutritional yeast (Red Star Vegetarian Support Formula), $\mathrm{B}_{12}$ fortified meat analogs, or any common multivitamin. When reading labels, look for the words "cyanocobalamin" or "cobalamin" in the ingredient list. Thesearethemost absorbableforms of vitamin $B_{12}$.
- Iron-Dietsconsisting of vegetables, fruits, grains, legumes, and nuts provide adequateiron. ${ }^{35-40}$ Consuming foods rich in vitamin $C$, such as orangejuice, with iron-rich foods enhances the absorption of iron. Somefoods are naturally rich in both iron and vitamin C, such as broccoli, Swiss chard, and other dark green leafy vegetables. Other good iron sources include iron-fortified cereals, enriched bread, pasta, rice, soybeans,
chickpeas, and blackstrap molasses. Dairy products are extremely low in iron and may interfere with iron balance, especially in very small children.
- Zinc-Good sources includelegumes, nuts, and zinc fortified breakfast cereals (Bran Flakes, granola, Grape-N uts, Special K).

Practical information on meal-planningisprovided in an addendum to this report suitablefor distribution to interested parents.

## References

1. Krebs-Smith SM, Cook DA, Subar AF, Cleveland L, Friday J, Kahle LL. Fruit and vegetable intakes of children and adolescents in the United States. Arch Pediatr Adolesc Med 1996;150:81-6.
2. Ophir O, Peer G, Gilad J, Blum M, Aviram A. Low blood pressure in vegetarians: the possible role of potassium. Am J Clin Nutr 1983;37:755-62.
3. Melby CL, Hyner GC, Zoog B. blood pressure in vegetarians and non-vegetarians: a cross-sectional analysis. Nutr Res 1985;5:1077-82.
4. Melby CL, Goldflies DG, Hyner GC, Lyle RM. Relation between vegetarian/nonvegetarian diets and blood pressure in black and white adults. Am J Publ Health 1989;79:1283-8.
5. Rouse IL, Armstrong BK, Beilin LJ, Vandongen R. Blood-pressurelowering effect of a vegetarian diet: controlled trial in normotensive subjects. Lancet 1983;1:5-10.
6. Rouse IL, Belin LJ, M ahoney DP, et al. Nutrient intake, blood pressure, serum and urinary prostaglandins and serum thromboxane $B_{2}$ in a controlled trial with a lacto-ovo-vegetarian diet. J Hypertension 1986;4:241-50.
7. Margetts BM, Beilin LJ, Armstrong BK, Vandongen R. A randomized controlled trial of a vegetarian diet in the treatment of mild hypertension. Clin Exp Pharmacol Physiol 1985:12:263-6.
8. M argetts BM, Beilin LJ, Vandongen R, Armstrong BK. Vegetarian diet in mild hypertension: a randomised controlled trial. Br Med J 1986;293:1468-71.
9. Lindahl O, Lindwall L, Spangberg A, Stenram A, Ockerman PA. A vegan regimen with reduced medication in the treatment of hypertension. Br J Nutr 1984;52:11-20.
10. West RO, Hayes OB. Diet and serum cholesterol levels: a comparison between vegetarians and nonvegetarians in a Seventh-day Adventist group. Am J Clin Nutr 1968;21:853-62.
11. Sacks FM , Ornish D, Rosner B, M cLanahan S, Castelli WP, Kass EH. Plasma lipoprotein levels in vegetarians: the effect of ingestion of fats from dairy products. JAM A 1985;254:1337-41.
12. Fisher $M$, Levine $P H$, Weiner $B$, et al. The effect of vegetarian diets on plasma lipid and platelet levels. Arch Inter M ed 1986;146:1193-7.
13. Burslem J, Schonfeld G, Howald M, Weidman SW, Miller JP. Plasma apoprotein and lipoprotein lipid levels in vegetarians. M etabolism 1978;27:711-9.
14. Cooper RS, Goldberg RB, Trevisan M, et al. The selective lowering effect of vegetarianism on low density lipoproteins in a cross-over experiment. Atherosclerosis 1982;44:293-305.
15. Kestin M, Rouse IL, Correll RA, Nestel PJ. Cardiovascular disease risk factors in free-living men: Comparison of two prudent diets, one based on lacto-ovo-vegetarianism and the other allowing lean meat. Am J Clin Nutr 1989;50:280-7.
16. Ornish D, Brown SE, Scherwitz LW, et al. Can lifestyle changes reverse coronary heart disease? Lancet 1990;336:129-133.
17. Hunninghake DB, Stein EA, Dujovne CA, et al. The efficacy of intensive dietary therapy alone or combined with lovastatin in out patients with hypercholesterolemia. New Engl J M ed 1993;328:1213-9.
18. Chang-Claude J, Frentzel-Beyme R, Eilber U. M ortality pattern of German vegetarians after 11 years of follow-up. Epidemiology 1992;3:395-401.
19. Thorogood M, M ann J, Appleby P, McPherson K. Risk of death from
cancer and ischaemic heart disease in meat and non-meat eaters. Brit Med J 1994;308:1667-70.
20. Block G. Epidemiologic evidence regarding vitamin C and cancer. Am J Clin Nutr 1991;54:1310S-4S.
21. Pixley F, Wilson D, McPherson K, Mann J. Effect of vegetarianism on development of gallstones in women. Br M ed J 1985;291:11-2.
22. Frentzel-Beyme R, Claude J, Eilber U. M ortality among German vegetarians: first results after five years of follow-up. Nutr Cancer 1988;11:117-26.
23. Burr ML, Batese J, Fehily AM, Leger AS. Plasma cholesterol and blood pressure in vegetarians. J Human Nutr 1981;35:437-41.
24. Rouse IL, Armstrong BK, Beilin LJ, Vandongen R. Vegetarian diet, blood pressure and cardiovascular risk. Aust NZ J Med 1984;14:439-43.
25. de Ridder CM, Thijssen JHH, Vant Veer P, et al. Dietary habits, sexual maturation, and plasma hormones in pubertal girls: a longitudinal study. Am J Clin Nutr 1991;54:805-13.
26. Beaton GH, Bengoa JM. WHO monograph. 1976;62:500-19.
27. Jacob RA, Burri BJ. Oxidative damage and defense. Am J Clin Nutr 1996;63:9855-90S.
28. Craig WJ. Phytochemicals: guardians of our health. J Am Diet Assoc 1997;97:S199-S204.
29. M essina VK, Burke KI. Position of the American Dietetic Association: vegetarian diets. J Am Diet Assoc 1997;97:1317-1321.
30. Dwyer JT, Miller LG, Arduino NL, et al. Mental age and I.Q. of predominately vegetarian children. J Am Dietetic Assoc 1980;76:142-7.
31. Dagneli PC, van Staveren WA, Vergote FJVRA, et al. Nutritional status of infants aged 4 to 18 months on macrobiotic diets and matched omnivorous control infants: a population-based mixed-longitudinal study. II. Growth and psychomotor development. Eur J Clin Nutr 1989;43:325-38.
32. Dwyer JF, Andrew EM, Berkey C, Valadian I, Reed RB. Growth in "new" vegetarian preschool children using the Jenss-Bayley curve fitting technique. Am J Clin Nutr 1983;37:815-27.
33. Kushi M, Kushi A. Macrobiotic Child Care and Family Health. Tokyo, Japan: Japan Publications; 1986.
34. Weaver CM, Plawecki KL. Dietary calcium: adequacy of a vegetarian diet. Am J Clin Nutr 1994;59(suppl):1238S-41S.
35. M unoz JM . Fiber and diabetes. Diabetes Care 1984;7:297-300.
36. Crane M G, Sample CJ. Regression of diabetic neuropathy on total vegetarian (vegan) diet. J Nutr Med 1995, in press.
37. Roy MS, Stables G, Collier B, Roy A, Bou E. Nutritional factors in diabetics with and without retinopathy. Am J Clin Nutr 1989; 50:728-30.
38. Schirmer BD, Dix J. Cost effectiveness of laparoscopic cholecystectomy. J Laparoendoscopic Surg 1992;2:145-50.
39. M cIntyre RC, Zoeter M A, Weil KC, Cohen M M. A comparison of outcome and cost of open vs. Iaparoscopic cholecystectomy. J Laparoscopic Surg 1992;2:143-50.
40. Pixley F, Wilson D, McPherson K, Mann J. Effect of vegetarianism on development of gallstones in women. Br M ed J 1985;291:11-2.

## TIPSFOR PARENTS

Vegan diets are safe and offer health advantages, but how does thistranslateinto practical guidelinesfor parents? Here are some tips for dealing with common situations.

## School Lunches / Snacks

It would truly bea challengeto find a classroom where every student eatsthe same foods. Lactose intolerance, food allergies, ethnic preferences, and religious or dietary restrictions all influencefood choices. Theclassroom can providean opportunity to introduce students and teachers to healthy foods. Fresh fruit, veggies cut into fun shapes served with bean dip, muffins, and crackers spread with nut butter and fruit, are all healthy, delicious snacks.

Be sure to discuss food issues with your child's teacher. Find out if theteacher has any classroom rules regardingfoods. For example, some teachers may not allow candy or other sweets to be eaten in the classroom-a sign of helpful nutritional interest and concern. Discuss the reasons that your child follows a vegan diet and provide the teacher with nutrition information. Airing these issues ahead of timehelps head off problems by familiarizing theteacher with vegan diets. Donating books or cookbooksto theschool library ishel pful. It'salso useful to link up with like-minded parents for mutual support.

The variety of vegetables, legumes, grains, and fruits available can make for interesting school lunch fare. For parents
concerned that their child's meal will be "different," try meat analogs, soy cheese, or soy yogurt. Leftovers areanother quick and easy lunchtimealternative. Experiment with thesesuggestions:

- Sandwiches-Try hummus or another bean spread with sliced tomatoes, cucumbers, and shredded carrots in pita bread. M any whole foods stores and some grocery stores sell vegan deli slices that look and taste like bologna, Canadian bacon, roast beef, and turkey. Serve on whole grain bread with soy cheese, mustard, lettuce, and tomato. Peanut butter is an old standby. For variety, try other nut butters, such as cashew, almond, or hazelnut, with sliced banana or peaches on whole wheat bread. Cutting sandwiches into novel shapes is fun for kids.
- H ot meals-Fill a wide-mouth thermos with just-made or leftover pasta and tomato sauce, hearty bean soup, veggie chili, or stew. Or make your own vegetarian version of "franks \& beans" using vegetarian hot dogs and vegetarian baked beans. - Soups-Warm your child with homemade vegetableor bean soups. If you areshort on time, try a low-sodium instant soup. Just stir hot water into the soup mix and pour into athermos. Round off the meal with some crackers, crunchy baby carrots, and soy or ricemilk.
- Sidedishes-Choose a couple of thefollowing suggestions to complete your child's meal: individual boxes of soy or rice milk, soy yogurt, chopped vegetablesand dip, wholegrain breads or crackers, homemade muffins, rice cakes, pretzels, or fresh fruit. Although the United States Department of Agriculture still mandates that cow's milk be served with school lunches,
many schools will all ow juiceto be substituted, if you present a physician's note.


## Birthday Parties

Whether thecelebration occurs at school or at home, your child needn't feel like an outsider. If the celebration isfor another child, offer to bring a dish or dessert to the party. Some popular foods arelisted below:

- Hot dogs- Vegan versions of the traditional meat hot dogs arewidely available. Try someof thefollowing brands: Lightlife Smart Dogsor Tofu Pups, Yves VeggieWeinersor Tofu Weiners. Sauerkraut, relish, ketchup, and mustard go well with any of these.
- Hamburgers- $M$ any types of vegan burgers areavailablein grocery stores or whole foods stores. Try some of the following brands: Boca Burgers, Garden Vegan, or H arvest Burgers. Allow children to add their own toppings- ketchup, mustard, pickles, onions, lettuce, tomato, or relish.
- Pizza-Spread tomato sauce on plain bagels or English muffins and have children top them with a variety of fresh vegetables, such aschopped onions, mushrooms, peppers, broccoli, or olives. Add a sprinkle of soy cheesefor moreflavor. If you havetime, makeor purchasepizza dough and cut the dough into a variety of shapes. H ave the kids add the toppings and bake.
- Dessert-Try fruit smoothies usingsoy or ricemilk and frozen fruit. Watermelon slices always go over well with kids. Or prepare a fruit salad, cutting the fruit into a variety of shapes.

If you aremaking a cakeor cupcakes, try someof thefollowing suggestions for replacing eggs and/or dairy in therecipe:

- To replace eggs in baked goods, substitute 2 tablespoons of cornstarch, 1 ounce ( 2 tablespoons) soft tofu, $1 / 3$ cup applesauce, or $1 / 3$ cup pumpkin for each egg. Half of a small mashed banana can also replace each egg- and tastes great in pancakes or muffins. Commercially prepared substitutes such as Ener-G Egg Replacer (a mixture of potato starch, flour, and leavening) can also beused per packageinstructions.
- Replacemilk with soymilk or ricemilk, cup for cup, in any recipe. For buttermilk, substituteeach cup with 1 cup of soymilk or ricemilk plus1 tablespoon of vinegar. For yogurt in recipes, replaceeach cup with $3 / 4$ cup soymilk or rice milk plus 1 tablespoon of vinegar.


## How to Feed a Picky Toddler

Whether omnivoreor vegetarian, toddlerswill takea stand on what they will or will not eat. There is no obvious rhyme or reason to this, and it can make providing a nutritious, balanced meal a real challenge. Thesetips may help.

- Involve your child in meal preparation. Let your toddler mash a banana or add some dried raisinsto a recipe. Explain what you are preparing, and if you can be flexible about the ingredients, let thetoddler choose.
- Children learn by example. Eat the same vegetarian foods as you serve your child. They are healthy for both adults and
children.
- If a toddler refuses a food the first time it is offered, don't give up hope. Sometimes it takes several tries for a child to accept a new food. Offering a small amount of the new food with something familiar-and well-liked by the child-may help. Or, if a food isn't accepted in oneform, try another. For example, if a child doesn't likechunks of tofu, try making it into a dip and serve with steamed vegetable strips.
- If your child dislikes plain soy or rice milk, try variousflavors; mix with hot or cold cereal; use in pancakes or muffins; or blend with fruit to makea shake.
- Keep thedishes simpleand don't pileon thefood. A complicated unfamiliar dish that coverstheplatemay seem a bit daunting to a child. Simplefinger foods- steamed vegetables strips, crackers, or chunks of cooked tofu make eating easy and fun for achild.
- Include favorite or familiar foods in a variety of recipes. Cook rice in a mixture of fruit juice and water, or thin nut butter with some soymilk to make a pasta sauce.
- If a child refuses vegetables, try finely shredding dark green leafy vegetables or carrots and adding to tomato sauce or loaf mix. M ix vegetables with grains and wrap in a tortilla. Or, if your child likes mashed potatoes, add in somefinely shredded vegetables, such as zucchini or squash.


## Quick and Easy Meals

Parents with littletime to cook can still servenutritious, de licious vegan meals for their families, and will enjoy not having to clean messy chicken grease or risking foodborne illnessfrom undercooked animal products. Conveniencefoods availablein grocery and health food stores can make preparing meals s snap. Hereare somequick meal solutions:

- Plan for leftovers. Cooking soups, sauces, or main dishesin batches can save lots of time. Store extras in individual microwavable containers, then label and freeze or refrigerate them for later use. Grains can be cooked in quantity and used over several days. Last night's rice can be tonight's rice pudding.
- There is a huge variety of vegetarian cookbooks available with recipes for quick and easy meals. Pick up one or two at the library or bookstore and find a few easy meals to make.
- Save timeat thestore by planning your meals ahead. Pick afew recipes and use theingredient list as your shopping list.
- Try low-salt vegetarian soupsin cans or cups. Somesoups arequitethick and can even beused as sauce over pasta, potatoes, vegetables, or rice. Good brands includeFantastic Foods Hearty Soup Cups or CouscousCups, and NileSpiceCups of Soup.
- Canned vegetarian chili or refried beans can be heated and served over leftover rice. Add refried beans, tomatoes, lettuce, and sal sa to a flour tortilla. Roll and serve.
- Add sliced vegetarian hot dogs to vegetarian baked beans. - Tempeh and tofu can bepurchased premarinated and need only be baked or sautéed.
- Spread bean dip on bread or serve with raw vegetables.
- No time to chop vegetables? Try buying baby carrots;
prewashed lettuce, spinach, or other mixed greens; frozen chopped vegetables; or buy precut, cleaned vegetables from the salad bar.
- Most fruit need only be washed or peeled and is ready to eat. Try fresh apples, oranges, peaches, pears, or grapes. Fresh fruit that takes a little more work, such as fresh pineapple, mango, papaya, guava, cantaloupe, or honeydew, can be purchased pre peeled and chopped. Another easy solution is to buy frozen fruit- then mix it in ablender byitself or with alittle soy or ricemilk for adeliciousfruit smoothie: aheal thy alternative to icecream! Dried fruits areanother option requiring no morework than opening thebag.


## What to Tell Grandparents, Teachers, Friends, Babysitters.

The saying, "Grandma knows best," may not always apply when it comes to feeding your child. If her idea of a wholesome meal consists of meat, potatoes, and a boiled vegetable, it's time to have a serious talk. It's important to discuss with those who may, at some point, be involved with feeding your child. Try thesetips:

- Be specific about thefoodsyour child does not eat- meat, poultry, fish, eggs, dairy, gelatin, and meat broth. Friends and
family may beunaware of the "hidden" sources of animal products in foods. Providing them with information or a list of foods and snacks that your child eats will help to eliminate uncomfortablesituations later.
- Find common foods and dishes. Various dishes popular with omnivores and vegetarians alikearefree of animal prod-ucts- pasta with marinara sauce, peanut butter and jelly, and others.
- Share recipes with family and friends. When your child attends a birthday party, offer to make a dish or dessert and pass along therecipe.
- Giveagiftsubscription to a vegetarian publication or give a vegetarian cookbook. This will help othersunderstand more about the diet and encourage them to try out some of the recipes.
- When your child stays with a friend, send along a dish or brown bag meal that your child- and friend- can eat.


## References

M essina M , M essina V. The Dietitian's Guide to Vegetarian Diets. Aspen Publishers, Inc., 1996.
Rivero L. Healthy fast food for pre-schoolers. Vegetarian Journal Nov/ Dec, 1994.
Coughlin CM. Sharing Vegetarianism with family and friends. Vegetarian Journal May/June, 1997

