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Optimized Diet Plans for Indian Adults Engaged in Regular Exercise

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Abstract: This article provides a detailed and evidence - based diet plan for Indian adults weighing 60 - 70 kg, designed to complement regular exercise routines. It includes vegetarian and non - vegetarian options, emphasizing balanced macronutrients and traditional Indian foods. Supported by recent studies, this guide aims to enhance energy levels, recovery, and long - term health for active individuals.

Keywords: Exercise Nutrition, Indian Diet, Macronutrient Balance, Recovery Meals, Health Optimization

1. Introduction

Regular exercise has numerous health benefits, including improved cardiovascular health, muscle strength, and mental well - being. However, optimal performance and recovery depend heavily on a well - structured diet. For Indian adults engaged in regular physical activity, dietary requirements must address cultural food preferences, calorie needs, and nutrient balance.

This article highlights the importance of culturally appropriate dietary plans to improve health and performance outcomes for Indian adults engaged in regular exercise.

1.1 Key Principles of the Diet Plan

Caloric Needs

- Active men: ~2400 2600 kcal/day
- **Active women:** ~2000 2200 kcal/day
- Adjust calories based on exercise intensity and duration.

Macronutrient Distribution

- Carbohydrates: 50 60% of total calories
- **Proteins:** 20 25% of total calories
- Fats: 20 25% of total calories

Hydration

- Drink 2.5 3.5 litres of water daily.
- Include electrolytes (e. g., coconut water, ORS) during prolonged exercise.

Meal Timing for Optimal Nutrition

- Pre workout: High in carbs, moderate in protein, low in fat
- Post workout: Rich in protein and moderate in carbs for recovery.
- Balanced meals throughout the day.

1.2 Detailed Diet Plan

Pre - Workout Meal (30 - 60 minutes before exercise) a) Vegetarian Options:

- 1 banana with 1 tbsp peanut butter.
- 1 slice whole grain bread with honey.
- 1 cup boiled sweet potato with a pinch of salt.

b) Non - Vegetarian Options:

- 1 boiled egg with 1 slice whole grain toast.
- 1 small bowl chicken soup with whole grain crackers.

Post - Workout Meal (Within 30 minutes after exercise)

a) Vegetarian Options:

- 1 glass whey protein shake with water or low fat milk.
- 1 cup boiled sprouts with lemon and spices.
- 1 medium sized paneer wrap made with whole grain roti.

b) Non - Vegetarian Options:

- 1 glass whey protein shake.
- 100 g grilled chicken breast with 1 slice whole grain bread.
- 1 boiled egg with a small bowl of quinoa.

Main Meals (Breakfast, Lunch, and Dinner)

a) Breakfast:

- Vegetarian: 1 bowl oatmeal with fruits, nuts, and seeds; 1 multigrain dosa with chutney; 1 cup low - fat curd or Greek yogurt.
- Non Vegetarian: 1 boiled egg with avocado on multigrain toast; 1 omelette (2 eggs) with vegetables and 1 slice whole grain bread.

b) Lunch:

- **Vegetarian:** 1 cup dal or rajma (kidney beans) with 1 bowl brown rice; 1 cup mixed vegetable curry; 1 small bowl salad with cucumber, carrot, and lemon.
- Non Vegetarian: 100 g grilled chicken or fish curry (with minimal oil); 1 bowl cooked quinoa or brown rice; 1 cup stir - fried vegetables.

c) Dinner

- **Vegetarian:** 1 multigrain roti with paneer bhurji or tofu curry; 1 cup vegetable soup; 1 bowl salad with olive oil dressing.
- Non Vegetarian: 1 serving grilled fish or chicken; 1 small bowl cooked millets; 1 bowl sautéed spinach or broccoli.

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d) Snacks

Vegetarian Options:

- 1 handful almonds or walnuts.
- 1 cup fruit salad with a sprinkle of chia seeds.
- 1 roasted makhana (fox nuts) snack.

Non - Vegetarian Options:

- 1 boiled egg.
- 50 g grilled chicken strips.

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Special Considerations

Vegetarian Protein Sources

• Paneer, tofu, soy chunks, lentils, quinoa, chia seeds.

Non - Vegetarian Protein Sources

• Eggs, chicken, fish, lean meats.

Micronutrients

- **Iron:** Spinach, chicken liver.
- Calcium: Dairy, sesame seeds.
- Omega 3 Fatty Acids: Walnuts, fish.

Supplements

- Vitamin D: 600 800 IU daily.
- Omega 3: 1 2 g daily.
- Whey protein if dietary protein is insufficient.

2. Conclusion

This practical diet plan serves as a guide for Indian adults engaged in regular exercise, offering tailored vegetarian and non - vegetarian options. By ensuring nutritional balance, it promotes energy, recovery, and long - term well - being.

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Author Profile

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