Research paper-5 jpg

ISSN - 2277-TOST

Peer Reviewed

Journal of Fundamental & Comparative Research

Volume- IX Issue-IV (III), 2022

शोधसंहित

Lgoogle.com/mail/u/0/?tab=mm#inbox/KlbxLwgptxnPPnNqdWvgTdtCjHDPwdKbDV?projector=1&messagePartId=0.4

ABI annual Interdisciplinary Research Journal of RKSU
Geer Reviewed Journal of Fundamental of Comparative Research

Volume- IX, Issue-IV (III), 2022

ISSN 2277-7067

शोधसंहिता

Editor in Chief:

Prof. Shrinivasa Varkhedi

Hon'ble Vice Chancellor

General Editor:

Prof. Madhusudan Penna

Executive Editor:

Dr. Dinakar Marathe

Editorial Board :

Prof. Nanda Puri Prof. C.G.Vijaykumar Prof. Lalita Chandratre Prof. K. K. Pandey

Dr. Deepak Kapde (Secretary)

Published by:

Registrar, KKSU, Ramtek

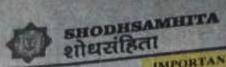


KAVIKULAGURU KALIDAS SANSKRIT UNIVERSITY RAMTEK

Journal of Kayskulaguru Kalidas Sanskrit University, Rumnek. USSN 7277-1087

- 4	Journal of Kavskulague	Milion's	Mil Mark of State of	
A		Imit Dan	Propriet	
	C NO COMPENS A BAYTEW OF CHALLEN ISS AND SCRUTIONS FOR A BAYTEW OF CHALLEN ISS AND SCRUTIONS FOR A BAYTEW OF CHALLEN ISS AND SCRUTION FOR ARTERICAL INTELLIGENCE BASED SOLUTION FOR INTELLIGENCE B	Dr. A. D. Sakhare Miss Swatt S. Kale	100	
	TOTAL ANTICAL MANAGEMENT OF THE IMPOSES	Dr. Mostha Kanetkar	18:19	
	119 A SELWIMAN CAPITAL	Dr. D. S. Wankhade Dr. Alka Kolhe Dr. Vaishall Panhekar	10 30 AC	
	THE PACING	Dr. Sangeeta Somwanshi Dr. Mrunal R. Waliokar	40-40	
	6 IMPORTANCE OF SPORTS NUTRICION FOR WOMEN ATHLETES	Dr. Sujata Sakhare Dr. Rahul Madhukarrao Roc		1
	LAND NUTBERLY	प्र हो रोहिणी वि. मेबाम	54-50	7
10	AGPURCE OF STUDENT OF PROPER DIET AND	Dr. Muktai Chavan Deb Dr. Monika Jain Dr. GaureePimpralekar	50-73	
1	EXERGISE UN SIL	Dr. Shubhangi S. Kukeka	74.	10
11	SOCIAL MEDIA USE BY ADOLESCENT PROPERTY TO SEEK NUTRITION RELATED INFORMATION IMPACT OF COVID-19 LOCK DOWN ON ADOLESCENT	S Dr. Sampada Naseri	1 100	-00-0
12	IMPACT OF COVID-19 LOCK DOWN	Dr. Sunil, S. Bhotmange	0 1	19.90
-	PARTICIA NO CA	Dr. Vibha Kshirsagar		01-02
4	LOSSENCE OF INDIAN POCE	F Dr. Sushil S Chauhan		96-101
5	STRETCHING EXERCISES EFFECT ON FLEXIBILITY OF COLLEGEGIRL STUDENTS ADOPTION, APPLICATION AND IMPACT OF ADOPTION, APPLICATION AND IMPACT OF ADOPTION, APPLICATION ON THE INDIAN	Dr. Vinod W. Dongar	war	102-109
71.	ADOPTION, APPLICATION AND INTERPRETARY ARTIFICIAL INTELLIGENCE (AI) ON THE INDIAN INDUSTRY "IMPACTS & BENEFITS OF TECHNOLOGY ON SPORT	S Dr. Ramesh Ashok Galkwad OR Vishwas Patil		110-113
	SCIENCE" ROLE OF ARTIFICIAL INTELLIGENCE (AI) IN ERP FO			114-119
	EDUCATION INSTITUTIONS WOMEN HEALTH AND CHALLENGES	Dr. Surekha Bhag	uji Bhingardiv	e 120-17
	"EFFECT OF TECHNOLOGY ON WOMEN INVESTOR	S Dunal Harishank Dr.Prafulla W. Si	ar Bagde udame	123-1
	"CHOLOGY" MEN'S HEALTH AND THE RISE OF DOMESTIC Ishita Mahajan		127	

://mail.google.com/mail/u/0/?tab=mm#inbox/KtbxLwgptxnPPnNqdWvgTdtCjHDPwdKbDV?projector=1&messagePartId=0.7



IMPORTANCE OF SPORTS NUTRITION

Dr. Mrunal R. Wallokar Head, dept. of Horne-Economics, Kamla Nehru MV. Nagpur

Nutrition is the science of food and its interaction with an organism to promote and maintain Nutrition is the science of 1000 and its intelliges food for energy, growth and maintenance of b deals with those processes by which body united for various functions in the body. Today they includes everything that happens to food, is used for various functions in the body. Today they includes everything that happens to lood, is the same that the coupling exercise and prope of present chronic diseases and also to maintain healthy lifestyle.

Key Words- Sports, Nutrition, Food,

The interest in physical fitness is very high in all the age groups of populations around the world a The interest in physical fitness is very night in all the age of it can be to participate in athletics and keep fit healthy and thus improve the quality of life or it can be to participate in athletics and keep fit healthy and thus improve the quality of life or it can be to participate in athletics and keep fit healthy and thus improve the quality of life or it can be to participate in athletics and keep fit healthy and thus improve the quality of life or it can be to participate in athletics and keep fit healthy and thus improve the quality of life or it can be to participate in athletics and keep fit healthy and thus improve the quality of life or it can be to participate in athletics. competitions. The aim of sports is to improve one's physical social and ethical standards. The base must guide all athletes and sportsman.

Our body compositions, muscular ability, respiratory and cardiovascular capabilities are very closely nutrition and exercise. Sports nutrition is a discipline which applies principles derived not only from but also biochemical physical& scientific knowledge for the purpose to promote optimal performance. depends upon the food & nutrients taken by the athlete.

From the time when ancient Greeks and Romans started the olympic games, the athletes had the routine for great performance which includes diet and nutrition. Today the view of sports nutrition changed and developed. Research shows that the coupling exercise and proper diet helps to press diseases and also to maintain healthy lifestyle.

In 2008 US News reported that 65% of Americans exercised regularly by working out, playing sport physical activities, thus the importance of proper nutrition is of great interest to athletes and exoptimal performance and longterm benefits. (Handbook of Sports Nutrition, by sprots publication).

Food is the basic necessity of life. It is intimately woven into the physical, economic, psychological and social life of man. It is a part of his culture and is filled with many different meanings and sy all individuals at various ages and stages of their maturity. Agricultural products such as cereals and segetables, milk, eggs are foods. Food, Nutrition and Health are intimately connected aspects

Valume-IX, Issue-IV (III), 2022



y be a OASIBE

Incin

ition

Mr.

remie

for

हम**ाम्हर्मा** शोधसंहिता

ISSN 2277-7067 UGC CARE Group 1

Nutrition is the science of food and its interaction with an organism to promote and maintain health, which deals with those processes by which body utilizes food for energy, growth and maintenance of health. Nutrition includes everything that happens to food, is used for various functions in the body.

Numerits are chemical components of food that are needed by the body in adequate amount in order to grow reproduce and lead a normal healthy life. It includes water, proteins, fats, carbohydrates, minerals and vitamins, Each nutrient class has its own function.

To enhance the performance of a player sports nutrition plays a vital role which improves body composition& July 1840 to increase speed quickness, mobility& strength. It also help the speed recovery, it allows to increase energy for both competitions and practice. Although sports nutrition basics are similar for all athletes, important differences exist for individual athletes in various sports, eg- nutritional needs of a gymnast would be different from a longdistance runner and the need of a tennis player would be different from weight-lifter or judo player. Various factors are affected on athlete's nutrition such as energy weight, height, age sex and metabolic rate etc. Emotional &physical stress of training and competitions, heetic travel schedules affectsdictary intake, adequate caloric and essential nutrient intake must be planned carefully to meet requirements for training and fitness.

Sports Authority of India, National Institute of Nutrition and Indian Life Science Institute, recommended nutritional and hydration requirement during training and competing for Indian sports person. Which helps to fulfill sport person's nutritional needs. Essential to the diet are carbohydrates, fats, proteins, vitamins, minerals and water.

Carbohydrates-Carbohydrate is the major nutrient for energy support in exercise , carbohydrate should contribute about 55to60 percent or more of the daily caloric intake. Carbohydrates offer most fuel nutritional value and satisfy. Fruits & vegetables are good sources of carbohydrates for an athletes diet. The body can only store limited amounts of carbohydrates training increases the ability to store and spare carbohydrate. Sportsman should increase slowlya intake of carbohydrate in the week before the event.

Protein- Next to water level of protein is most abundant compound of the body. There are thousands of different specific proteins in the body each having a unique structure and functions proteins are the main solid matter in the muscles. It is an essential part of every cell protein requirement of athletes particularly those engaged in strength and power events .

The type of sport and total calorie intakes influence protein requirement. To fulfill their protein needs athletes should eat sufficient foods. Adequate exercise does increase needs of athletes, Increase muscle mass can only be achieved by long term training without training program extra dietary protein is converted to storage fat. The protein is used to maintain metabolism & some is used to repair the tissue.

Volume-IX, Issue-IV (III), 2022

Page | 37

Protein deficiency can cause many problems such as early and extreme fatigue, poor Protein deficiency can cause many proteins such as meat eggs. Which has all essential amino acids important to get complete proteins such as meat eggs. Which has all essential amino acids important to get complete proteins and acid variety of physiological functions that are very essential to health and physical performance

Food source of protein- The foods which are richest in essential amino acids are good source. Food source of protein. The foods which have amount of the essential amino acids, the same animal protein milk etc. Plant protein contains some amount of the essential amino acids, the same animal protein milk etc. Plant protein contains some amount of the essential amino acids, the same animal protein milk etc. Plant protein contains some amount of the essential amino acids, the same animal protein milk etc. protein needs with plant protein one should required wide range of vegetables. Common source w protein needs with plant protein the store and protein requirement is estimated on body weight be cereal, cheese, eggs, fish, meat, liver, milk protein requirement is estimated on body weight be for greater protein intake with increase in muscle mass.

Vitamias-Vitamins are one of the six classes of nutrients. They are required for normal maintenance of all. Vitamins are very important for their regulatory and protective functions. It does maintenance of all. Vitamins are very importances which occupances but are very essential in metabolic reactions. Vitamins are organic substances which occupances of all. amount in food.

Several micro nutrients are important in exercise and sport, including folate, vit.B, Athletes involtraining may need more nutrients, such as thiamin, riboflavin and pyridoxine, because they import production. Antioxidants, vit A, vit. D, vit. E, vit. C and phytonutrients are very important.

A deficiency of vitamins can lead to serious illness, chronic disease, even death. The misrequirements of vitamins are small and can be easily met through a varied diet.

Sources of Vitamins- Green leafy vegetables, red & orange fruits and vegetables, fish Milk eggs en

Minerals-Minerals are inorganic compounds found in trace amount in the body and also very bodily function. Calcium, Magnesium, phosphorus, potassium, sodium, iron and iodine are a few important required minerals. Most of the minerals are found naturally in a larger variety of foods. milk is rich in ealcium, most animal protein foods are good sources of phosphorus. Common salt a sodium. Iron is an important mineral in diet of both male & female athletes. As an essential or hemoglobin, iron deficiency can occur with or without anemia.

Calcium is the most important mineral found in the body. It is needed for developing the bones and rigidity, about 90% of calcium is stored in the bones. In additional structural function it plays imp blood clotting muscle tone, contraction and irritability, normal heart activity and activation of sev enzymes. Phosphorus combines with calcium in bones and teeth. It plays very important a metabolism of the cells, Magnesium is essential for human metabolism and is important for a electrical potential in nerves and muscle cells. Sodium plays a vital role in regulating lodin synthesize hormones of thyroid glands. Coper deficiency is associated with the failure to formation of hemoglobin. Zinc is also important in forming enzymes.

Sources for minerals included milk, green leafy vegetables, citrus fruits

Volume- IX, Issue-IV (III), 2022

plays very important rolean a fuel for exercise and sports. It is important for maintenance of cellular maintraines, skin harmones and transport of fat soluble vitamins. Total fat intake of more than 20-30 percent is not required in most of athletes. Various kinds of raw materials are being provided by fatty acids which help in controlling blood pressure, blood clotting and various body functions. It is recommended by the experts that upto the ten percent of the total calories that is being consumed daily should constitute saturated fat.

Result-Proper nutrition for a sportsman is very important to maintain weight by increasing muscles and to decrease fat. Athletes must used high protein diet complex carbohydrates and other micro nutrients. He also need to avoid junk food. Athletes should eat foods that have the most nutritional benefit for the amount of calories.

References-

Nutrition & Dietetics with Indian case studies by shubhangini A Joshi, The Mc Graw Hill Companies Higher Education.

Dietetles, New Age International Publication, by Shrilakshmi

fundamentals of Foods Nutrition & Diet Therapy by sumati R. Mudambi, M. V. Rajagopal

Foods facts & principles by N. Shakuntala Manay, M Shadaksharaswamy, New age International Publishers.

Food Nutrition & Health by Dr. Shshi Goyal Pooja Gupta, S. Chand & Company Ltd.

Diet Nutrition & Health by Madhu Garg ABD publishers

Handbook of Sports Nutrition by Dr. Tahir P. Hussain, Sports Publication, New Delhi.

Textbook Nutrition A lifecycle Approach Edited by Ravindra Chanda , Pulkit Mathur, Orient Black Swar Chandhaand Mathur.

Volume-IX, Issue-IV (III), 2022

Page 13