

PROGRESS IN NUTRITION

Journal of Nutrition and Internal Medicine

Indexed in Science Citation Index Expanded (SciSearch®); Journal Citation Reports/Science Edition; Excerpta Medica/Embase, ISI Web of Science, Scopus (Elsevier) and Bibliovigilance. Impact Factor: 0,265

MATTIOLI 1885



PROGRESS IN NUTRITION

JOURNAL OF NUTRITIONAL AND INTERNAL MEDICINE

Official Journal of the Italian Society of Nutritional Science (SISA)
With the support of Nutrition and Food Research Association (ARNA)

FOUNDING EDITOR

Massimo Cocchi
Scottish Agricultural College, Edinburgh

EDITOR IN CHIEF

Leone Arsenio
Azienda Ospedaliera Universitaria di Parma

DEPUTY EDITOR

Federico Cioni

EDITORIAL BOARD

PRESIDENT

Andrea Strata
University of Parma

M. AbuKhader

Oman Medical College, Muscat, Oman

F. Arfini

University of Parma

A. Aslan

Firat University, Elazig, Turkey

D. Atkinson

Scottish Agricultural College, Edinburgh

G. Ballarini

University of Parma

S. Bernasconi

University of Parma

R. Berni Canani

University of Napoli

G. Bertoni

University of Piacenza

S.E. Carlson

Kansas City University

E.L. Cavalieri

University of Nebraska

F. Di Lisa

University of Padova

G. Fatati

University of Terni

N.G. Frega

University of Ancona

C. Galli

University of Milano

C. Giacomini

University of Parma

M. Gualerzi

Terme di Salsomaggiore e Tabiano, Parma

G.M. Halpern

Hong Kong Polytechnic University

E.L. Iorio

Osservatorio Internazionale dello

Stress Ossidativo, Salerno

O. Isik

Balikesir University, Turkey

T. Leighton

Berkeley University

C. Maioli

University of Milano

M.C. Mancini

University of Parma

R. Marchelli

University of Parma

P. Migliaccio

University Sapienza of Roma

A.L. Mordenti

University of Bologna

K. Mullis

Premio Nobel per la Chimica 1993

S.M. Nabavi

*Baqiyatallah University of Medical Sciences,
Tehran, Iran*

F. Nicastro

University of Bari

R.C. Noble

Scottish Agricultural College of Edinburgh

B. Palmieri

University of Modena e Reggio Emilia

G. Palmieri

*Azienda Ospedaliera Ospedale Niguarda
Ca' Granda, Milano*

M. Renna

*CNR- Istituto di Scienze delle Produzioni
Alimentari, Bari*

G. Riccardi

University of Napoli

C.M. Rotella

University of Firenze



MATTIOLI 1885

srl- Strada di Lodesana 649/sx
Loc. Vaio - 43036 Fidenza (Parma)
tel +39 0524 530383
fax +39 0524 82537
www.mattiolihealth.com
E-mail: redazione@mattioli1885.com

EDITORIAL OFFICE
Valeria Ceci
E-mail: valeriaceci@mattioli1885.com



Mattioli 1885

srl- Strada di Lodesana 649/sx
Loc. Vaio - 43036 Fidenza (Parma)
tel 0524/530383
fax 0524/82537
www.mattioli1885.com

DIREZIONE GENERALE
Direttore Generale
Paolo Cioni
Vice Presidente e Direttore Scientifico
Federico Cioni

DIREZIONE EDITORIALE
Editing Manager
Anna Scotti
Editing
Valeria Ceci
Eugenio Nadotti
Foreign Rights
Nausicaa Cerioli

MARKETING E PUBBLICITÀ
Responsabile Area ECM
Simone Agnello
Project Manager
Natalie Cerioli
Massimo Radaelli
Responsabile Distribuzione
Massimiliano Franzoni

PROGRESS IN NUTRITION
Registrazione Tribunale di Parma
N. 4 del 21/1/1999

Spedizione in abbonamento postale
Abbonamento annuale euro 57

I dati sono stati trattati elettronicamente e utilizzati dall'editore Mattioli 1885 spa per la spedizione della presente pubblicazione e di altro materiale medico scientifico. Ai sensi dell'Art. 13 L. 675/96 è possibile in qualsiasi momento e gratuitamente consultare, modificare e cancellare i dati o semplicemente opporsi all'utilizzo scrivendo a: Mattioli 1885 srl - Casa Editrice, Strada della Lodesana 249/sx, Loc. Vaio, 43036 Fidenza (PR) o a direct@mattioli1885.com

Progress in Nutrition is indexed by: Science Citation Index Expanded (SciSearch®); Journal Citation Reports/ Science Edition; Excerpta Medica/Embase, ISI Web of Science. Scopus (Elsevier), Bibliovigilance

Impact Factor (released in June 2018): 0.265

INDEX

Volume 22 / n. 1

March 2020

- Reviews**
- 7 Linoleic acid: have we understood how it works in psychopathologies and Ischemic Cardiovascular Diseases?
Massimo Cocchi, Elisabetta Mondo, Chara Minuto, Giovanni Lercker
- 12 Potential therapeutic effects of alpha lipoic acid in memory disorders
Leonardo Triggiani
- 20 The Mediterranean diet could be an exceptional support for patients with chronic renal disease
Francesco Cacciabauda, Roberta Altomare, Vincenzo Davide Palumbo, Giuseppe Damiano, Salvatore Fazzotta, Leonardo Gulotta, Giulia Lo Monte, Francesco Maltese, Attilio Ignazio Lo Monte
- Original Articles**
- 25 Impact of food behavior on children's health. A case study
Laurentiu Gabriel Talaghir, Octavian Barna, Cristian Serea, Iuliana Petronela Barna, Elena Ariela Banu
- 30 Strong association between malnutrition, inflammation, and depression in elderly patients. A new novel geriatric complex based on malnutrition; MID complex?
İbrahim Halil Turkbeyler, Zeynel Abidin Öztürk, Zeynel Abidin Sayiner, Mehmet Gol, Eyüp Murat Efendioglu, Seyma Sahinbeyoglu
- 36 Evaluation of orientation and efficiency of schoolchildren nutrition in recreational period
Leonid Podrigalo, Olga Rovnaya, Tetiana Yermakova, Mirosława Cieślicka, Radosław Muszkieta
- 48 Standardizing the recipes mainly used in the menus of commercially operating institutional food services: their nutritional values and cost analysis
Ayhan Dağ, Türkan Kutluay Merdol
- 58 The Effects of media tools on food consumption and obesity in adolescents
Fatma Kartal, Neslişah Rakıcioğlu
- 68 Assessment of microbiological quality of ready-to-eat foods in institutions providing mass feeding
Ayhan Dağ

-
- 75 Does Mediterranean diet correlate with cognitive performance among elderly? A cross-sectional study from Cyprus
Nezire Ince, Pınar Gelener, Halit Tanju Besler
- 84 Teachers' self-efficacy is related to their nutrition teaching methods
Nurhan Unusan, Hatice Yalcin
- 90 Nutritional habits of people with type two diabetes mellitus
Jelena Bjelanovic, Teodora Petric, Tatjana Pavlica, Rada Rakic, Natasa Dragic, Sanja Bijelovic, Artur Bjelica
- 96 Evaluation of nutritional status in patients with end-stage renal disease in hemodialysis using principal component analysis
Erika Saenz Pardo Reyes, Fatima Ezzabra Housni, Antonio López-Espinoza, Alma Gabriela Martinez Moreno, Maria del Rocio Padilla Galindo
- 106 Determination of difference between freshman and senior-level of psychology students in terms of the eating attitudes and psychological symptoms
Saban Karayagiz
- 112 The relationship between university students' quality of life and nutrition
İbrahim Dalbudak, Şihmehtmet Yiğit, Taner Yılmaz
- 122 Effects of rewards and pedometer-feedback on children's physical activity: a school-based intervention study
Ahmad R Allafi
- 127 The relationship between BMI, WHR and serum vitamin B12, folic acid and ferritin levels in adults
Sabiha Zeynep Aydenk Koseoglu, Dilek Toprak, Nurhan Dogan
- 137 Effect of dairy products intake in women with premenstrual syndrome: a randomized controlled trial
Merve Yurt, Seyit Mehmet Mercanlıgil, Seray Kabaran
- 146 The effect of different term swimming exercise in rats on serum leptin levels
Hakan Acar, Erkut Tutkun
- 153 The effects of weight class athletes' nutrient consumptions and eating habits on their depression-anxiety-stress levels
Deniz Özge Yüceloğlu Keskin, Menderes Kabadayı, Özgür Bostancı, Levent Bayram, Deniz Günay Derebaşı
- 161 Acute effects of static and dynamic stretching exercises on isokinetic strength of hip flexion-extension in male handball players
Mahmut Alp

-
- 167 The relationship between subjective well-being levels and physical self-perception and eating attitudes of students receiving sports education
Çakmak Yıldızhan, Yasemin, Mehmet Yazıcı
- 177 The relationship between serum leptin and VO₂max levels in pre-puberty swimmer girls: effect of acute exercise
Gokmen Ozen, Abdullah Güllü, Halil Düzova, Bilge Özgör, Evren Kiliç, Faruk Akçınar
- 185 The fatty acid composition in some economic and wild edible mushrooms in Turkey
Aydın Sukru Bengu
- 193 Varietal and time dependent differences in juglone and total phenolic contents of the walnut (*Juglans regia* L.) leaves
İsmail Kocaçalışkan, Emel Turan, Ümran Ertürk, Yaşaruz Demir, İrfan Terzi
- 199 Evaluation of some commercial dairy rations in terms of chemical composition, methane production, metabolisable energy and organic matter digestibility
Mustafa Boga, Ozer Kurt, Cagri Ozgur Ozkan, Ali İhsan Atalay, Adem Kamalak
- 204 The relationship between nutritional status, serum folic acid and homocysteine levels in hemodialysis and peritoneal dialysis patients
Handan Akalin, Neslişah Rakicioğlu
- 214 Investigation of aflatoxin levels in chips by HPLC using post-column UV derivatization system
Jale Çatak, Mustafa Yaman, Halime Uğur
- 224 Antioxidant activity and phenolic content of commonly consumed fruits and vegetables in Algeria
Habiba Djenidi, Seddik Khennouf, Amel Bouaziz
- 236 Phytochemical screening and in vivo and in vitro evaluation antioxidant capacity of *Fargaria ananassa*, *Prunus armeniaca* and *Prunus persica* fruits growing in Algeria
Soulef Saoudi, Seddik Khennouf, Nozha Mayouf, Smain Amira, Saliba Dahamna, Karim Hosni
- 253 Essential oil and fatty acid composition of *Melissa officinalis* L.
Mouna Souihi, Ismail Amri, Amir Souissi, Karim Hosni, Nadia Ben Brahim, Mohamed Annabi
- 259 Clinoptilolite induces cell death in THP-1 cells in oxidative stress conditions
Gunnur Demircan, Ata Onur Kepenek, Sule Beyhan Ozdas, Demet Akin

-
- 265 Effects of (+)- catechin + quercetin usage before exhaustion exercise on free radical and antioxidant enzyme levels
Erdil Durukan
- 275 The effect of short-term royal jelly supplement on testosterone levels in sedentary and healthy individuals
Ali Mubittin Taşdoğan, Zarife Pancar, Mustafa Özdal, Mehmet Vural, Serkan Pancar, Yakup Zühtü Birinci
- 281 Effect of royal jelly supplementation on aerobic power output and anaerobic power output
Ali Mubittin Taşdoğan, Mehmet Vural, Mustafa Özdal, Zarife Pancar
- 288 Effect of soy protein on hypercholesterolemia and hypertension to reduce the risk of cardiovascular diseases
Saman Zahid, Tahir Zaboar, Muhammad Nadeem, Muhammad Farhan Jahangir Chughtai, Adnan Khaliq, Samree Ahsan, Ambreen Sagheer
- 297 A folk remedy: royal jelly improves lung capacity in smokers
Ali Mubittin Taşdoğan, Ebru Tarıkçı Kılıç, Zarife Pancar, Mustafa Özdal
- 304 Sleep quality and its relationship with night eating syndrome, the risk of diabetes, and nutritional status among university students
Yasemin Akdevelioğlu, Teslime Özge Şahin, Ozge Yesildemir
- 316 The effect of 8-week zumba fitness on body composition of Turkish women
Aziz Güçlüöver
- 323 The Compositional and nutritional inventory of naturally mutant strain *Auricularia cornea* var. *Li.* edible mushroom from China
Rebecca Roy
- 330 Comparing video and poster based education for improving 6-17 months children feeding practices: a cluster randomized trial in rural Benin
Waliou Amoussa Hounkpatin, Céline Termote
- Case Report**
- 343 Nutrition planning and hydration control during a six-stage Pirineos FIT Endurance trail-running race. A case report
Eraci Drehmer Rieger, M^a Ángeles Navarro, Sandra Carrera, Roberto Herrera, Carlos Sanchis, Mari Luz Moreno