

# ACTA BIOMEDICA

ATENEI PARMENSIS | FOUNDED 1887

*Official Journal of the Society of Medicine and Natural Sciences of Parma  
and Centre on health systems' organization, quality and sustainability, Parma, Italy*



*The Acta Biomedica is indexed by Index Medicus / Medline Excerpta Medica (EMBASE),  
the Elsevier BioBASE, Scopus (Elsevier) and Bibliovigilance*

*Free on-line [www.actabiomedica.it](http://www.actabiomedica.it)*

MATTIOLI 1885



---

# ACTA BIO MEDICA

ATENEI PARMENSIS

FOUNDED 1887

OFFICIAL JOURNAL OF THE SOCIETY OF MEDICINE AND NATURAL SCIENCES OF PARMA  
AND CENTRE ON HEALTH SYSTEM'S ORGANIZATION, QUALITY AND SUSTAINABILITY, PARMA, ITALY

free on-line: [www.actabiomedica.it](http://www.actabiomedica.it)

---

## EDITOR IN CHIEF

Maurizio Vanelli - Parma, Italy

## ASSOCIATE EDITORS

Carlo Signorelli - Parma, Italy

Vincenzo Violi - Parma, Italy

Marco Vitale - Parma, Italy

## SECTION EDITORS

Gianfranco Cervellin- Parma, Italy

Domenico Cucinotta - Bologna, Italy

Vincenzo De Sanctis- Ferrara, Italy

Carlo Signorelli - Parma, Italy

## DEPUTY EDITOR FOR HEALTH

PROFESSIONS EDITION

Leopoldo Sarli - Parma, Italy

## DEPUTY EDITOR FOR SERTOT

EDITION

Francesco Pogliacomì - Parma, Italy

Paolo Di Benedetto - Udine, Italy

---

## EDITORIAL BOARD

Andrea Amerio - Genova, Italy

Franco Aversa - Parma, Italy

Cesare Beghi - Varese, Italy

Elena Giovanna Bignami - Parma, Italy

Riccardo Bonadonna - Parma, Italy

David A. Bushinsky - Rochester, NY, USA

Ovidio Bussolati - Parma, Italy

Ardeville Cabassi - Parma, Italy

Carlo Caffarelli - Parma, Italy

Duran Canatan - Antalya, Turkey

Fausto Catena - Parma, Italy

Francesco Ceccarelli - Parma, Italy

Rossana Cecchi - Parma, Italy

Stefano Cecchini - Parma, Italy

Gian Paolo Ceda - Parma, Italy

Graziano Ceresini - Parma, Italy

Gianfranco Cervellin - Parma, Italy

Alfredo Antonio Chetta - Parma, Italy

Marco Colonna - St. Louis, MO, USA

Maria Eugenia Colucci - Parma, Italy

Paolo Coruzzi - Parma, Italy

Lucio Guido Maria Costa - Parma, Italy

Cosimo Costantino - Parma, Italy

Renato Costi - Parma, Italy

Domenico Cucinotta - Bologna, Italy

Massimo De Filippo - Parma, Italy

Filippo De Luca - Messina, Italy

Vincenzo De Sanctis - Ferrara, Italy

Valentina Fainardi - Parma, Italy

Claudio Feliciani - Parma, Italy

Nicola Florindo - Parma, Italy

Lorella Franzoni - Parma, Italy

Antonio Freyrie - Parma, Italy

Matteo Goldoni - Parma, Italy

Rick Hippakka - Chicago, IL, USA

Andrew R. Hoffman - Stanford, CA, USA

Joachim Klosterkoetter - Colonia, Germany

Giuseppe Lippi - Verona, Italy

Wanyun Ma - Beijing, China

Umberto Vittorio Maestroni - Parma, Italy

Marcello Giuseppe Maggio - Parma, Italy

Federico Marchesi - Parma, Italy

Carla Mastrorilli - Bari, Italy

Tiziana Meschi - Parma, Italy

Jose Luis Navia - Cleveland, OH, USA

Anna Odone - Milano, Italy

Antonio Pellegrino - Lecco, Italy

Silvia Pizzi - Parma, Italy

Francesco Pogliacomì - Parma, Italy

Edoardo Raposio - Parma, Italy

Shaukat Sadikot - Mumbai, India

Simone Cherchi Sanna - New York, NY, USA

Leopoldo Sarli - Parma, Italy

Paolo Schiavi - Parma, Italy

Ashraf Tawfic Mohamed Soliman - Doha, Qatar

Mario Strazzabosco - New Haven, CT, USA

Nicola Sverzellati - Parma, Italy

Roberto Toni - Parma, Italy

Frederik H. Van Der Veen - Maastricht,

The Netherlands

Vincenzo Vincenti - Parma, Italy

Vincenzo Violi - Parma, Italy

Francesco Ziglioli - Reggio Emilia, Italy

---

## LINGUISTIC ADVISOR

Rossana Di Marzio  
Parma, Italy

## EDITORIAL OFFICE MANAGER

Valeria Ceci  
Mattioli 1885 srl - Casa Editrice  
Strada di Lodesana 649/sx, Loc. Vaio  
43036 Fidenza (PR), Italy  
Tel. ++39 0524 530383  
Fax ++39 0524 82537  
contact@actabiomedica.it

Francesco Covino  
Società di Medicina e Scienze Naturali  
Azienda Ospedaliero-Universitaria  
di Parma - Cattani Building, 2nd floor  
Via Gramsci, 14 - Parma, Italy  
Tel./Fax ++39 0521 033730  
francesco.covino@unipr.it

## PUBLISHER

Mattioli 1885 srl Casa Editrice  
Strada di Lodesana, 649/sx, Loc. Vaio  
43036 Fidenza (PR), Italy  
Tel. ++39 0524 530383  
Fax ++39 0524 82537  
E-mail: edit@mattioli1885.com



**MATTIOLI 1885**

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

*Direttore Generale*  
Paolo Cioni

*Direttore Scientifico*  
Federico Cioni

*Formazione/ECM*  
Simone Agnello

*Project Manager*  
Natalie Cerioli  
Massimo Radaelli

*Editing Manager*  
Anna Scotti

*Editing*  
Valeria Ceci  
Eugenio Nadotti

*Foreign Rights*  
Nausicaa Cerioli

*Distribuzione*  
Massimiliano Franzoni



EXECUTIVE COMMITTEE OF  
THE SOCIETY OF MEDICINE  
AND NATURAL SCIENCES  
OF PARMA

*President*  
Maurizio Vanelli

*General Secretary*  
Maria Luisa Tanzi

*Treasurer*  
Riccardo Volpi

*Members*

O. Bussolati	A. Mutti
G. Ceda	P. Muzzetto
G. Cervellin	P. Salcuni
G. Ceresini	L. Sarli
N. Florindo	V. Vincenti
G. Luppino	V. Violi
A. Melpignano	M. Vitale



## INDEX

Volume 91 / n. 1

December 2020

### Original articles

- 7 *Marco Badinella Martini, Francesco Dentali, Andrea Pizzini, Fabrizio D'Ascenzo, Luigi Fenoglio, Fulvio Pomero*  
The prophylaxis of venous thromboembolism in medical outpatients: results of a survey among italian general practitioners
- 15 *Riccardo Milandri, Tommaso Bocchialini, Matteo Maltagliati, Cotugno Michele, Elisa Simonetti, Ferretti Stefania, Umberto Vittorio Maestroni, Bernardo Maria Cesare Rocco, Salvatore Micali*  
Effects of D-Mannose, Ellirose™ and Lactobacillus Plantarum in treatment of urinary tract recurrent infections (rUTIs): A survey of urologists knowledge about its clinical application.
- 21 *Abdulmoein Eid Al-Agha, Alyaa Adam, Anbar Almaghrabi, Asmaa Zainalabidin, Hajar Mohammed Ahmed, Rawan A. Almurwallad, Shaymaa H. Aljabdali, Shurooq Alharbi, Wijdan Alhowig*  
Influence of various environmental factors on the growth of children and adolescents in Jeddah, Kingdom of Saudi Arabia
- 29 *Adnan Al Shaikh, Hadeer Daftardar, Abdul Aziz Alghamdi, Majd Jamjoom, Saniah Awidah, Mohamed E Ahmed, Ashraf T Soliman*  
Effect of growth hormone treatment on children with idiopathic short stature (ISS), idiopathic growth hormone deficiency (IGHD), small for gestational age (SGA) and Turner syndrome (TS) in a tertiary care center
- 41 *Giacomo Strigini, Laura Ghidoni, Fabrizio Quattrini, Giorgio Bellina, Corrado Ciatti, Caterina Fiazza, Pietro Maniscalco*  
Preliminary experience in the treatment of hip necrosis with BIOS screws associated with growth factors
- 44 *Jose Maria Pereira de Godoy, Maria de Fatima Guerreiro Godoy*  
Gas gangrene, diabetes and amputations of upper extremities
- 47 *Davide Ferrari, Marta Strollo, Matteo Vidali, Andrea Motta, Marina Pontillo, Massimo Locatelli*  
Biochemical, immunochemical and serology analytes validation of the lithium heparin BD Barricor blood collection tube on a highly automated Roche COBAS8000 instrument
- 56 *Majid Jawad AL-Ghazali, Hanaa Addai Ali, Mohauman Mohammad AL-Rufaie*  
Serum irisin levels as a potential marker for diagnosis of gestational diabetes mellitus



- 
- 64 *Piercosimo Nisi, Giovanna Piva, Federico Cozzani, Matteo Rossini, Elena Bonati, Cristiana Madoni, Elena Giovanna Bignami, Paolo Del Rio*  
Intraoperative neuromonitoring in traditional and miniinvasive thyroidectomy. A single center experience in 1652 nerve at risk.
- 70 *Kamran Bagheri Lankarani, Gholam Reza Sivandzadeh, Marziyeh Zare, Mohammadali Nejati, Ramin Niknam, Ali Reza Taghavi, Fardad Ejtehad, Mahvash Alizade Naini, Maryam Moini, Mohammad Hossein Anbardar, Payam Peymani*  
A preliminary report on the use of Midodrine in treating refractory gastroesophageal disease: Randomized Double-Blind Controlled Trial
- 79 *Tugba Koca, Duran Canatan, Ahmet Rifat Örmeci, Yavuz Savas Koca, Handan Duman, Aslı Baykal, Mustafa Akcam*  
Amino acids and fatty acids in patients with beta thalassemia major
- 85 *Annalisa Pennini, Arianna Magon, Antonio Colangelo, Bruno Ferraro, Rosario Caruso*  
Enhancing self-resources in patients with chronic diseases: development and initial validation of the Disease and Care Management Score

### **Focus On**

- 93 *Giorgio Ciprandi, Salvatore Leonardi, Anna Maria Zicari, Maria Angela Tosca, Gianluigi Marseglia*  
Allergic rhinoconjunctivitis: pathophysiological mechanism and new therapeutic approach
- 97 *Gianluigi Marseglia, Amelia Licari, Giorgio Ciprandi*  
Complementary treatment of allergic rhinoconjunctivitis: the role of the nutraceutical Lertal(R)

### **Medical Humanities**

- 107 *Rosagemma Ciliberti, Giuseppe Armocida, Chiara Tesi, Roberta Fusco, Marta Licata*  
Cosmotellurism in Lombroso's work
- 113 *Maria Francesca Vardeu, Omar Larentis, Ignazio Vecchio, Ilaria Gorini, Mariano Martini, Nicola Bragazzi, Antonello D'Ambra, Martino Ruggieri, Cristina Tornali*  
History of use and abuse of X-ray: the early XXth century Italian pediatrics school
- 118 *Jutta Maria Birkhoff, Barbara Pezzoni, Paola Badino, Silvia Iorio, Ilaria Gorini*  
Lithographic lecture notes. A tool of forensic medicine teaching. Observation on the lessons of Paolo Pellacani (1884-1885), forensic physician at the University of Pavia

---

### Case Reports

- 122 *Fabio Sandomenico, Antonio Corvino, Sergio Venanzio Setola, Iginio Simonetti, Mauro Porcaro, Piero Trovato, Orlando Catalano, Antonella Petrillo*  
Post-amputation neuroma of radial nerve in a patient with epithelioid sarcoma: case report and literature review
- 128 *Claudia De Guido, Adriana Calderaro, Maria Beatrice Ruozi, Valentina Maffini, Margherita Varini, Irene Lapetina, Monica Rubini, Sara Montecchini, Carlo Caffarelli, Icilio Dodi*  
An unusual cause of Steven-Johnson Syndrome
- 132 *Fabio Massimo Corsi, Carmela Gerace, Monica Ricci*  
Rotigotine effect in prolonged disturbance of consciousness. Brief report of two cases
- 134 *Sophia Vaina, Christina Chrysohoou, Laura Bonfanti, Nicholas George Kounis, Gianfranco Cervellin, Georgios Georgiopoulos, Dimitris Tousoulis*  
Anaphylactic cardiovascular collapse manifesting as myocardial infarction following salad consumption. A case of Kounis variant type I syndrome.
- 139 *Antonino Amaturò, Massimo Meucci, Francesco Saverio Mari*  
Treatment of haemorrhoidal disease with micronized purified flavonoid fraction and sucralfate ointment

### e-Letters: Comments and Responses

- 142 *Ajay Kumar Mishra, Kamal Kant Sabu, Sudesh Kaul, Amos Lal*  
Dasatinib induced pleuro-pericardial effusion
- 144 *Mohammad AJ Abdulla, Mohamed A Yassin*  
Dasatinib induced pleural effusions - Reply
- 146 *Rafael Martinez-Giron, Hugo Cornelis van Woerden, Cristina Martínez-Torre*  
Ciliated nasal epithelial cells damage and human rhinovirus infection: cytological findings
- 148 *Giorgio Ciprandi, Matteo Gelardi*  
Nasal cytology identifies healthy and damaged nasal epithelial cells - Reply

### 2019's top papers in General Medicine

- 150 *Domenico Cucinotta*  
Pros and Cons in general medicine and geriatrics, 2019

---

## Debate

- 157 *Domenico Cucinotta, Maurizio Vanelli*  
WHO Declares COVID-19 a Pandemic

## New Frontiers

- 161 *Mirko Baglivo, Manuela Baronio, Giuseppe Natalini, Tommaso Beccari, Pietro Chiurazzi, Ezio Fulcheri, Paolo Petralia, Sandro Michelini, Giovanni Fiorentini, Giacinto Abele Miggiano, Assunta Morresi, Gerolamo Tonini, Matteo Bertelli*  
Natural small molecules as inhibitors of coronavirus lipid-dependent attachment to host cells: a possible strategy for reducing SARS-COV-2 infectivity?

## ADOLESCENT ENDOCRINOLOGY UPDATE

(Editor: Vincenzo De Sanctis)

### Reviews

- 165 *Andreas Kyriakou, Nicolas C. Nicolaidis, Nicos Skordis*  
Current approach to the clinical care of adolescents with gender dysphoria
- 176 *Heba Elsedfy*  
Striae distensae in adolescents: A mini review
- 182 *Vincenzo De Sanctis, Ashraf T Soliman, Shahina Daar, Salvatore Di Maio, Rania Elalaily, Bernadette Fiscina, Christos Kattamis*  
Prevalence, attitude and practice of self-medication among adolescents and the paradigm of dysmenorrhea self-care management in different countries



Acta Biomedica (Acta Biomed, ABM) has been included in the PubMed Central® (PMC) archive, a free full-text container of biomedical literature and life sciences at the National Library of Medicine of the United States National Institutes of Health (NIH / NLM). All the articles of ABM starting from 2017 are now free online also starting from the PubMed portal. The pdf version can also be obtained through the DOI code assigned to each article. A progress that rewards the commitment of the editorial staff and the trust of all ABM authors.