

ANNALI

dell'Istituto Superiore di Sanità

A SCIENCE JOURNAL FOR PUBLIC HEALTH

Publication

Annali dell'Istituto Superiore di Sanità is published quarterly and in special issues.
Freely available online at www.iss.it/annali - <https://annali.iss.it>

Annali dell'Istituto Superiore di Sanità is indexed in

- CAB
- CHEMABS
- EMBASE/Excerpta Medica
- FSTA
- MEDLINE
- ProQuest
- SCOPUS
- WEB OF SCIENCE

The Journal Impact Factor is 1.370

Annali Editorial Office

Scientific Communication Service
Istituto Superiore di Sanità
Viale Regina Elena 299, 00161 Rome, Italy
Tel.: +39 06 49902945 Fax: +39 06 49902253
E-mail: annali@iss.it
www.iss.it/annali - <https://annali.iss.it>

Papers to be presented for publication should be submitted online
to <https://annali.iss.it>

Instructions to Authors are available online at <https://annali.iss.it>

Publishing support

Il Pensiero Scientifico Editore, Rome
Via San Giovanni Valdarno 8, 00138 Rome, Italy
www.pensiero.it

Subscription information & terms

Il Pensiero Scientifico Editore
Tel.: +39 06 86282324 Fax: 06 86282250
E-mail: abbonamenti@pensiero.it

Year 2021

Italy individual subscription € 57,00 | Italy institutional subscription € 67,00.

Other countries € 67,00

Each quarterly issue € 21,00

Responsibility for the contents and opinions expressed on this journal
rests solely with the Author(s).

ISSN 0021-2571 (print), 2384-8553 (online)

Coden: AISSAW 57 (No. 2)

©Istituto Superiore di Sanità 2021.

Some rights reserved.



Reg. Stampa - Tribunale di Roma, n. 482 del 29 ottobre 1985 (cartaceo); n. 121 del 16 maggio 2014 (online)



Printed in June 2021 by Ti Printing s.r.l.
Via Case Rosse 23, 00131 Rome, Italy

ANNALI

dell'Istituto Superiore di Sanità
A SCIENCE JOURNAL FOR PUBLIC HEALTH

President of the Istituto Superiore di Sanità

Silvio Brusaferrò

Responsible Director

Paola De Castro

Editor-in-chief

Enrico Alleva

Istituto Superiore di Sanità

Assistant Editor

Federica Napolitani Cheyne

Istituto Superiore di Sanità

Scientific Committee

Enrico Alleva, Luca Busani, Pietro Comba, Paola De Castro, Paola Fattibene, Alessandro Giuliani, Antonio Mistretta, Carlo Petrini, Giovanni Rezza, Emanuele Scafato, Marina Torre

Istituto Superiore di Sanità

Editorial Committee

Annarita Barbaro, Maria Cristina Barbaro, Alessandra Fuglieni, Federica Napolitani Cheyne,

Laura Radiciotti

Istituto Superiore di Sanità

OJS Site Administrator

Daniele Cordella

Istituto Superiore di Sanità

Editorial Advisory Board

Chris Beyrer

Johns Hopkins Bloomberg School of Public Health, Baltimore, USA

Jacqueline N. Crawley

Laboratory of Behavioral Neuroscience, NIMH, NIH, Bethesda, USA

Juana Martín de las Mulas González-Albo

Dpto de Anatomía y Anatomía Patológica Comparada, Facultad de Veterinaria, UCO, Córdoba, Spain

Jean-François Delfraissy

Agence Nationale de Recherches sur le sida et les hépatites virales, Paris, France

Tony Fletcher

London School of Hygiene & Tropical Medicine, London, UK

Sui Huang

Institute for Systems Biology, Seattle, USA

Stefania Maggi

CNR Aging Branch Institute of Neuroscience, Padova, Italy

Francesco M. Marincola

Infectious Disease and Immunogenetics Section, NIH, Bethesda, USA

Ana Marušić

Dept of Research in Biomedicine and Health, University of Split School of Medicine, Croatia

Patrick Smeesters

Université Catholique de Louvain, Louvain-La-Neuve, Belgium

Kurt Straif

ISGlobal, Barcelona and Visiting Professor at Boston College

David Vlahov

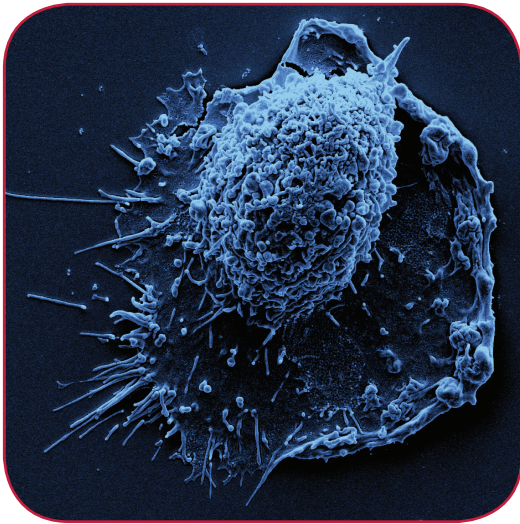
School of Nursing, University of California, San Francisco, CA, USA

Bernard Zalc (Boris)

Centre de Recherche de l'Institut du Cerveau et de la Moelle épinière, UPMC, Paris, France

Graphic design of the cover: Massimo Delle Femmine, Istituto Superiore di Sanità

The photograph on the cover is a scanning electron microscope image of a hypopharyngeal carcinoma (FaDu) cell treated with Mitomycin C chemotherapy for 24 hours provided by Stefania Meschini, National Center for Drug Research and Evaluation Italian National Institute of Health Rome, Italy.



ANNALI

dell'Istituto Superiore di Sanità

Vol. 57, No. 2 2021

Contents

ORIGINAL ARTICLES AND REVIEWS

- 113** Criteria for allocation of life-saving resources during the SARS-COV-2 pandemic: ethical implications and aspects of legal liability
Francesco Gambino, Carlo Petrini and Luciana Riva
- 121** How can we manage the COVID-19 infodemics? A case study targeted to health workers in Italy
Luigi Bertinato, Gianfranco Brambilla, Paola De Castro, Antonella Rosi, Roberto Nisini, Annarita Barbaro, Donatella Gentili, Franco Toni, Antonio Mistretta, Raffaella Bucciardini, Duilio Carusi, Aurora Angelozzi, Luca Busani, Ernesto Costabile, Patrizia Mochi, Susanna Caminada, Fabio Magurano and Silvio Brusaferrò
- 128** Screening for celiac disease among the personnel in active service of an Italian Armed Force
Mariateresa Panici, Olimpia Vincentini, Sara Ciardi, Italo De Vitis, Serafino Ricci, Elena Bartoccioni and Marco Silano
- 132** A far-reaching Regulation for the Italian National Registry of Implantable Prostheses: a possible model for other health registries
Virgilia Toccaceli and Marina Torre
- 138** Attitude of potential biobank donors screened for depression towards disclosure of individual health results
Virgilia Toccaceli, Corrado Fagnani, Antonella Gigantesco, Angelo Picardi and Maria Antonietta Stazi
- 144** The complex and constantly evolving public health threat of new psychoactive substances in Italy: addressing the main functions of a national observatory of drugs
Silvia Graziano, Simona Zaami, Roberta Tittarelli, Simona Pichini, Michele Sciotti, Paolo Berretta, Francesco Paolo Busardò, Enrico Marinelli, Anastasio Tini, Giulia Scaravaggi, Eleonora Buscaglia, Elena Brambilla, Marco Cavallo, Carlo Alessandro Locatelli, Roberta Pacifici and Maria Rosaria Vari

- 151** Smoking prevalence among healthcare workers in Italy, PASSI surveillance system data, 2014-2018
Valentina Minardi, Paolo D'Argenio, Rosaria Gallo, Valentina Possenti, Benedetta Contoli, Giuliano Carrozzi, Maria Sofia Cattaruzza, Maria Masocco and Giuseppe Gorini
- 161** Breastfeeding promotion and support: a quality improvement study
Daniela Menichini, Francesca Zambri, Laura Govoni, Alba Ricchi, Ramona Infante, Elisabetta Palmieri, Maria Cristina Galli, Maria Teresa Molinazzi, Marisa Patrizia Messina, Angela Putignano, Federico Banchelli, Sofia Colaceci, Isabella Neri and Angela Giusti
- 167** Health Belief Model efficacy in explaining and predicting intention or uptake pertussis vaccination during pregnancy
Francesca Zambri, Ilaria Perilli, Alessia Quattrini, Francesca Marchetti, Sofia Colaceci and Angela Giusti
- 174** Mortality temporal trends and cancer incidence profiles of residents in the petrochemical industrially contaminated town of Gela (Sicily, Italy)
Daniele De Rocchi, Amerigo Zona, Rosario Tumino, Viviana Egidi and Roberto Pasetto
- 183** Exploring methods for the assessment of temporal trends in mortality and hospitalization in Italian industrially contaminated sites
Vittoria La Serra, Roberto Pasetto, Valerio Manno, Ivano Iavarone, Giovanna Jona Lasinio and Giada Minelli
- 193** **Book Reviews, Notes and Comments**
Edited by *Federica Napolitani Cheyne*
- 196** **Publications from International Organizations on Public Health**
Edited by *Annarita Barbaro*