

TABLES OF CONTENTS



Vol. 52, No. 4 2016

COMMENTARIES

- 1** The priority of Antonino D'Antona in describing rhabdomyolysis with acute kidney injury, following the Messina earthquake (December 28, 1908)
Natale Gaspare De Santo, Carmela Bisaccia and Luca Salvatore De Santo
- 4** Hypochondria, or, the awareness of death that goes against the cure
Leonardo Caffo
- 6** Asbestos contamination in feldspar extraction sites: a failure of prevention?
Fulvio Cavariani
- 9** For an alliance between science, ethics and politics in promoting paediatric trials
Carlo Petrini, Ippolita Rana and Enrico Alleva

MONOGRAPHIC SECTION

Social health: the challenges for healthcare facilities' design

Edited by Stefano Capolongo

- 11** Preface
 Social aspects and well-being for improving healing processes' effectiveness
Stefano Capolongo
- 15** Social sustainability in healthcare facilities: a rating tool for analysing and improving social aspects in environments of care
Stefano Capolongo, Marco Gola, Michela di Noia, Maria Nickolova, Dario Nachiero, Andrea Rebecchi, Gaetano Settimo, Gail Vittori and Maddalena Buffoli
- 24** A study of human behavior simulation in architectural design for healthcare facilities
Davide Schaumann, Nirit Putievsky Pilosof, Kartikeya Date and Yehuda E. Kalay
- 33** Health facilities humanisation: design guidelines supported by statistical evidence
Daniela Bosia, Donatella Marino and Gabriella Peretti
- 40** Humanisation and soft qualities in emergency rooms
Maddalena Buffoli, Eva Bellini, Marta Dell'Ovo, Marco Gola, Dario Nachiero, Andrea Rebecchi and Stefano Capolongo
- 48** Architectures for paediatric palliative care: how to improve quality of life and environmental well-being
Marco Gola, Paolo Carlo Francalanza, Giulio Galloni, Bianca Pagella and Stefano Capolongo
- 56** Water use and water saving in Italian hospitals. A preliminary investigation
Daniela D'Alessandro, Pierpaolo Tedesco, Andrea Rebecchi and Stefano Capolongo
- 63** Open building and flexibility in healthcare: strategies for shaping spaces for social aspects
Stefano Capolongo, Maddalena Buffoli, Dario Nachiero, Chiara Tognoli, Eleonora Zanchi and Marco Gola
- 70** The implementation of a Community Health Centre-based primary care model in Italy. The experience of the Case della Salute in the Emilia-Romagna Region
Anna Odore, Elisa Saccani, Valentina Chiesa, Antonio Brambilla, Ettore Brianti, Massimo Fabi, Clara Curcetti, Andrea Donatini, Antonio Balestrino, Marco Lombardi, Giuseppina Rossi, Elena Saccenti and Carlo Signorelli
- 78** Addressing decisions about new hospitals' siting: a multidimensional evaluation approach
Alessandra Oppio, Maddalena Buffoli, Marta Dell'Ovo and Stefano Capolongo
- 88** Healthcare for all in emerging countries: a preliminary investigation of facilities in Kolkata, India
Andrea Rebecchi, Marco Gola, Mrudula Kulkarni, Emanuele Lettieri, Ingrid Paoletti and Stefano Capolongo

ORIGINAL ARTICLES AND REVIEWS

- 98** Risk factors for dysmenorrhea among young adult female university students
Ana Pejić and Slobodan Janković
- 104** Emerging trends in consuming behaviours for non-controlled substances by Italian urban youth: a cross sectional study
Roberta Pacifici, Ilaria Palmi, Paolo Vian, Alessandra Andreotti, Claudia Mortali, Paolo Berretta, Luisa Mastrobattista and Simona Pichini
- 114** Health services and health literacy: from the rationale to the many facets of a fundamental concept. A literature review
Guglielmo Bonaccorsi, Chiara Lorini, Alberto Baldasseroni, Barbara Rita Porchia and Leonardo Capecci
- 119** The right to food, food donation and microbiological problems of food safety: an experience in the territory of Florence
Guglielmo Bonaccorsi, Chiara Lorini, Francesca Pieralli, Luca Pieri, Antonino Sala, Tommaso Tanini, Marco Nasali, Beatrice Dall'Olio and Francesca Santomauro
- 123** Technology-based intervention for healthy lifestyle promotion in Italian adolescents
Federica Fraticelli, Daniela Marchetti, Francesco Polcini, Angelika Anna Mohn, Francesco Chiarelli, Mario Fulcheri and Ester Vitacolonna

BRIEF NOTES

- 128** Health risks related to illegal and on-line sale of drugs and food supplements: results of a survey on marketed products in Italy from 2011 to 2013
Maria Cristina Gaudiano, Livia Manna, Monica Bartolomei, Andrea Luca Rodomonte, Paola Bertocchi, Eleonora Antoniella, Laura Romanini, Stefano Alimonti, Leandro Rufini and Luisa Valvo

**133 Book Reviews, Notes and Comments**Edited by *Federica Napolitani Cheyne***139 Publications from International Organizations on Public Health**Edited by *Anna Maria Rossi*

**COMMENTARIES**

- 143** Scaling-up innovation as a means of tackling health inequalities
Byron KY Bitanahirwe

MONOGRAPHIC SECTION**A sex and gender perspective in medicine: a new mandatory challenge for human health**

Edited by Elena Ortona, Federica Delunardo and Walter Malorni

146 PREFACE

Elena Ortona, Federica Delunardo, Giovannella Baggio and Walter Malorni

149 COMMENTARY

Why the study of the effects of biological sex is important

Georgios Kararigas, Ute Seeland, Maria Luisa Barcena de Arellano, Elke Dworatzek and Vera Regitz-Zagrosek

151 COMMENTARY

Health status of the Italian people: gender inequalities

Tiziana Sabetta and Walter Ricciardi

154 COMMENTARY

Sex And Gender Equity in Research (SAGER): reporting guidelines as a framework of innovation for an equitable approach to gender medicine

Paola De Castro, Shirin Heidari and Thomas F. Babor

158 Gender-related differences in lifestyle may affect health status

Rosaria Vari, Beatrice Scazzocchio, Antonio D'Amore, Claudio Giovannini, Sandra Gessani and Roberta Masella

167 Sex-driven vulnerability in stress and drug abuse

Alessandra Berry, Carla Raggi, Marta Borgi and Francesca Cirulli

176 Gender disparity in addiction: an Italian epidemiological sketch

Adele Minutillo, Roberta Pacifici, Giulia Scaravelli, Roberto De Luca, Ilaria Palmi, Claudia Mortali, Luisa Mastrobattista and Paolo Beretta

184 Gender differences in pain and its relief

Stefano Pieretti, Amalia Di Giannuario, Rita Di Giovannandrea, Francesca Marzoli, Giovanni Piccaro, Paola Minosi and Anna Maria Aloisi

190 Gender issues on occupational safety and health

Eugenio Sorrentino, Rosa Vona, Davide Monterosso and Anna Maria Giammarioli

198 The influence of sex and gender on immunity, infection and vaccination

Anna Ruggieri, Simona Anticoli, Antonella D'Ambrosio, Luciana Giordani and Marina Viora

205 Sex-based differences in autoimmune diseases

Elena Ortona, Marina Pierdominici, Angela Maselli, Caterina Veroni, Francesca Aloisi and Yehuda Shoenfeld

213 The gender perspective in cancer research and therapy: novel insights and on-going hypotheses

Lucia Gabriele, Maria Buoncervello, Barbara Ascione, Maria Bellenghi, Paola Matarrese and Alessandra Carè

223 Gender differences in cardiac hypertrophic remodeling

Mario Patrizio and Giuseppe Marano

230 Sex-related biomarkers in cardiovascular and neurodegenerative disorders

Donatella Pietraforte, Elisabetta Straface, Paola Piscopo, Rosa Vona and Annamaria Confalonni

ORIGINAL ARTICLES AND REVIEWS**240 Mild cognitive impairment, from theory to practical intervention: "Camminando e leggendo... ricordo"**

(Walking and reading... I remember), an action plan. The Treviso Dementia (TREDEM) Registry

Maurizio Gallucci, Manuela Mazzetto, Pierpaolo Spagnolo, Maria Aricò, Cristina Bergamelli, Maria Grazia Oddo, Giovanni Gallo, Paola Astolfo, Enrico Di Giorgi and Nicola Vanacore

249 Validation of the Italian version of the Apathy Evaluation Scale (AES-I) in institutionalized geriatric patients

Marta Borgi, Floriana Caccamo, Alessandro Giuliani, Alessandro Piergentili, Sonia Sessa, Emilia Reda, Enrico Alleva, Francesca Cirulli and Fabio Miraglia

256 A computational tool for evaluating HIFU safety

Silvia Pozzi, Cristian Borrazzo, Marco Carni, Elisabetta Di Castro, Stefano Valentini and Barbara Caccia

261 Break with tradition: donating cadavers for scientific purposes and reducing the use of sentient beings

Rosagemma Ciliberti, Mariano Martini, Alessandro Bonsignore and Susanna Penco

269 Black flies (Diptera, Simuliidae) as ecological indicators of stream ecosystem health in an urbanizing area (Rome, Italy)

Simone Ciadamidaro, Laura Mancini and Leo Rivosecchi

277 Prevalence of *Salmonella* strains in wild animals from a highly populated area of north-eastern Italy

Silva Rubini, Cinzia Ravaoli, Sara Previato, Mario D'Incau, Massimo Tassinari, Enrica Guidi, Silvia Lupi, Giuseppe Merialdi and Mauro Bergamini

281 "Wind of change": the role of human centered healthcare factors in the implementation of clinical governance in an Italian University teaching hospital

Maria Lucia Specchia, Antonio Giulio de Belvis, Paolo Parente, Maria Avolio, Walter Ricciardi and Gianfranco Damiani

289 Information needs of young Italians accessing the AIDS/STI Helpline at the Italian National Institute of Health

Filippo Maria Taglieri, Emanuele Fanales-Belasio, Flavia Santi, Pietro Gallo, Anna Colucci and Anna Maria Luzi



295 Efficacy and safety of spinning exercise in middle-aged and older adults with metabolic syndrome: randomized control trial
Walter Verrusio, Paola Andreozzi, Alessia Renzi, Andrea Martinez, Giovanni Longo, Marco Musumeci and Mauro Cacciafesta

301 A new treatment in the rehabilitation of the paretic upper limb after stroke: the ARAMIS prototype and treatment protocol
Loris Pignolo, Lucia F. Lucca, Giuseppina Basta, Sebastiano Serra, Maria E. Pugliese, Walter G. Sannita and Giuliano Dolce

BRIEF NOTES

309 *sodC* genes expression in *Escherichia coli* O157:H7 strains
Raffaella Scotti, Laura Nicolini and Roberta Gabbianelli

313 Book Reviews, Notes and Comments

Edited by *Federica Napolitani Cheyne*

315 Publications from International Organizations on Public Health

Edited by *Anna Maria Rossi*

**COMMENTARY****317** Assent, consent and paediatric bioethics*Carlo Petrini, Ippolita Rana and Enrico Alleva***320** Monitoring and managing mental health in the wake of Ebola*Byron Kiiza Yafesi Bitanibirwe***MONOGRAPHIC SECTION****Climate change and occupational health**Edited by *Maria Concetta D'Ovidio, Carlo Grandi, Enrico Marchetti, Alessandro Polichetti and Sergio Iavicoli***323** PREFACE*Maria Concetta D'Ovidio, Carlo Grandi, Enrico Marchetti, Alessandro Polichetti and Sergio Iavicoli***325** Global and Mediterranean climate change: a short summary*Virginia Ciardini, Gian Marco Contessa, Rosaria Falsaperla, José Luis Gómez-Amo, Daniela Meloni, Francesco Monteleone, Giandomenico Pace, Salvatore Piacentino, Damiano Sferlazzo and Alcide di Sarra***338** Climate change impact on microclimate of work environment related to occupational health and productivity*Enrico Marchetti, Pasquale Capone and Daniela Freda***343** Impact of climate change on occupational exposure to solar radiation*Carlo Grandi, Massimo Borra, Andrea Militello and Alessandro Polichetti***357** The association between extreme weather conditions and work-related injuries and diseases. A systematic review of epidemiological studies*Michela Bonafede, Alessandro Marinaccio, Federica Asta, Patrizia Schifano, Paola Michelozzi and Simona Vecchi***368** Climate change and agricultural workers' health in Ecuador: occupational exposure to UV radiation and hot environments*Raul Harari Arjona, Jessika Piñeiro, Marcelo Ayabaca and Florencia Harari Freire***374** Climate change: the potential impact on occupational exposure to pesticides*Maria Pia Gatto, Renato Cabella and Monica Gherardi***386** Climate change and safety at work with ionizing radiations*Gian Marco Contessa, Carlo Grandi, Mario Scognamiglio, Elisabetta Genovese and Sandro Sandri***397** Climate change, vector-borne diseases and working population*Nicoletta Vonesch, Maria Concetta D'Ovidio, Paola Melis, Maria Elena Remoli, Maria Grazia Ciufolini and Paola Tomao***406** Climate change and occupational allergies: an overview on biological pollution, exposure and prevention*Maria Concetta D'Ovidio, Isabella Annesi-Maesano, Gennaro D'Amato and Lorenzo Cecchi***415** Towards a greener labour market: occupational health and safety implications*Antonio Valenti, Diana Gagliardi, Grazia Fortuna and Sergio Iavicoli***ORIGINAL ARTICLES AND REVIEWS****424** Quality of life in refugees and asylum seekers in Italy: a pilot study*Nicola Nante, Lapo Gialluca, Michela De Corso, Gianmarco Troiano, Agnese Verzuri and Gabriele Messina***428** Parent training education program: a pilot study, involving families of children with Prader-Willi syndrome*Yllka Kodra, Loreta A. Kondili, Alessia Ferraroni, Maria Antonietta Serra, Flavia Caretto, Maria Antonietta Ricci and Domenica Taruscio***434** Telemedicine in palliative care: a review of systematic reviews*Marco Rogante, Claudia Giacomozzi, Mauro Grigioni and Dahlia Kairy***443** Job stress models for predicting burnout syndrome: a review*Francesco Chirico***BRIEF NOTES****457** Prevalence of breastfeeding in Italy: a population based follow-up study*Laura Lauria, Angela Spinelli and Michele Grandolfo***462 Book Reviews, Notes and Comments**Edited by *Federica Napolitani Cheyne***465 Publications from International Organizations on Public Health**Edited by *Anna Maria Rossi*

**COMMENTARY**

- 469** Poliomyelitis: residual hurdles to global eradication
Paola Stefanelli, Gabriele Buttinelli and Giovanni Rezza

MONOGRAPHIC SECTION**471 Contaminated sites: a global health issue**

Edited by Pietro Comba, Roberto Pasetto, Daniela Marsili and Paola De Castro

323 PREFACE

Pietro Comba, Ivano Iavarone and Roberta Pirastu

476 Exploring available options in characterising the health impact of industrially contaminated sites

Roberto Pasetto, Piedad Martin-Olmedo, Marco Martuzzi and Ivano Iavarone

483 Ethical aspects of epidemiological research in contaminated sites

Colin L. Soskolne

488 A survey on lifestyle and level of biomarkers of environmental exposure in residents in Civitavecchia (Italy)

Carla Ancona, Lisa Bauleo, Giovanni Biscotti, Beatrice Bocca, Stefano Caimi, Fabio Cruciani, Sabrina Di Lorenzo, Morena Petrolati, Anna Pino, Giovanna Piras, Augusto Pizzabiocca, Silvia Rabbiosi, Flavia Ruggieri, Chelo Salatino, Alessandro Alimonti and Francesco Forastiere on behalf of the ABC Study Group

495 Environmental nickel exposure from oil refinery emissions: a case study in Ecuador

Raúl Harari, Florencia Harari and Francesco Forastiere

500 Agricultural areas in potentially contaminated sites: characterization, risk, management

Fabiana Vanni, Federica Scaini and Eleonora Beccaloni

505 The relevance of the food production chain with regard to the population exposure to chemical substances and its role in contaminated sites

Francesca Romana Mancini, Luca Busani, Sabrina Tait and Cinzia La Rocca

511 Fostering public health awareness on risks in contaminated sites. Capacity building and dissemination of scientific evidence

Paola De Castro, Roberto Pasetto, Daniela Marsili and Pietro Comba

516 A cross-disciplinary approach to global environmental health: the case of contaminated sites

Daniela Marsili

ORIGINAL ARTICLES AND REVIEWS**524** Health Software: a new CEI Guide for software management in medical environment

Claudia Giacomozzi and Francesco Martelli

530 Knowledge of HIV infection and ways of its transmission: a knowledge, attitudes, beliefs and practices (KABP) survey among a sample of students at the "Magna Graecia", University of Catanzaro

Maria Mazzitelli, Giulio Carida, Caterina Scigliano, Maria Concetta Vallone[†], Pirrò Federico, Maria Rita Lombardo, Giovanni Clemente, Federica Bernaudo, Maria Concetta Postorino, Alessio Strazzulla, Rosario Maselli and Carlo Torti

536 PASSI d'Argento (Silver Steps): the main features of the new nationwide surveillance system for the ageing Italian population, Italy 2013-2014

Benedetta Contoli, Patrizia Carrieri, Maria Masocco, Luana Penna, Alberto Perra and the PDA Study Group

543 Gestational age and hospital utilization: three-years follow-up of an area-based birth cohort

Carlo Corchia, Enrica Lapucci, Francesco Franco, Sara Farchi, Stavros Petrou and Domenico Di Lallo

550 The changing phenotype of iodine deficiency disorders: a review of thirty-five years of research in north-eastern Sicily

Mariacarla Moletti, Giacomo Sturniolo, Francesco Trimarchi and Francesco Vermiglio

558 Barriers to the development of pediatric palliative care in Italy

Franca Benini, Marcello Orzalesi, Anna de Santi, Sabrina Congedi, Pierina Lazzarin, Federico Pellegatta, Lucia De Zen, Marco Spizzichino, Enrico Alleva

565 Continuous professional development and health sector governance in Egypt

Rita Maria Ferrelli, Dolores Mattosovich, Mervat El-Seweify and Nabil Dowidar

570 Melanoma prevention in children: knowledge, attitudes and behaviors of pediatricians in Italy

Claudia Esposito, Laura Pezzulo, Francesco Napolitano and Gabriella Di Giuseppe

576 Adverse reproductive outcomes associated with exposure to a municipal solid waste incinerator

Michele Santoro, Fabrizio Minichilli, Nunzia Linzalone, Alessio Coi, Maria Teresa Maurello, Domenico Sallese and Fabrizio Bianchi

582 The relationship between medical ethics and the legal system in Italy: food for thought

Carlo Petrini and Walter Ricciardi

587 Smallpox as an actual bioterrorist threat: lessons learned from its outbreak in ex-Yugoslavia in 1972

Elizabeta Ristanovic, Ana Gligic, Sonja Atanasievska, Vesna Protic-Djokic, Dragutin Jovanovic and Miodrag Radunovic

BRIEF NOTES**598** Teleretinography into diabetes integrated care: an Italian experience

Roberto Perilli, Rosamaria Di Biagio, Renato Seller, Luigi Ruotolo, Carla Granchelli, Valeria Marisi, Stefania Melena and Agostino Consoli



603 Drug-resistant tuberculosis in Naples, 2008-2013

Annalisa Del Giudice, Alessandro Mustazzolu, Angelo Iacobino, Rossella Perna, Riccardo Smeraglia, Rachele Marino, Lanfranco Fattorini and Giulia Santoro

608 Book Reviews, Notes and Comments

Edited by *Federica Napolitani Cheyne*

616 Publications from International Organizations on Public Health

Edited by *Anna Maria Rossi*