



EDITORIALS

- 863** **ERS guidelines, statements and technical standards published in the ERJ in 2014: a year in review**
Guy G. Brusselle and Mina Gaga
- 867** **Lung cancer diagnosis in the emergency department**
Anne-Pascale Meert, Jean-Paul Sculier and Thierry Berghmans
- 869** **Treatment of COPD and the TOnado trial: a tempest in a teapot?**
Klaus F. Rabe
- 872** **Biomarkers in COPD: the search continues!**
David M. Mannino
- 875** **Number needed to treat: enigmatic results for exacerbations in COPD**
Samy Suissa

TASK FORCE REPORT

ATS/ERS Statement

- 879** **An official American Thoracic Society/European Respiratory Society statement: research questions in COPD**
Bartolome R. Celli, Marc Decramer, Jadwiga A. Wedzicha, Kevin C. Wilson, Alvar Agustí, Gerard J. Criner, William MacNee, Barry J. Make, Stephen I. Rennard, Robert A. Stockley, Claus Vogelmeier, Antonio Anzueto, David H. Au, Peter J. Barnes, Pierre-Regis Burgel, Peter M. Calverley, Ciro Casanova, Enrico M. Clini, Christopher B. Cooper, Harvey O. Coxson, Daniel J. Dusser, Leonardo M. Fabbri, Bonnie Fahy, Gary T. Ferguson, Andrew Fisher, Monica J. Fletcher, Maurice Hayot, John R. Hurst, Paul W. Jones, Donald A. Mahler, François Maltais, David M. Mannino, Fernando J. Martinez, Marc Miravittles, Paula M. Meek, Alberto Papi, Klaus F. Rabe, Nicolas Roche, Frank C. Sciurba, Sanjay Sethi, Nikos Siafakas, Don D. Sin, Joan B. Soriano, James K. Stoller, Donald P. Tashkin, Thierry Troosters, Geert M. Verleden, Johnny Verschakelen, Jorgen Vestbo, John W. Walsh, George R. Washko, Robert A. Wise, Emiel F.M. Wouters and Richard L. ZuWallack

ERS Statement

- 906** **Monitoring asthma in children**
Mariëlle W. Pijnenburg, Eugenio Baraldi, Paul L.P. Brand, Kai-Håkon Carlsen, Ernst Eber, Thomas Frischer, Gunilla Hedlin, Neeta Kulkarni, Christiane Lex, Mika J. Mäkelä, Eva Mantzouranis, Alexander Moeller, Ian Pavord, Giorgio Piacentini, David Price, Bart L. Rottier, Sejal Saglani, Peter D. Sly, Stanley J. Szeffler, Thomy Tonia, Steve Turner, Edwina Wooler and Karin C. Lødrup Carlsen

FROM THE MUSEUM

- 926** **From the Museum: the Art of Thinking. Summary 1–4: Thinking through**
Tom Kotsimpos

PERSPECTIVE



- 928** **Towards tuberculosis elimination: an action framework for low-incidence countries**
Knut Lönnroth, Giovanni Battista Migliori, Ibrahim Abubakar, Lia D'Ambrosio, Gerard de Vries, Roland Diel, Paul Douglas, Dennis Falzon, Marc-Andre Gaudreau, Delia Goletti, Edilberto R. González Ochoa, Philip LoBue, Alberto Matteelli, Howard Njoo, Ivan Solovic, Alistair Story, Tamara Tayeb, Marieke J. van der Werf, Diana Weil, Jean-Pierre Zellweger, Mohamed Abdel Aziz, Mohamed R.M. Al Lawati, Stefano Aliberti, Wouter Arrazola de Oñate, Draurio Barreira, Vineet Bhatia, Francesco Blasi, Amy Bloom, Judith Bruchfeld, Francesco Castelli, Rosella Centis, Daniel Chemtob, Daniela M. Cirillo, Alberto Colorado, Andrei Dadu, Ulf R. Dahle, Laura De Paoli, Hannah M. Dias, Raquel Duarte, Lanfranco Fattorini, Mina Gaga, Haileyesus Getahun, Philippe Glaziou, Lasha Gogvadze, Mirtha del Granado, Asko Järvinen, Geun-Yong Kwon, Davide Mosca, Payam Nahid, Nobuyuki Nishikiori, Isabel Nogueira, Joan O'Donnell, Analita Pace-Asciak, Maria G. Pompa, Gilda G. Popescu, Carlos Robalo Cordeiro, Karin Rønning, Morten Ruhwald, Jean-Paul Sculier, Aleksandar Simunović, Alison Smith-Palmer, Giovanni Sotgiu, Giorgia Sulis, Kazunori Umeki, Mukund Uplekar, Catharina van Weezenbeek, Tuula Vasankari, Robert J. Vitillo, Constantia Voniatis, Maryse Wanlin and Mario C. Raviglione

ORIGINAL ARTICLES

Epidemiology

- 953** **Validity of the European short list of respiratory diseases: a 40-year autopsy study**
Anne K. Gulsvik, Andreas H. Henriksen, Einar Svendsen, Sjur Humerfelt and Amund Gulsvik

ORIGINAL ARTICLES (CONTINUED)

- Press release** 962 **Increased incidence of inflammatory bowel disease in Québec residents with airway diseases**
Paul Brassard, Maria Vutcovici, Pierre Ernst, Valérie Patenaude, Maida Sewitch, Samy Suissa and Alain Bitton
- COPD**
-  969 **Tiotropium and olodaterol fixed-dose combination versus mono-components in COPD (GOLD 2–4)**
Roland Buhl, François Maltais, Roger Abrahams, Leif Bjermer, Eric Derom, Gary Ferguson, Matjaž Fležar, Jacques Hébert, Lorcan McGarvey, Emilio Pizzichini, Jim Reid, Antony Veale, Lars Grönke, Alan Hamilton, Lawrence Korducki, Kay Tetzlaff, Stella Waitere-Wijker, Henrik Watz and Eric Bateman
- 980 **Increased IgA production by B-cells in COPD via lung epithelial interleukin-6 and TAC1 pathways**
Maha Zohra Ladjemi, Marylène Lecocq, Birgit Weynand, Holly Bowen, Hannah J. Gould, Jacques Van Snick, Bruno Detry and Charles Pilette
- Asthma**
- 994 **Asthma inhaler adherence determinants in adults: systematic review of observational data**
Alexandra L. Dima, Gimena Hernandez, Oriol Cunillera, Montserrat Ferrer, Marijn de Bruin and the ASTRO-LAB group
- 1019 **Serum 25-hydroxyvitamin D levels and lung function in adults with asthma: the HUNT Study**
Tricia L. Larose, Arnulf Langhammer, Yue Chen, Carlos A. Camargo Jr, Pål Romundstad and Xiao-Mei Mai
- Epidemiology and paediatric asthma**
- 1027 **Maternal vitamin D and E intakes during pregnancy are associated with asthma in children**
Keith M. Allan, Nanda Prabhu, Leone C.A. Craig, Geraldine McNeill, Bradley Kirby, James McLay, Peter J. Helms, Jon G. Ayres, Anthony Seaton, Stephen W. Turner and Graham Devereux
- Lung function and smoking**
- 1037 **Plasma pro-surfactant protein B and lung function decline in smokers**
Janice M. Leung, John Mayo, Wan Tan, C. Martin Tammemagi, Geoffrey Liu, Stuart Peacock, Frances A. Shepherd, John Goffin, Glenwood Goss, Garth Nicholas, Alain Tremblay, Michael Johnston, Simon Martel, Francis Laberge, Rick Bhatia, Heidi Roberts, Paul Burrowes, Daria Manos, Lori Stewart, Michel Gingras, Sergio Pasian, Ming-Sound Tsao, Stephen Lam and Don D. Sin for the Pan-Canadian Early Lung Cancer Study Group
- Lung Function**
- 1046 **Spirometric reference values for Malagasy adults aged 18–73 years**
Julia Ratomaharo, Olinto Linares Perdomo, Dave S. Collingridge, Rabezanahary Andriamihaja, Matthew Hegewald, Robert L. Jensen, John Hankinson and Alan H. Morris
- Sleep**
- 1055 **Intermittent hypoxia alters gut microbiota diversity in a mouse model of sleep apnoea**
Isabel Moreno-Indias, Marta Torres, Josep M. Montserrat, Lidia Sanchez-Alcoholado, Fernando Cardona, Francisco J. Tinahones, David Gozal, Valeryi A. Poroyko, Daniel Navajas, Maria I. Queipo-Ortuño and Ramon Farré
- Pulmonary vascular diseases**
- 1066 **Leptin signalling system as a target for pulmonary arterial hypertension therapy**
Alice Huertas, Ly Tu, Raphaël Thuillet, Morane Le Hiress, Carole Phan, Nicolas Ricard, Sophie Nadaud, Elie Fadel, Marc Humbert and Christophe Guignabert
- Tuberculosis**
- CME article** 1081 **Availability, price and affordability of anti-tuberculosis drugs in Europe: a TBNET survey**
Günar Günther, Gabriela B. Gomez, Christoph Lange, Stephan Rupert and Frank van Leth on behalf of the TBNET
- Lung cancer**
- 1089 **Wedge resection and radiofrequency ablation for stage I nonsmall cell lung cancer**
Marcello C. Ambrogi, Olivia Fanucchi, Paolo Dini, Franca Melfi, Federico Davini, Marco Lucchi, Gabriele Massimetti and Alfredo Mussi
- 1098 **Analysis of advanced lung cancer patients diagnosed following emergency admission**
Daichi Fujimoto, Ryoko Shimizu, Takeshi Morimoto, Ryoji Kato, Yuki Sato, Mariko Kogo, Jiro Ito, Shunsuke Teraoka, Takehiro Ootoshi, Kazuma Nagata, Atsushi Nakagawa, Kojiro Otsuka, Nobuyuki Katakami and Keisuke Tomii
- Pulmonary pharmacology**
- 1108 **Prostaglandin D₂ and the role of the DP₁, DP₂ and TP receptors in the control of airway reflex events**
Sarah A. Maher, Mark A. Birrell, John J. Adcock, Michael A. Wortley, Eric D. Dubuis, Sara J. Bonvini, Megan S. Grace and Maria G. Belvisi

REVIEW

- 1119** **Novel drugs against tuberculosis: a clinician's perspective**
Ioana Diana Olaru, Florian von Groote-Bidlingmaier, Jan Heyckendorf, Wing Wai Yew, Christoph Lange and Kwok Chiu Chang

SERIES

- SERIES "CHALLENGES AND CONTROVERSIES IN THORACIC ONCOLOGY"**
Edited by J-P. Sculier, B. Besse and P. Van Schil
Number 8 in this Series
- 1132** **Management of EGFR mutated nonsmall cell lung carcinoma patients**
Bogdan Grigoriu, Thierry Berghmans and Anne-Pascale Meert

STATE OF THE ART

- 1142** **Anticoagulant treatment for acute pulmonary embolism: a pathophysiology-based clinical approach**
Giancarlo Agnelli and Cecilia Becattini

BACK TO BASICS

- 1150** **The innate immune function of airway epithelial cells in inflammatory lung disease**
Pieter S. Hiemstra, Paul B. McCray Jr and Robert Bals

AGORA

Research letters

- 1163** **Lung function in the children of immigrant and UK-born south-Asian mothers**
Claudia E. Kuehni, Marie-Pierre F. Strippoli, Ben D. Spycher, Michael Silverman and Caroline S. Beardsmore
- 1167** **Computed tomography quantification of airway remodelling in normal ageing subjects: a cross-sectional study**
Sébastien Bommart, Grégory Marin, Arnaud Bourdin, Marie Pierre Revel, François Klein, Maurice Hayot, Isabelle Vachier, Pascal Chanez, Marie Christine Picot, Jacques Mercier, Nicolas Molinari and Hélène Vernhet-Kovacsik
- 1170** **Monitoring of toxicity in individuals receiving treatment for latent tuberculosis infection: a systematic review versus expert opinion**
Giovanni Sotgiu, Alberto Matteelli, Haileyesus Getahun, Enrico Girardi, Monica Sañé Schepisi, Rosella Centis and Giovanni Battista Migliori
- 1173** **A novel whole-blood miRNA signature for a rapid diagnosis of pulmonary tuberculosis**
Irene Latorre, Petra Leidingger, Christina Backes, Jose Domínguez, Maria Luiza de Souza-Galvão, Jose Maldonado, Cristina Prat, Juan Ruiz-Manzano, Francisca Sánchez, Irma Casas, Andreas Keller, Hagen von Briesen, Hernando Knobel, Eckart Meese and Andreas Meyerhans
- 1177** **The tolerability of linezolid in the treatment of nontuberculous mycobacterial disease**
Kevin L. Winthrop, Jennifer H. Ku, Theodore K. Marras, David E. Griffith, Charles L. Daley, Kenneth N. Olivier, Timothy R. Aksamit, Cara D. Varley, Katherine Mackey and D. Rebecca Prevots
- 1179** **Serious adverse events during a 6-min walk test in patients with pulmonary hypertension**
Norman R. Morris, Helen Seale, Julie Harris, Kathleen Hall, Peter Hopkins and Fiona Kermeen
- 1183** **Pleuroparenchymal fibroelastosis from a consecutive database: a rare disease entity?**
Takeshi Nakatani, Toru Arai, Masanori Kitaichi, Masanori Akira, Kazunobu Tachibana, Chikatoshi Sugimoto, Aya Hirooka, Taisuke Tsuji, Shojiro Minomo, Seiji Hayashi and Yoshikazu Inoue

Correspondence

- 1187** **Salmeterol/fluticasone combination instead of indacaterol or vice-versa?**
Leonardo M. Fabbri and Alvar Agusti; Andrea Rossi, Thys van der Molen, Ricardo del Olmo and Luis Wehbe
- 1188** **Sleep medicine certification for physicians in Spain**
Josep M. Montserrat, Joaquin Terán-Santos and F. Javier Puertas
- 1191** **Prevalence of Birt-Hogg-Dubé syndrome in patients with apparently primary spontaneous pneumothorax**
Paul C. Johannesma, Rinze Reinhard, Yael Kon, Jincey D. Sriram, Hans J. Smit, R. Jeroen A. van Moorselaar, Fred H. Menko and Pieter E. Postmus on behalf of the Amsterdam BHD working group
- 1194** **Inherent weaknesses of the current ICD coding system regarding idiopathic pulmonary fibrosis**
Vasilios Tzilas and Demosthenes Bouros

- f,h,j,l** **MEETING CALENDAR**