

Curriculum vitae del Prof. Vito Brusasco

Studi:

- Maturità classica 1966.
- Laurea con lode in Medicina e Chirurgia Università di Genova, 1972.
- Specializzazione con lode in Tisiologia e Malattie dell'Apparato Respiratorio, Università di Genova, 1975.
- Fellowships: "Fulbright-Hays Foundation", 1980-81 e "Parker B. Francis Foundation", Mayo Clinic, Rochester Minnesota, 1980-81 e 1984.

Posizioni professionali e accademiche:

- Assistente Ordinario di Malattie dell'Apparato Respiratorio, Università di Genova, 1976-86.
- Associate Consultant in Anesthesia Research, Mayo Clinic, Rochester, Minnesota, 1986-87.
- Professore Associato di Allergologia Respiratoria 1986-88 e Fisiopatologia Respiratoria, Università di Genova, 1988-2001.
- Professore Ordinario di Malattie dell'Apparato Respiratorio, Università di Genova, 2001-2017;
- Direttore della Scuola di Specializzazione in Medicina dello Sport, Università di Genova, 2003-2008.
- Docente a contratto di Malattie dell'Apparato Respiratorio, Università di Genova dal 2017

Società Scientifiche:

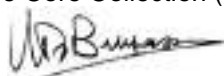
- Membro di: American Physiological Society, American Thoracic Society, European Respiratory Society, Società Italiana di Medicina Respiratoria.
- Segretario (1990-1993) e Chairman (1994-1995) del Gruppo Scientifico "Respiratory Mechanics and Modelling" dell'European Respiratory Society.
- Segretario (1996-1997) e Capo (1998-2001) dell'Assemblea Scientifica "Clinical Physiology" dell'European Respiratory Society.
- Membro del Comitato Scientifico dell'European Respiratory Society, 1988-1999; Comitato Strutturale dell'European Respiratory Society, 1998-2000; Membro del Comitato Esecutivo dell'European Respiratory Society, 1998-2001.
- Segretario del Comitato Scientifico dell'International Society of Exercise and Immunology, 1993-1995.
- Membro del Comitato Scientifico dell'Assemblea "Respiratory Structure and Function" dell'American Thoracic Society, 1999-2005.
- Chair-elect (2002-2003) e Chairman (2003-2004) del Comitato Scientifico dell'Assemblea "Respiratory Structure and Function" dell'American Thoracic Society.
- Membro del Planning Committee dell'Assemblea "Respiratory Structure and Function" dell'American Thoracic Society, 2001, 2002, 2003.
- Chairman del Planning Committee dell'Assemblea "Respiratory Structure and Function" dell'American Thoracic Society, 2004-2006.
- Membro del Nominating Committee dell'Assemblea "Respiratory Structure and Function" dell'American Thoracic Society, 2004-2005.
- Membro del Consiglio Direttivo della Società Italiana di Medicina Respiratoria, 1999-2002.
- Segretario Generale della Società Italiana di Medicina Respiratoria, 2003-2005.
- Presidente Eletto della Società Italiana di Medicina Respiratoria per il biennio 2006-2007.
- Presidente della Società Italiana di Medicina Respiratoria per il biennio 2007-2009.

Attività editoriali:

- Editorial Board Member: European Respiratory Review, 1993-1995; Exercise Immunology Annual, 1994-1996; Journal of Applied Physiology, dal 1999; Respiratory Research dal 2000; Therapeutic Advances in Respiratory Disease dal 2007. American Journal of Respiratory and Critical Care Medicine dal 2008.
- Associate Editor, European Respiratory Journal, 1992-1996.
- Associate Editor, Journal of Applied Physiology, 2001-2005.
- Co-Editor in Chief, European Respiratory Journal, 2009-2012.
- Editor in Chief, COPD: Journal of Chronic Obstructive Pulmonary Disease dal 2014

Pubblicazioni:

Autore o coautore di numerose pubblicazioni su giornali indicizzati da Scopus (n. 286, citazioni 20.337, h-index 43) o Web of Science Core Collection (n. 267, citazioni 18.261, h-index 41).



Pubblicazioni

1. Barisione G, Bacigalupo A, Brusasco C, Scanarotti C, Penco S, Bassi AM, Lamparelli T, Garlaschi A, Pellegrino R, **Brusasco V**. Mechanisms for reduced pulmonary diffusing capacity in haematopoietic stem-cell transplantation recipients. *Respir Physiol Neurobiol* 194:54-61, 2014.
2. Pellegrino R, **Brusasco V**, Miller MR. Question everything. *Eur Respir J* 43: 947-948, 2014.
3. **Brusasco V**, Martinez FJ. Chronic Obstructive Pulmonary Disease. *Compr Physiol* 4:1-31, 2014.
4. **Brusasco V**. Foreward. *COPD* 11:1, 2014.
5. **Brusasco V**. Pulmonary function studies: still a priority in COPD. *COPD* 11: 121-122, 2014.
6. Noble PB, McFawn PK, Mitchell HW, Ansell TK, Bates JH, Seow CY, **Brusasco V**, Pellegrino R, Skloot G, Togias A, Scichilone N. Commentaries on Viewpoint: Airway smooth muscle and airway hyperresponsiveness in human asthma: Have we chased the wrong horse? *J Appl Physiol* 116:1116-1118, 2014.
7. Pellegrino RG, Gobbi A, Antonelli A, Torchio R, Gulotta C, Pellegrino GM, Dellaca RL, Hyatt RE, **Brusasco V**. Ventilation heterogeneity in obesity. *J Appl Physiol* 116:1175-1181, 2014.
8. Pellegrino R, Antonelli A, Crimi E, Gulotta C, Torchio R, Dutto L, Pedersen OF, **Brusasco V**. Dependence of bronchoconstrictor and bronchodilator responses on thoracic gas compression volume. *Respirology* 19:1040-1045, 2014.
9. Bettoncelli G, Blasi F, **Brusasco V**, Centanni S, Corrado A, De Benedetto F, De Michele F, Di Maria GU, Donner CF, Falcone F, Mereu C, Nardini S, Pasqua F, Polverino M, Rossi A, Sanguinetti CM. The clinical and integrated management of COPD. *Sarcoidosis Vasc Diffuse Lung Dis* 31:3609, 2014.
10. Braido F, Baiardini I, Lacedonia D, Facchini FM, Fanfulla F, Molinengo G, Canonica GW; on behalf of the Italian Society of Respiratory Medicine (SIMEr). Sleep Apnea Risk in Patients With Asthma With or Without Comorbid Rhinitis. *Respir Care* 59:1851-1856, 2014
11. Pellegrino R, **Brusasco V**. Point: Is an Increase in FEV1 and/or FVC $\geq 12\%$ of Control and ≥ 200 mL the Best Way to Assess Positive Bronchodilator Response? Yes. *Chest* 146:536-537, 2014.
12. Pellegrino R, **Brusasco V**. Rebuttal from Drs Pellegrino and Brusasco. *Chest* 146:541-542, 2014.
13. Barisione G, Brusasco C, Garlaschi A, Crimi E, **Brusasco V**. Lung function testing in COPD: when everything is not so simple. *Respirology Case Reports* 2:141-143, 2014.
14. **Brusasco V**, Barisione G, Crimi E. Pulmonary physiology: Future directions for lung function testing in COPD. *Respirology* 20:209-218, 2015.
15. Alpha1-antitrypsin deficiency: the contribution of national registries to the understanding of the disorder. A journal Supplement in memory of Professor Maurizio Luisetti. Miravittles M, **Brusasco V**. *COPD* 12:1-2, 2015.
16. Obesity and risks of misclassification and over-treatment in COPD. Enright PL, **Brusasco V**. *COPD* 12:3-4, 2015.
17. Pellegrino RG, Crimi E, Gobbi A, Torchio R, Antonelli A, Gulotta C, Baroffio MP, Sferrazza Papa GF, Dellaca RL, **Brusasco V**. Severity grading of chronic obstructive pulmonary disease: the confounding effects of phenotype and thoracic gas compression. *J Appl Physiol* 118:796-802, 2015.
18. Corradi F, Brusasco C, Garlaschi A, Paparo F, Ball L, Santori G, Pelosi P, Altomonte F, Vezzani A, **Brusasco V**. Quantitative analysis of lung ultrasonography for the detection of community-acquired pneumonia: a pilot study. *Biomed Res Int*. 2015; Article ID 868707.
19. Quanjer PH, Ruppel G, **Brusasco V**, Pérez-Padilla R, Fragoso CA, Culver BH, Swanney MP, Miller MR, Thompson B, Morgan M, Hughes M, Graham BL, Pellegrino R, Enright P, Buist AS, Burney P. COPD (confusion over proper diagnosis) in the zone of maximum uncertainty. *Eur Respir J*. 46:1523-1524, 2015.
20. Barisione G, Brusasco C, Garlaschi A, Baroffio M, **Brusasco V**. Lung diffusing capacity for nitric oxide as a marker of fibrotic changes in idiopathic interstitial pneumonias. *J Appl Physiol* 120: 1029-1038, 2016.
21. **Brusasco V**, Pellegrino R, Miller MR. Arbitrary thresholds of natural variability and severity should not be used to diagnose chronic obstructive pulmonary disease. *BMJ* 352:i393, 2016.
22. **Brusasco V**, Pellegrino R. Spirometry in Chronic Obstructive Pulmonary Disease. From Rule of Thumb to Science. *Am J Respir Crit Care Med* 193:704-706, 2016.
23. Corradi F, Brusasco C, Vezzani A, Santori G, Manca T, Ball L, Nicolini F, Gherli T, **Brusasco V**. Computer-aided quantitative ultrasonography for detection of pulmonary edema in mechanically ventilated cardiac surgery patients. *Chest* 150:640-651, 2016.
24. Miller MR, **Brusasco V**. Risk of COPD in smokers with low transfer factor. *Eur Respir J* 47:1885-1886, 2016.

25. Corradi F, Brusasco C, **Brusasco V**. When, where, and how to use ultrasonography in patients with chronic obstructive pulmonary disease. *Arch Bronconeumol* 53: 229-230, 2017.
26. Miller MR, **Brusasco V**. Lung Function Abnormalities in Smokers with Ischemic Heart Disease. *Am J Respir Crit Care Med*. 2017 Jun 1;195(11):1536-1537
27. Graham BL, **Brusasco V**, Burgos F, G, Jensen R, Kendrick A, MacIntyre NR, Thompson BR, Wanger J. 2017 ERS/ATS standards for single-breath carbon monoxide uptake in the lung. *Eur Respir J* Jan 2017, 49 (1) 1600016 [https://doi.org/10.1183/13993003.00016-2016].
28. Graham BL, **Brusasco V**, Burgos F, G, Jensen R, Kendrick A, MacIntyre NR, Thompson BR, Wanger J. Executive summary: 2017 ERS/ATS standards for single-breath carbon monoxide uptake in the lung. *Eur Respir J* Jan 2017; 49: 16E0016 [https://doi.org/ 10.1183/13993003.E0016-2016].
29. Baroffio M, Barisione G, **Brusasco V**. Interactions between glycopyrronium and indacaterol on cholinergic neurotransmission and contractile response in bovine trachealis. *Respir Res* 18:145, 2017. doi: 10.1186/s12931-017-0627-5.
30. Magnussen H, Canepa M, Zambito PE, **Brusasco V**, Meinertz T, Rosenkranz S. What can we learn from pulmonary function testing in heart failure? *Eur J Heart Fail* 19: 1222-1229, 2017.
31. Graham BL, **Brusasco V**, Burgos F, Cooper BG, Jensen R, Kendrick A, MacIntyre NR, Thompson BR, Wanger J. D_{LCO} : adjust for lung volume, standardised reporting and interpretation. *Eur Respir J*. 2017 Aug 24;50(2). pii: 1701144. doi: 10.1183/13993003.01144-2017
32. Stanojevic S, Graham BL, Cooper BG, Thompson BR, Carter KW, Francis RW, Hall GL; Global Lung Function Initiative TLCO working group; Global Lung Function Initiative (GLI) TLCO (**Brusasco V**, Study Group member). Official ERS technical standards: Global Lung Function Initiative reference values for the carbon monoxide transfer factor for Caucasians. *Eur Respir J*. 2017 Sep 11;50(3). pii: 1700010. doi: 10.1183/13993003.00010-2017.
33. Fragoso CAV, Magnussen H, Miller MR, **Brusasco V**. Spirometry-based Diagnostic Criteria that are Not Age-appropriate Lack Clinical Relevance. *Am J Respir Crit Care Med*. 2017. doi: 10.1164/rccm.201709-1789LE.
34. Magnussen H, Vaz Fragoso CA, Miller MR, **Brusasco V**. Spirometry Variability Must Be Critically Interpreted before Negating a Clinical Diagnosis of Chronic Obstructive Pulmonary Disease. *Am J Respir Crit Care Med*. 2018;197(6):835-836.
35. Rogliani P, **Brusasco V**, Fabbri L, Ungar A, Muscianisi E, Barisione I, Corsini A, De Angelis G. Multidimensional approach for the proper management of a complex chronic patient with chronic obstructive pulmonary disease. *Expert Rev Respir Med*. 2018 Feb;12(2):103-112. doi: 10.1080/17476348.2018.1417041. Epub 2017 Dec 18.
36. Fragoso CAV, Magnussen H, Miller MR, **Brusasco V**. The Effect of Defining Chronic Obstructive Pulmonary Disease by the Lower Limit of Normal of FEV₁/FVC Ratio. *Ann Am Thorac Soc*. 2018 Mar 20. doi: 10.1513/AnnalsATS.201802-109LE.
37. Lederer DJ, Bell SC, Branson RD, Chalmers JD, Marshall R, Maslove DM, Ost DE, Punjabi NM, Schatz M, Smyth AR, Stewart PW, Suissa S, Adjei AA, Akdis CA, Azoulay É, Bakker J, Ballas ZK, Bardin PG, Barreiro E, Bellomo R, Bernstein JA, **Brusasco V**, Buchman TG, Chokroverty S, Collop NA, Crapo JD, Fitzgerald DA, Hale L, Hart N, Herth FJ, Iwashyna TJ, Jenkins G, Kolb M, Marks GB, Mazzone P, Moorman JR, Murphy TM, Noah TL, Reynolds P, Riemann D, Russell RE, Sheikh A, Sotgiu G, Swenson ER, Szczesniak R, Szymusiak R, Teboul JL, Vincent JL. [Control of Confounding and Reporting of Results in Causal Inference Studies: Guidance for Authors from Editors of Respiratory, Sleep, and Critical Care Journals](#). *Ann Am Thorac Soc*. 2018 Sep 19. doi: 10.1513/AnnalsATS.201808-564PS.
38. Porszasz J, **Brusasco V**. Current Status of Pulmonary Rehabilitation: Introductory Remarks on Pulmonary Rehabilitation, the Importance and the Practice. *COPD* 15:215-218, 2018
39. Suissa S, Sotgiu G, **Brusasco V**. Observational studies in COPD: Summary of guidance for authors. *COPD* 15: 415-417, 2018.
40. Gobbi A, Gulotta C, Suki B, Mellano E, Pellegrino R, **Brusasco V**, Dellacà RL. [Monitoring of respiratory resistance in the diagnosis of mild intermittent asthma](#). *Clin Exp Allergy* 2019 Feb 23. doi: 10.1111/cea.13376.
41. Occhipinti M, Paoletti M, Bartholmai BJ, Rajagopalan S, Karwoski RA, Nardi C, Inchingolo R, Larici AR, Camiciottoli G, Lavorini F, Colagrande S, **Brusasco V**, Pistolesi M. [Spirometric assessment of emphysema presence and severity as measured by quantitative CT and CT-based radiomics in COPD](#). *Respir Res* 2019 May 23;20(1):101. doi: 10.1186/s12931-019-1049-3.

Selected book chapters

1. Rossi A, Ganassini A, **Brusasco V**. Airflow obstruction and dynamic hyperinflation. In: *Acute Severe Asthma: Assessment and Management*. C. Rodrigo, G. Rodrigo, J. Hall, T. Colebridge Eds. Mc Graw-Hill Publisher, 2000.
2. **Brusasco V**, Pellegrino R, Rodarte JR. Airway mechanics. In: *Respiratory Mechanics*. J. Milic-Emili Ed., *Eur Respir Mon* 1999, 12, pp. 68-91.
3. **Brusasco V**, Pellegrino R. Mechanics of ventilation. In: *Respiratory Medicine, Third Edition*. J. Gibson, D. Geddes, U. Costabel, P. Sterk, B. Corrin Eds. Harcourt Publisher, 2002, pp. 105-118.
4. **Brusasco V**. Airway physiology. In: *Mechanics of Breathing: Pathophysiology, Diagnosis and Treatment*. A. Aliverti, V. Brusasco, PT Macklem, A. Pedotti Eds. Springer-Verlag Italia 2002, pp. 25-33.
5. **Brusasco V**. Structure-to-function relationships in chronic obstructive pulmonary disease and asthma. In: *Mechanics of Breathing: Pathophysiology, Diagnosis and Treatment*. A. Aliverti, V. Brusasco, PT Macklem, A. Pedotti Eds. Springer-Verlag Italia, 2002, pp. 195-200.
6. Palange P, **Brusasco V**, Delgado L, Del Giacco S. Exercise and airway physiology: interactions with immune and allergic responses. In: *Diagnosis, Prevention and treatment of Exercise-Related Asthma, Respiratory and Allergic Disorders in Sports*. K-H Carlsen, L. Delgado, S. Del Giacco Eds. *Eur Respir Mon* 2005, 33, pp. 10-18.
7. Anderson SD, **Brusasco V**, Haatela T, Popov T. Criteria for diagnosis of asthma, EIB and AHR for athletes: lessons from the Olympic Games. In: *Diagnosis, Prevention and treatment of Exercise-Related Asthma, respiratory and Allergic Disorders in Sports*. K-H Carlsen, L. Delgado, S. Del Giacco Eds. *Eur Respir Mon*, 2005, 33, pp. 48-66.
8. Cumminskey J, Carlsen K-H, Kim K-Y, Feighery C, Gree A, Pigozzi F, Canonica GW, **Brusasco V**, Del Giacco S, Bonini S, Bonini M. Sports pulmonology. In: *The Olympic Textbook of Medicine in Sport*. MP Schweltnus Ed. Wiley-Blackwell, 2008, pp.268-301.
9. **Brusasco V**. Plates 2-8 to 2-13. In: *The Netter Collection of Medical Illustrations, 2nd Edition; Vol.3, Respiratory System*. Ed. David A. Kaminsky Elsevier Saunders, 2011, pp. 56-61.
10. **Brusasco V**. Pathophysiology of airflow obstruction. In: *Mechanics of breathing 2nd Ed*. A. Aliverti, A. Pedotti Eds. Springer-Verlag Italia, 2014, pp 37-51.
11. **Brusasco V**, Barisione G. Tests of lung function: physiological principles and interpretation. In: *Exercise and sports pulmonology*. A. Cogo, M. Bonini, P. Onorati Eds. Springer Nature Switzerland 2019, pp 37-53.

Books

1. Aliverti A, **Brusasco V**, Macklem Pt, Pedotti A Eds. *Mechanics of Breathing: Pathophysiology, Diagnosis and Treatment*. Springer-Verlag Italia 2002. pp. 1-371