



Lorenzo Dominioni, MD

 UNIVERSITY OF INSUBRIA



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Contact data

Full Professor of Surgery

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Biography

Lorenzo Dominioni was born in Como, Italy, on Aug. 27, 1949. Graduated from the Faculty of Medicine at the University of Pavia, Italy in 1974. Board of general surgery, University of Pavia in 1980.

Academic career started as researcher in surgery at the University of Pavia (from 1980 to 1993). Appointed associate professor of surgery at the University of Pavia and at the University of Insubria in Varese, from 1993 to 2000. Appointed professor of Surgery at the University of Insubria in 2000.

Current position: Professor of Surgery, University of Insubria, Varese, Italy. Director of the Unit of General and Thoracic Surgery of the Department of Surgical Sciences of the University of Insubria, Varese. Director of the Center for Thoracic Surgery, University of Insubria, Ospedale di Circolo di Varese, Italy.

Surgical Practice: General surgery and thoracic surgery (over 6,000 cases operated. Over 600 cases operated by video-assisted-thoracoscopy or by video-assisted-laparoscopy).

Publications: Author / co-author of more than 350 scientific papers in the field of thoracic surgery and lung cancer, surgical infections, artificial nutrition surgical oncology.

Membership in Professional Societies: American College of Surgeons, International Association for Study of Lung Cancer (IASLC), Surgical Infection Society - Europe (President 1998-99), International Society for Diseases of the Esophagus, International Surgical Group. Member of European Association for Cardiothoracic Surgery (EACTS).

Qualifications and awards

Graduated from the Faculty of Medicine at the University of Pavia, Italy in 1974. Board of general surgery, University of Pavia in 1980.

Research interests

Current research interests: early diagnosis and screening for lung cancer; management and VATS resection of small indeterminate lung nodules

Surgical Infections:

identification of the high risk surgical patient;
antibiotic prophylaxis and treatment;
high-dose immunoglobulins in severely septic patients.

Surgical Nutrition:

nutrition and infection in surgical patients;
Immediate postoperative enteral nutrition.

Surgical Oncology:

high risk cancer patients;
detection and treatment of early lung cancer;
lung cancer screening;
malignant pleural mesothelioma.

Mininvasive surgery:

advances in video-assisted thoracoscopic surgery;
localization and treatment of small lung nodules.

Translational Research:

applied to lung cancer and to pleural mesothelioma.

Teaching experience and appointments

Current position: Professor of Surgery, University of Insubria, Varese, Italy.

Lecturer in thoracic surgery and in Surgical Semeiotics at the School of Medicine of the University of Insubria in Varese since 1987.

Lecturer in Surgery at the Postgraduate Schools of Surgery and of Thoracic Surgery.

Director of the Unit of General and Thoracic Surgery of the Department of Surgical Sciences of the University of Insubria, Varese. Director of the Center for Thoracic Surgery, University of Insubria, Ospedale di Circolo di Varese, Italy.

Appointed coordinator of Doctorate in Surgery and Biotechnologies.

Representative publications

1) Strauss GM, Dominioni L. Aftermath of the 1998 Varese Conference: a new scenario for lung cancer screening. Proceedings of the International Conference pp 1-13 November 2003.

2) Dominioni L, Imperatori A, Rovera F, Paolucci M, Paddeu A. The fairy-tale of overdiagnosis of lung cancer. Proceedings of the International Conference pp 20-34 November 2003.

3) Imperatori A, Paddeu A, Rovera F, Bascialla L, Dominioni L. Epidemiology of pleural mesothelioma in the Province of Como in the years 1996-2000. Proceedings of the International Conference pp 41-48 November 2003.

4) Dominioni L, Paddeu A, Strauss GM. Proceedings of the International Conference. Lung Cancer Screening and Early Diagnosis. Como, November 2003.

5) Dominioni L, Paddeu A, Strauss GM. Proceedings of the International Conference. Pleural Mesothelioma. Como, November 2003.

6) Dominioni L, Rovera F, Imperatori A, Bascialla L, Pericelli A. Chemioprolifassi antimicrobica nei pazienti chirurgici ad alto rischio. XXII Congresso della Società Italiana di Chemioterapia, Milano 30 Novembre–3 Dicembre 2003.

- 7) Giaroni C, Zanetti E, Chiaravalli AM, Albarello L, Dominioni L, Capella C, Lecchini S, Frigo G. Evidence for a glutamatergic modulation of the cholinergic function in the human enteric nervous system via NMDA receptors. *Eur J Pharmacol* 2003;476:63-69.
- 8) Rovera F, Billo P, Capella C, Dominioni L. Concurrent epithelial thymoma and T-cell lymphoblastic lymphoma. *European Journal of Cardio-thoracic Surgery / Interactive Cardiovascular and Thoracic Surgery* 2003;2:537-540.
- 9) Dominioni L, Rovera F, Pericelli A, Imperatori A. The rationale of early enteral nutrition. *Acta Bio Medica* 2003;74:41-44.
- 10) Rovera F, Militello P, Antonini C, Imperatori A, Dominioni L. Le polmoniti da Candida in 500 interventi di resezione polmonare. *Minerva Chirurgica* 2004;59:45-51.
- 11) Cesario A, Trombino S, Galetta D, Margaritora S, Murolo C, Dominioni L, Imperatori A, Festi L, Granone P, Russo P. Non-small cell lung cancer: from cytotoxic systemic chemotherapy to molecular targeted therapy. *Curr Med Chem – Anti-Cancer Agents* 2004;4:231-245.
- 12) Solomkin JS, Bjornson HS, Cainzos M, Dellinger EP, Dominioni L, Eidus R, Faist E, Leaper D, Lee JT, Lipsett PA, Napoletano L, Nelson CL, Sawyer RG, Weigelt J, Wilson SE. A consensus statement on empiric therapy for suspected gram-positive infections in surgical patients. *Am J Surg* 2004;187:134-145.
- 13) Dominioni L, Harrison R, Imperatori A, Leitch N, Sutton P, Rovera F, Paolucci M. The outcome of asymptomatic lung cancer detected in the year 2000 in Teesside District (UK) and in Varese District (Italy). *Proceedings of the 10th International Conference on Screening for Lung Cancer, New York, 23-25 April 2004.*
- 14) Dominioni L, Imperatori A, Pericelli A, Antonini C, Rotolo N, Paolucci M. Videothoroscopic (VTS) finger palpation and resection of indeterminate lung nodules ≤ 1.5 cm. Evaluation of histology by size groups. *Proceedings of the 11th International Conference on Screening for Lung Cancer, Roma, Italy 15-17 October 2004.*
- 15) Cesario A, Russo P, Viaggi S, Trombino S, Imperatori A, Margaritora S, Dominioni L, Festi L, Porziella V, Granone P. Malignant pleural mesothelioma: time for translational research. *The Lancet Oncology* 2004;5:591.
- 16) Dominioni L, Imperatori A, Rovera F, Vassallo F, Rotolo N. Possibilità di screening del carcinoma broncogeno. Risultati dello screening radiografico in provincia di Varese negli anni 1997-2004. *Atti della Società Italiana di Chirurgia* 2004; vol 2. Roma 17-20 ottobre 2004.
- 17) Pericelli A, Imperatori A, Vassallo F, Rotolo N, Dominioni L. Resection of small indeterminate lung nodules by video-assisted

thoracoscopic surgery (VTS). Implications for the early diagnosis of lung cancer. *Rays* 2004; 29(4):387-90.

18) Vassallo F, Imperatori A, Rovera F, Pericelli A, Antonini C, Dominioni L. The PRE.DI.CA. project for radiographic lung cancer screening in cigarette smokers. *Rays* 2004; 29(4):383-85.

19) Trombino S, Neri M, Puntoni R, Angelini C, Loprevite M, Cesario A, Granone P, Imperatori A, Dominioni L, Ardizzoni A, Filiberti R, Russo P. K-Ras Codon 12 mutation detected in plasma DNA is not an indicator of disease in NSCLC patients. Proceedings of the AACR Spacial Conference in Cancer Research, San Diego, February 23-27, 2005

20) Cesario A, Catassi A, Festi L, Imperatori A, Pericelli A, Galetta D, Margaritora S, Porziella V, Granone P, Dominioni L, Russo P. Farnesyltransferase inhibitors and human malignant pleural mesothelioma: a first step comparative traslational study. *Clin Cancer Res* 2005;11:2026-2037.

21) Strauss GM, Dominioni L, Jett JR, Freedman M, Grannis FW. Como International Conference position statement. Lung cancer screening for early diagnosis - five years after the 1998 Varese Conference. *Chest* 2005; 127(4):1146-51.

22) Trombino S, Neri M, Puntoni R, Angelini C, Loprevite M, Cesario A, Granone P, Imperatori A, Dominioni L, Ardizzoni A, Filiberti R, Russo P. Mutations in K-ras codon 12 detected in plasma DNA are not an indicator of disease in patients with non-small cell lung cancer. *Clin Chem.* 2005;51(7):1313-4.

23) Imperatori A, Rotolo N, Pericelli A, Antonini C, Paolucci M, Dominioni L. Videothoracoscopic (VTS) finger palpation and resection of indeterminate lung nodules <1.5 cm. Evaluation of histology by size groups. *The Surgeon* 2005;3:28-29.

24) Russo PA, Catassi A, Cesario A, Imperatori A, Rotolo N, Fini M, Granone P, Dominioni L. Molecular Mechanisms of Hexavalent Chromium-induced Apoptosis in Human Bronchoalveolar Cells. *Am J Respir Cell Mol Biol.* 2005 Sep 15; in press.

25) Imperatori A, Harrison RN, Leitch DN, Lepore G, Rovera F, Dionigi G, Sutton P, Dominioni L. Lung cancer in Teesside (UK) and in Varese (Italy): a comparison of management and survival. *Thorax* 2005.

26) Cesario A, Granone P, Dominioni L, Russo P. Remarks on adjuvant chemotherapy with Tegafur-Uracil in Non-small-Cell Lung Cancer. *Chest* 2005 – Letters to the Editor; 128 (4): 2933-43.

Clinical interests

Lung cancer:

epidemiology, screening, bronchoscopy, treatment

Surgical infections

identification of high-risk patient; high-dose immunoglobulins treatment in severely septic patients

Artificial nutrition

parenteral and enteral nutrition of surgical and severely septic patients

Minimally invasive surgery:

advances in video-assisted thoracoscopic surgery; treatment of small lung nodules

Malignant pleural mesothelioma

Surgical treatment and multimodal therapy