

Charalampos Moschos,MD

Pulmonologist

Contact information

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Personal information

Date of birth: December 3, 1974
Place of birth: Athens, Greece
Citizenship: Hellenic (Greek)
Marital Status: Married with 2 children
Military service: Medical officer, Hellenic Army, 2001-2002
Languages: Greek (native), English (proficiency level), Italian (fluent), German (Grundstufe).

Professional titles

- Medical Doctorate (MD), 1999
- Specialist Title in Pulmonary Medicine, 2007

Professional organizations

- Hellenic Medical Association
- Hellenic Thoracic Society
- Greek Bronchologic Society
- European Respiratory Society
- GMC (Registration Number: 7023912)
- Coordinator of the Pleural Diseases working group of the Hellenic Thoracic Society since 2007

Undergraduate studies

- Graduate of the School of Medicine at the University of Athens

Research interest

- Since 2004 I am involved in research at the Center of Applied Biomedical and Training "Marianthi Simou" in Athens. My main research interests are pleural diseases with emphasis on malignant pleural disease. I am conducting mostly basic research in vitro and in vivo in laboratory animals (mice). I use in vivo models of carcinogenesis, mainly an original model of malignant pleural effusion. My foremost goal is to elucidate the role of angiopoietins in the pathogenesis and progress of malignant pleural effusion. I believe these studies could lead to new treatment options in the biological therapy of malignant pleural effusion.
- I collaborate closely with these researchers:
 - Ioannis Kalomenidis, MD PhD. Assistant Professor, Department of Critical Care and Pulmonary Services, University of Athens. 3 Ploutarhou Str., 10675 Athens, Greece. Phone: +30-210-723-5521; Fax: +30-210-723-9127; e-mail: ikalom@med.uoa.gr.
 - Richard W. Light, MD. Professor of Medicine, Division of Allergy, Pulmonary, and Critical Care Medicine and the Center for Lung Research. Vanderbilt University School of Medicine. 1161 21st Ave. S. Suite T-1218 MCN, Nashville, TN 37232-2650; phone: 615-936-8267; fax: 615-343-1809; e-mail : richard.w.light@vanderbilt.edu, rlight98@yahoo.com.
 - Georgios T. Stathopoulos, MD PhD. Assistant Professor, Department of Physiology, University of Patras. Phone; e-mail: gstathop@med.uoa.gr.

Clinical Interest

I've been the coordinator for the Pleural Diseases Working group of the Hellenic Thoracic Society for the past 5 years, and being the first officially trained Greek pulmonologist in thoracic ultrasound.

Medical specialty

- Specialized pulmonary physician, board certified by the Greek Ministry of Health (clinical training from 2002 to 2007) (Reg.:5337, Prefecture of East Athens).

Clinical work

9/1999-12/2000 Assistant, Pulmonary Clinic, Corfu General Hospital, Corfu, Greece

5/2002 to 9/2002: Resident, 2nd Department for Internal Medicine, 251 General Air force Hospital, Athens, Greece

12/2002 to 10/2003: Resident, Center for Respiratory Failure, "Sotiria" General Hospital for Chest Diseases, Athens, Greece.

10/2003 to 4/2006: Pulmonary Fellow, Center for Respiratory Failure, "Sotiria" General Hospital for Chest Diseases, Athens, Greece.

4/2005-7/2005: Visiting Research Fellow (3 month period) at Vanderbilt University in Nashville, TN. Participated in Professor's RW Light's research program.

4/2006-10/2006: Pulmonary Fellow, Intensive Care Unit, Center for Respiratory Failure, "Sotiria" General Hospital for Chest Diseases, Athens, Greece.

10/2006-1/2007: Pulmonary Fellow, Department of Radiology. "Sotiria" General Hospital for Chest Diseases, Athens, Greece.

1/2007-4/2007: Pulmonary Fellow, Department of Thoracic surgery. "Sotiria" General Hospital for Chest Diseases, Athens, Greece.

10/2007-1/2008: Consultant. Pulmonary Department. Corfu General Hospital

1/2008-7/2008: Consultant. Department of Critical Care and Pulmonary Services, Evangelismos General Hospital, School of Medicine, University of Athens, Greece.

7/2008-10/2008: Consultant. Pulmonary Department. Corfu General Hospital

4/2009-4/2010 Consultant. 2nd Dept of Pulmonary Medicine, Athens Medical School, "Attikon" Hospital.

7/2010-2/2011 Consultant. 2nd Dept of Pulmonary Medicine, Athens Medical School, "Attikon" Hospital.

2/2011-1/2013 Consultant-Respiratory physician. Chalkida General Hospital

1/2013-present Consultant-Respiratory physician "Sotiria" General Hospital for Chest Diseases, Athens, Greece.

ARTICLES IN PEER-REVIEWED JOURNALS

1. **Moschos C.**, Kalomenidis I, Roussos C, Stathopoulos GT..A 35-year-old male with chronic cough. Eur Respir J. 2007;3: 608-11.
2. Stathopoulos GT, Kollintza A, **Moschos C**, Psallidas I, Sherrill TP, Pitsinos EN, Vassiliou S, Karatza M, Papis SA, Graf D, Orphanidou D, Light RW, Roussos C, Blackwell TS, Kalomenidis I. Tumor necrosis factor- α promotes malignant pleural effusion. Cancer Res. 2007; 67: 9825-34.

3. Kalomenidis I, **Moschos C**, Kollintza A, Sigala I, Stathopoulos GT, Papiris S, Light RW, Roussos C. Pneumothorax-associated pleural eosinophilia is tumour necrosis factor-alpha-dependent and attenuated by steroids. *Respirology*. 2008; 1: 73-8.
4. Hillas G., **Moschos C.**, Dimakou K., Vlastos F., Avgeropoulou S., Christakopoulou I., Rasidakis A., Bakakos P. Carcinoembryonic antigen, neuron-specific enolase and cytokeratin fragment 19 (CYFRA 21-1) levels in induced sputum of lung cancer patients. *Scand J Clin Lab Invest*. 2008 Feb 8:1-6.
5. Stathopoulos GT, **Moschos C**, Loutrari H, Kollintza A, Psallidas I, Karabela S, Magkouta S, Zhou Z, Papiris SA, Roussos C, Kalomenidis I. Zoledronic Acid is Effective Against Experimental Malignant Pleural Effusion. *Am J Respir Crit Care Med*. 2008 Jul 1;178(1):50-9.
6. Stathopoulos GT, Psallidas I, Moustaki A, **Moschos C**, Kollintza A, Karabela S, Porfyridis I, Vassiliou S, Karatza M, Zhou Z, Joo M, Blackwell TS, Roussos C, Graf D, Kalomenidis I. A central role for tumor-derived monocyte chemoattractant protein-1 in malignant pleural effusion. *J Natl Cancer Inst*. 2008 Oct 15;100(20):1464-76.
7. **Moschos C.**, Porfyridis I., Psallidas I., Kollintza A., Stathopoulos G.T., Papiris S., Roussos C., Kalomenidis I. Osteopontin is up-regulated in malignant and inflammatory pleural effusions. *Respirology*. 2009 ;14: 716-22.
8. **Moschos C**, Psallidas I, Kollintza A, Karabela S, Papapetropoulos A, Papiris S, Light RW, Roussos C, Stathopoulos GT, Kalomenidis. The angiopoietin/Tie2 axis mediates malignant pleural effusion formation. *Neoplasia*. 2009;11: 298-304.
9. Psallidas I, Karabela SP, **Moschos C**, Sherrill TP, Kollintza A, Magkouta S, Theodoropoulou P, Roussos C, Blackwell TS, Kalomenidis I, Stathopoulos GT. Specific effects of bortezomib against experimental malignant pleural effusion: a preclinical study. *Mol Cancer*. 2010;9: 56.
10. **Moschos C**, Psallidas I, Cottin T, Kollintza A, Papiris S, Roussos C, Stathopoulos GT, Giannis A, Kalomenidis I. A sulindac analogue is effective against malignant pleural effusion in mice. *Lung Cancer*. 2011;73(2):171-5.
11. Manali ED, **Moschos C**, Triantafillidou C, Kotanidou A, Psallidas I, Karabela SP, Roussos C, Papiris S, Armaganidis A, Stathopoulos GT, Maniatis NA. Static and dynamic mechanics of the murine lung after intratracheal bleomycin. *BMC Pulm Med*. 2011; 11:33.
12. Karabela SP, Kairi CA, Magkouta S, Psallidas I, **Moschos C**, Stathopoulos I, Zakyntinos SG, Roussos C, Kalomenidis I, Stathopoulos GT. Neutralization of tumor necrosis factor bioactivity ameliorates urethane-induced pulmonary oncogenesis in mice. *Neoplasia*. 2011 (12):1143-51.
13. Psallidas I, Stathopoulos GT, Maniatis NA, Magkouta S, **Moschos C**, Karabela SP, Kollintza A, Simoes DC, Kardara M, Vassiliou S, Papiris SA, Roussos C, Kalomenidis I.

Secreted phosphoprotein-1 directly provokes vascular leakage to foster malignant pleural effusion. *Oncogene*. 2013; 32(4):528-35.

14. Kollintza A, Magkouta S, Psallidas I, **Moschos C**, Stratiki M, Esquerda A, Porcel JM, Kalomenidis I. Interleukin-17A is involved in bacteria-related acute pleural inflammation. *Respirology*. 2013; 18(3):488-94.
15. Rovina N, Dima E, Psallidas I, **Moschos C**, Kollintza A, Kalomenidis I. Interleukin-18 is up-regulated in infectious pleural effusions. *Cytokine*. 2013;63(2):166-71.
16. Vazakidou ME, Magkouta S, **Moschos C**, Kalomenidis I. Mammalian target of rapamycin (mTOR) inhibition does not prevent lung adenocarcinoma-induced malignant pleural effusion. *Respirology*. 2013 Jul 2 [Epub ahead of print].

INVITED SPEAKER

Moschos Ch., Arsenis D., Hainis K. Case Report: "Pulmonary Abscess from *Pseudomonas Aeruginosa* in a patient with bronchial asthma exacerbation". 10th annual international congress of the Medical and Surgical Society of Corfu (sponsored by the ministry of external affairs). 2001.

Moschos Ch., Chilas G., Mpakakos P. "Whats new at the Diagnosis of Interstitial Lung Disease caused by Collagen Diseases". *Pneumon Medical Journal* vol 17,2b, March 2004. Presented at the 20th Postgraduate Seminar of the Greek Bronchologic Society 13-14 March 2004.

Moschos Ch., Avgeropoulou S., Chilas G., Mpakakos P. "Diffuse Alveolar Hemorrhage With Renal Failure" *Pneumon Medical Journal* vol 18,2b February 2005. resented at the 21st Postgraduate Seminar of the Greek Bronchologic Society 26-27 February 2005.

Moshos Ch, Stathopoulos G, Barnette R, Markozanes B, Light RW, Roussos C, Kalomenidis I. Eosinophils in the pleural cavity: clinical correlations in 1157 patients with pleural effusions. Abstract Book of the 14th Hellenic Congress for Respiratory Diseases (Thessaloniki, 2005): 24

Moshos Ch, Kollintza A, Psallidas I, Stathopoulos GT, Papis S, Roussos C, Kalomenidis I. Osteopontin Levels in Pleural Fluid and Serum in patients with pleural effusions. Abstract Book of the 16th Hellenic Congress for Respiratory Diseases (Athens, 2007): 52

Moschos Ch. «Drug induced Pleural Disease». 16th Annual Postgraduate Seminar of the Hellenic Thoracic society. «Pulmonary drug side-effects – Medical mistakes in the practice of clinical pulmonology»

Moschos Ch. «Imaging in pleural disease (CT-MRI-US)». Invited speaker, round table on "Diseases of the pleura". 18th Hellenic Congress for Respiratory Diseases (Thessaloniki, 26-29 November 2010).

Moschos Ch. «Transthoracic ultrasound». Continued medical education in respiratory medicine 5th year. 10/02/2010 “Sotiria” General Hospital for Chest Diseases, Athens.

Moschos Ch. «Chest tubes and drainage devices». Continued medical education in respiratory medicine 5th year. 17/02/2010 “Sotiria” General Hospital for Chest Diseases, Athens.

Moschos Ch. «Management of patients with pleural effusion: current knowledge-techniques». 18th Annual Postgraduate Seminar of the Hellenic Thoracic society. 01/03/2010.

Moschos Ch. «Transthoracic ultrasound in the management of patients with pleural disease». ». Invited speaker, round table on “Pleural diseases”. 11th postgraduate Seminar, Pulmonary Department, University of Ioannina. 26-29 May 2011.

Moschos Ch «Transthoracic Ultrasound for the investigation and treatment of malignant pleural effusion». Invited speaker, round table on “Malignant Pleural Effusion”. 20th Hellenic Congress for Respiratory Diseases (Athens, 24-27 November 2011).

Moschos Ch «Pleural Effusions-Diagnosis and Treatment» 10th Seminar for respiratory registrars of the Hellenic thoracic Society. 14-16 June 2012, Eretria, Greece.

Moschos Ch «Pleural effusion caused by pulmonary embolism. An overlooked entity». Invited speaker, round table on “Diseases of the Pleura”. 21th Hellenic Congress for Respiratory Diseases (Athens, 18-21 October 2012).

Moschos Ch «Fibrinolytics in pleural empyema». Pro-Con debate”. 21th Hellenic Congress for Respiratory Diseases (Athens, 18-21 October 2012).

Moschos Ch «Fibrinolytics in pleural sepsis». 12th postgraduate Seminar, Pulmonary Department, University of Ioannina. (Corfu 26-29 April 2013).

Moschos Ch «Pleurodesis: Clinical experience – Alternative methods». 22th Hellenic Congress for Respiratory Diseases (Athens, 5-8 December 2013).

SEMINARS:

“Hospital acquired infections Infections in the Clinic and in the ICU”

100 hrs total 17/3/2003-18/4/2003

Continued Medical Education Program, financed by the Ministry of Health and The European Union Social Fund.

“Office automation and medical practise organisation with the use of PC”. 40 hrs total Athens, 17/12/2003. Continued Medical Education Program, financed by the Ministry of Health and The European Union Social Fund

“Anticancer Chemotherapy”

40 hrs total 11/5/2004-7/6/2004

Continued Medical Education Program, financed by the Ministry of Health and The European Union Social Fund.

“Treatment of uncommon infections in the ICU”

40 hrs total 21/2/2005-17/3/2005

Continued Medical Education Program, financed by the Ministry of Health
And The European Union Social Fund.

“Use of internet and electronic information diffusion”

60 hrs total 16/1/2006-20/2/2006

Continued Medical Education Program, financed by the Ministry of Health And The
European Union Social Fund.

Completed PreHospital Emergency Care Training. 13th annual program 2006-2007, by the
Greek National Ambulance Service.

**Completed level 1 transthoracic ultrasound training according to the guidelines of
the British Thoracic Society at the Churchill hospital in Oxford England. Supported
by an ERS Short Term Training Fellowship (No 454).**

Conducted four daily Seminars «Thoracic Ultrasound for the pulmonologist» with invited
speakers from the UK. The only ones of their kind in Greece. All of them were booked in
advance months before.

Reviewer

- Reviewer for Respirology (journal of the Asian Pacific Society of Respirology) medical
journal **IF: 2.416.**

CHAIRS

Chairman at the “Pleural Diseases” session of the 16th annual Congress of the Hellenic
Thoracic Society, Athens 2007.

Chairman of the oral presentation session on pleural disease. 18th Hellenic Congress for
Respiratory Diseases (Thessaloniki, 26-29 November 2010).

Chairman at the oral session “What’s new in the pathophysiology of pleural disease”. 21th
Hellenic Congress for Respiratory Diseases (Athens, 18-21 October 2012).

Chairman of the oral presentation session on pleural disease. 22th Hellenic Congress for
Respiratory Diseases (Athens, 5-7 December 2013).

Books

P. Bakakos, C. Moschos Malignant pleural effusion. Atlas of thoracic oncology p.151-158.
Parisianos editions.

SCHOLARSHIPS

Awarded an ERS Short Term Training Fellowship 454 to receive Level 1 Thoracic
Ultrasound Training for Pulmonologists.