

CURRICULUM VITAE

I. PERSONAL DETAILS

Name: KOTANIDOU ANASTASIA
Associate Professor
Medical School, University of Athens
Critical Care Department
“Evangelismos’ General Hospital
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Date of birth: 31st March, 1958

Place of birth: Sofia, Bulgaria

Marital status: Married, one daughter

Languages: Greek, English, Bulgarian, Russian

II. EDUCATION – POST-GRADUATE EDUCATION

- 1964-1976: 24th School (Elementary, High School) Sofia, Bulgaria
- 1976-1982: Medical School, University of Sofia, Bulgaria
- 1982-1983: Pediatric Department of BINTIN Hospital, Bulgaria
- 1984-1985: Specialization in Internal Medicine, Hospital of Infections, Athens.
Director: Dr. Kalafatas
- 1985-1988: Specialization in Pneumology, “Evangelismos” Hospital. Director:
Prof. N. Siafakas
- 1989-1999: Attending Physician, Critical Care Dept., “Evangelismos” Hospital,
University of Athens. Director: Prof. Ch. Roussos. During this
period, I followed post-graduate studies for 7 months (1993) as
Research Fellow at the Johns Hopkins University, Baltimore MD,
USA and conducted research in the inhibition of sepsis in rats.
- 1996-2002: Instructor, Medical School, University of Athens, Critical Care
Dept., “Evangelismos” Hospital. Director: Prof. Ch. Roussos.
- 2002: Assistant Professor, Medical School, University of Athens, Critical
Care Dept., “Evangelismos” Hospital. Director: Prof. Ch. Roussos.

III. DEGREES

- 1982: M.D. Medical School, University of Sofia, Bulgaria (Graded: Very
Good)

1993: Ph.D. Thesis (Graded Excellent) entitled: ‘Consequences of PEEP in intubated patients with normal or reduced cardiac output’, Medical School, University of Athens.

IV. LICENCES

1984: Certified physician.

1989: Certified specialist in Pneumology.

1994: Certified specialist in Critical Care Medicine.

V. HOSPITAL AND UNIVERSITY APPOINTMENTS

1989-1999: Attending Physician: Critical Care Department, “Evangelismos” Hospital

1996-today: Instructor: Medical School, University of Athens, “Evangelismos” Hospital.

2002: Assistant Professor, Medical School, University of Athens, “Evangelismos” Hospital.

VI. MEMBERSHIPS

1. Greek Medical Association
2. Hellenic Thoracic Society
3. Greek Bronchologic Society
4. Hellenic Society of Critical Care Medicine
5. Hellenic Society of Studies in Disturbances in Sleep
6. European Society of Transplantation
7. European Society of Intensive Care Medicine
8. American Association for the Advancement of Science

VII. AWARDS - GRANDS

- 1993: 1st award for the project entitled: “In multi-organ failure syndrome, cytokines are produced by the organs after the first sepsis episode”, 4th Panhellenic Intensive Care Meeting
- 1998-2000: EPET: “Premature inhibition of sepsis: development of interventional methods in the molecular mechanisms of signal transduction (tyrosin kinases and ROS). Scientific advisor: Prof. Ch. Roussos.
Member of research group: A. Kotanidou
- 2000: 1st award for the project entitled: “Luteolin Reduces LPS-induced Toxicity and Pro-inflammatory Molecule Expression in Mice”, 5th State of the Art, Athens

VIII. PARTICIPATION IN SCIENTIFIC MEETINGS

- A) Participation
- Greek meetings: 2
- International meetings: 2
- B) Participation in meetings with presentation of scientific paper:
- Greek meetings: 43
- International meetings: 38
- C) Chairman in meetings
- Greek meetings: 15
- International meetings: 2
- D) Invitations to lectures: 11
1. 4/1994 Chronic Obstructive Pulmonary Disease: 10th Postgraduate Seminar, Greek Bronchologic Society, Athens. Infections in AIDS patients.
 2. 4/1994 Infections in immunocompromised patients (non-AIDS patients): 10th Postgraduate Seminar, Greek Bronchologic Society, Athens.
 3. 3/1995 Diffuse/disseminated intravascular coagulation: Scientific Assembly, “Evangelismos” Hospital, Athens.
 4. 4/1994 “Chronic Pneumonia”: Round Table, 12th Postgraduate Seminar, Greece ‘Multiple organ failure syndrome’ Postgraduate courses in the Dept. of Haematology, “Evangelismos” Hospital.
 5. April 1998. ‘Acute pulmonary injury and ARDS – Diagnosis’. Round table, 14th Postgraduate Seminar, Greek Bronchologic Society.
 6. 1999 Postgraduate courses in the Dept. of Maxillofacial Surgery, “Evangelismos” Hospital

7. January 1999. “Pulmonary embolism” Round table, 7th Annual Seminar “Acute Respiratory Failure”, Hellenic Thoracic Society
8. March 1999. 4th Annual Seminar of Continuous Medical Education. “Molecular and biochemical induction of the septic signal”, “Evangelismos” Hospital, Scientific Assembly of “Evangelismos” Hospital.
9. October 1999. Chairman at round table “Infections in the ICU”, 7th Panhellenic Intensive Care Meeting
10. 2/2000 Severe drug poisoning, 5th Annual Seminar of Continuous Medical Education, “Evangelismos” Hospital.
11. 2001 Chairman, round table “Sepsis and complications”, 22nd Panhellenic Meeting in Surgery.

IX. EDITORIAL EXPERIENCE

Editor:

Roussos Ch. Intensive Care, 2nd Edition, Volumes I, II, III. Roussos Ch., Kotanidou A., Koutsoukou A., Orfanos S., Pitaridis M., Floros I. (Editorial Committee), Paschalidis Publications Athens 2000.

Author of books and monographs:

- Kotanidou A.: “The influence of PEEP in patients with mechanical ventilation with or without heart failure” Thesis, Athens, 1993
- Kotanidou A., Roussos Ch. “Pulmonary embolism” chapter in “INTERNAL MEDICINE” by Prof. S. Raptis (Parisianos publications, Athens 1997, vol.1)

- Kotanidou A. “Pulmonary embolism” chapter in “INTENSIVE CARE” by Prof. Ch. Roussos (Paschalidis publications, Athens, vol.1)
- Kotanidou A. “Lipid embolism”, chapter in “INTENSIVE CARE” by Prof. Ch. Roussos (Paschalidis publications, Athens 1998, vol.1)
- Kotanidou A. “Injuries from electrocution” chapter in “INTENSIVE CARE” by Prof. Ch. Roussos (Paschalidis publications, Athens 1998, vol.3)
- Kotanidou A., Koutsoukou A. “Anaphylaxis”, chapter in “INTENSIVE CARE” by Prof. Ch. Roussos (Paschalidis publications, Athens 1998, vol.3)
- Kotanidou A. “CVVH”, chapter in “Continuous education in Anesthesiology” 1999

XI. INTERNATIONAL COLLABORATION

Collaboration in research and clinical issues with Prof. A. Togias, Division of Clinical Immunology, Department of Medicine, Johns Hopkins University, Baltimore, USA.

XII. ORGANIZATIONAL – ADMINISTRATIVE EXPERIENCE

Organization, on a weekly basis, of research seminars of the Intensive Care Department, University of Athens, “Evangelismos” Hospital.

Organization, on a weekly basis, of the “Thoracic Seminars” of the Intensive Care Dept., University of Athens, “Evangelismos” Hospital.

A) Organization of labs

Molecular Biology Lab “G.P. Livanos”

Experimental surgery room, ‘Evangelismos’ Hospital

B) Member of Evaluation / Examination committee

Member of 5th SKEIOPNI for Attending Physicians, Children’s Hospitals, Athens

XV. RESEARCH

Armaganidis A., Kotanidou A., Roussos Ch. Mechanical Ventilation in Circulatory Failure; Yearbook of Intensive Care and Emergency Medicine. Vincent JL (ed.), Springer-Verlag, Berlin 1995.

Orfanos S., Kotanidou A., Roussos Ch.: Pulmonary endothelial angiotensin converting enzyme activity in lung injury; Yearbook of Intensive Care and Emergency Medicine. Vincent JL (ed.), Springer-Verlag, Berlin 2001.

Orfanos S., Koutsoukou A., Maurommati I., Pseudi A., Korovesi J., Kotanidou A., Roussos Ch.: Clinical pathology of ARDS; in Disease Markers in Exhaled Breath: Basic mechanisms and clinical applications. Edited by Yacoub M and Marzin N, IOS press, Amsterdam (in press)

Xagorari A., Kotanidou A., Roussos Ch., Papapetropoulos A. in Disease Markers in Exhaled Breath: Basic mechanisms and clinical applications. Edited by Yacoub M and Marzin N IOS press, Amsterdam (in press)

1. Hadjigianakis E., Drakopoulos S., Lakoumenta R., Kotanidou A., Delis K., Papasteriadou C., Koniavitou K., Raptis S.
Start of a new program in Liver Grafting: the first two successful cases.
Transplantation Proceedings 1993; 25(3):2209-10
2. Nakos G., Zakyntinos S., Kotanidou A., Tsagaris H., Roussos Ch.
Tracheal gas insufflation reduced the tidal volume while PaCO₂ is maintained constant.
Intensive Care Med 1994; 20(6): 407-13
3. Kotanidou A., Choi A., Winchurch R., Otterbein L., Fessler H.
Urethane anesthesia protects rats against lethal endotoxemia and reduces TNF- α release
J Appl Physiol 1996 Nov; 81(5): 2305-11
4. Douzinas E., Andrianakis I., Giamarellos E., Sfyras D., Kotanidou A., Roussos Ch.
The effect of immunoglobulins and of LPS serum level infection rate and on serum bacterial activity
Anaesthesia Pain Intensive Care and Emergency Medicine (selected paper) (APICEM) A. Gullo Eds. 1996 173-6
5. Kotanidou A., Armaganidis A., Zakyntinos S., Mavrommatis A., Roussos Ch.
Changes in thoracopulmonary compliance and hemodynamic effects of positive end-expiratory pressure in patients with and without heart failure.

J Crit Care 1997;12(3): 101-111.

6. Mavrommatis A., Theodoridis Th., Ekonomou M., Kotanidou A., El Ali M, Kokkinou V., Zakyntinos S.

Activation of the fibrinolytic system and utilization of the coagulation in sepsis: comparison with severe sepsis and septic shock.

Intensive Care Med 2001, Dec 27912); 1853-9

7. Politis P., Zakyntinos E., Kotanidou A., Andrianakis I., Roussos Ch. Propofol does not provoke lethal syndrome (letter).

Lancet 2001, 357 (9269): 1708-1710

8. Papiris S., Kotanidou A., Malagari K., Roussos Ch.

Clinical review: severe asthma

Crit Care. 2002 Feb;6(1):30-44. Epub 2001 Nov 22. Review

9. Kotanidou A., Xagorari A., Bagli E., Murphyj C., Fotsis Th., Papapetropoulos A., Roussos Ch.

Luteolin reduces LPS-induced lethal toxicity and expression of pro-inflammatory molecules in mice

Am J Respir Crit Care Med 2004

10. Andrianakis I., Kotanidou A., Pitaridis M., Saroglou G., Exarhos D., Roussos Ch, Bellenis I.

Life-threatening bilateral empyemas and mediastinitis complicating infectious mononucleosis

Intensive Care Med May; 28(5):663-4. Epub 2002 Apr 4. No abstract available

11. Kotanidou A., Zakyntinos E., Zervakis D., Andrianakis I., Pappa V., Rontogianni, Dervenoulas I., Pitaridis M., Douzinas E., Roussos Ch.

Aspergillus fumigatus endocarditis on a normal heart valve in young woman with TTP

Inten Care Med. 2004

12. Zisis H., Kotanidou A., Peppas Ch., Orfanos S, Papadomichelakis E, Petrof G, Bellenis I.

Medical and surgical treatment for Invasive Pulmonary Aspergillosis in Patients with Immunosuppression

Eur J. Intern Med (under revision)

13. Kotanidou A., Andrianakis I., Mavrommatis A., Politis P., Roussos Ch, Bellenis I.

Mediastinal mass with dysphagia in an elderly patient

Infection 2004

14. Andrianakis IA, Papadomichelakis ED, Kotanidou AN.

Conditions associated with ST-segment elevation.

N Engl J Med. 2004 Mar 11; 350(11):1152-5; author reply 1152-5. No abstract available

15. Exarhos DN, Malagari K, Tsatalou EG, Benakis SV, Peppas C, Kotanidou A, Chondros D, Roussos C.

Acute mediastinitis: spectrum of computed tomography findings.
Eur Radiol. 2005 Aug; 15(8):1569-74. Epub 2004 Dec 31

16. Roviezzo F, Tsigkos S, Kotanidou A, Bucci M, Brancaleone V, Cirino G, Papapetropoulos A.

Angiopietin-2 causes inflammation in vivo by promoting vascular leakage
J Pharmacol Exp Ther. 2005 Aug; 314(2):738-44. Epub 2005 May 3

17. Koroneos A, Dedeilias P, Routsis C, Kotanidou A, Andrianakis I, Floros I, Pitaridis M, Roussos C.

Coronary artery bypass graft surgery for persistent weaning failure.
Intensive Care Med. 2005 Mar; 31(3):491-2. Epub 2005 Jan 27

18. Tsigkos S, Zhou Z, Kotanidou A, Fulton D, Zakyntinos S, Roussos C, Papapetropoulos A

Regulation of Ang2 release by PTEN/PI3-kinase/Akt in lung microvascular endothelial cells

J Cell Physiol. 2006 May; 207(2):506-11.

19. EJ Giamarellos-Bourboulis, Ch Routsis, D Plachouras, V Markaki, M Raftogiannis, D Zervakis, V Koussoulas, S Orfanos, A Kotanidou, A Armaganidis
Early apoptosis of blood monocytes as a mechanism of protection of the septic host

Crit Care 2006;10 (3):R76. Epub 2006 May 12

20. Tzanela M, Orfanos SE, Tsirantonaki M, Kotanidou A, Sotiropoulou Ch, Christophoraki M, Vassiliadi D, Thalassinos NC, Roussos Ch.
Leptin alterations in the course of sepsis in humans.
In Vivo. 2006 Jul-Aug;20(4):565-70
21. A Kotanidou, H Loutrari, E Papadomichelakis, C Glynos, Ch Magkou, A Armaganidis, A Papapetropoulos, Ch Roussos, SE. Orfanos
Inhaled activated protein C attenuates lung injury induced by aerolized endotoxin in mice
Vascular pharmacology 2006 Aug;45(2):134-40. Epub 2006 Jul 25
22. Alexopoulou L, Kranidioti X, Xanthoulea S, Denis M, Kotanidou A, Douni E, Blackshear P, Kontoyiannis D, Kollias G
Transmembrane TNF protects mutant mice against intracellular bacterial infections, chronic inflammation and autoimmunity
Eur J Immunol. 2006 Oct;36(10):2768-80
23. Koutsoukou A, Perraki H, Raftopoulou A, Koulouris N, Sotiropoulou C, Kotanidou A, Orfanos S, Roussos C.
Respiratory mechanics in brain-damaged patients.
Intensive Care Med. 2006 Dec;32(12):1947-54. Epub 2006 Oct 20
24. Orfanos SE, Kotanidou A, Glynos C, Athanasiou C, Tsigkos S, Dimopoulou I,

Sotiropoulou C, Zakyntinos S, Armaganidis A, Papapetropoulos A, Roussos C.

Angiopoietin-2 is increased in severe sepsis: correlation with inflammatory mediators.

Crit Care Med. 2007 Jan;35(1):199-206. Erratum in: Crit Care Med. 2007 Apr;35(4):1224.

25. Dimopoulou I, Alevizopoulou P, Dafni U, Orfanos S, Livaditi O, Tzanela M,

Kotanidou A, Souvatzoglou E, Kopterides P, Mavrou I, Thalassinos N, Roussos C, Armaganidis A, Tsagarakis S.

Pituitary-adrenal responses to human corticotropin-releasing hormone in critically ill patients.

Intensive Care Med. 2007 Mar;33(3):454-9. Epub 2006 Dec 22.

26. Glynos C, Kotanidou A, Orfanos SE, Zhou Z, Simoes DC, Magkou C, Roussos C,

Papapetropoulos A.

Soluble guanylyl cyclase expression is reduced in LPS-induced lung injury.

Am J Physiol Regul Integr Comp Physiol. 2007 Apr;292(4):R1448-55. Epub 2007 Jan

27. Oikonomou N, Harokopos V, Zalevsky J, Valavanis C, Kotanidou A, Szymkowski DE, Kollias G, Aidinis V.

Soluble TNF mediates the transition from pulmonary inflammation to fibrosis.

PLoS ONE. 2006 Dec 27;1:e108

28. Gerassimou C, Kotanidou A, Zhou Z, Simoes DC, Roussos C, Papapetropoulos A.

Regulation of the expression of soluble guanylyl cyclase by reactive oxygen species.

Br J Pharmacol. 2007 Apr;150(8):1084-91. Epub 2007 Mar 5. Erratum in: Br J Pharmacol. 2007 Apr;150(8):1092. Simoes, D D C [corrected to Simoes, D C M].

29. Livaditi O, Kotanidou A, Psarra A, Dimopoulou I, Sotiropoulou C, Augustatou K, Papasteriades C, Armaganidis A, Roussos C, Orfanos SE, Douzinas EE.

Neutrophil CD64 expression and serum IL-8: sensitive early markers of severity and outcome in sepsis.

Cytokine. 2006 Dec;36(5-6):283-90. Epub 2007 Mar 26

30. Dimopoulou I, Orfanos S, Kotanidou A, Livaditi O, Giamarellos-Bourboulis E, Athanasiou C, Korovesi I, Sotiropoulou C, Kopterides P, Ilias I, Kanellakopoulou K, Armaganidis A.

Plasma pro- and anti-inflammatory cytokine levels and outcome prediction in unselected critically ill patients.

Cytokine. 2008 Jan 9; [Epub ahead of print]

31. Giamarellos-Bourboulis EJ, Dimopoulou I, Kotanidou A, Livaditi O, Pelekanou A, Tsagarakis S, Armaganidis A, Orfanos SE.

Epsilon-x-vivo effect of dexamethasone on cytokine production from whole blood of septic patients: Correlation with disease severity.

Cytokine. 2009 Sep 22. [Epub ahead of print]

32. Tsimogianni AM, Papiris SA, Kanavaki S, Stathopoulos GT, Sotiropoulou C, Manali ED, Michalopoulou P, Roussos C, Kotanidou A.
Predictors of positive sputum cultures in exacerbations of chronic obstructive pulmonary disease.
Respirology. 2009 Nov;14(8):1114-20. Epub 2009 Sep 16.
33. Kolovou GD, Mihas C, Kotanidou A, Dimoula Y, Karkouli G, Kadda O, Anagnostopoulou K, Mikhailidis DP, Marvaki C.
Mortality after first myocardial infarction in Greek patients: a 4-year follow-up study.
Angiology. 2009 Oct-Nov;60(5):582-7. Epub 2009 Aug 10.
34. Tsimogianni AM, Papiris SA, Stathopoulos GT, Manali ED, Roussos C, Kotanidou A. Predictors of outcome after exacerbation of chronic obstructive pulmonary disease.
J Gen Intern Med. 2009 Sep;24(9):1043-8. Epub 2009 Jul 14.
35. Kranidioti H, Orfanos SE, Vaki I, Kotanidou A, Raftogiannis M, Dimopoulou I, Kotsaki A, Savva A, Papapetropoulos A, Armaganidis A, Giamarellos-Bourboulis EJ.
Angiopietin-2 is increased in septic shock: evidence for the existence of a circulating factor stimulating its release from human monocytes.
Immunol Lett. 2009 Jun 30;125(1):65-71. Epub 2009 Jun 17.
36. Vasileiadis I, El-Ali M, Nanas S, Koliass S, Zacharatos P, Christopoulou-Cokkinou V, Kotanidou A.
First diagnosis of factor XI deficiency in a patient with subarachnoid haemorrhage.
Blood Coagul Fibrinolysis. 2009 Jun;20(4):309-13.
37. Oikonomou N, Thanasopoulou A, Tzouvelekis A, Harokopos V, Paparountas T, Nikitopoulou I, Witke W, Karameris A, Kotanidou A, Bouros D, Aidinis V.
Gelsolin expression is necessary for the development of modelled pulmonary inflammation and fibrosis.

Thorax. 2009 Jun;64(6):467-75. Epub 2009 Feb 12.

38. Maniatis NA, Harokopos V, Thanassopoulou A, Oikonomou N, Mersinias V, Witke W, Orfanos SE, Armaganidis A, Roussos C, Kotanidou A, Aidinis V.

A critical role for gelsolin in ventilator-induced lung injury.

Am J Respir Cell Mol Biol. 2009 Oct;41(4):426-32. Epub 2009 Feb 6.

39. Dimopoulou I, Orfanos SE, Pelekanou A, Kotanidou A, Livaditi O, Augustatou C, Zervou M, Douka E, Theodorakopoulou M, Karagianni V, Douzinas E, Armaganidis A, Giamarellos-Bourboulis EJ.

Serum of patients with septic shock stimulates the expression of Trem-1 on U937 monocytes.

Inflamm Res. 2009 Mar;58(3):127-32.

40. Kotanidou A, Karsaliakos P, Tzanela M, Mavrou I, Kopterides P, Papadomichelakis E, Theodorakopoulou M, Botoula E, Tsangaris I, Lignos M, Ikonomidis I, Ilias I, Armaganidis A, Orfanos SE, Dimopoulou I.

Prognostic importance of increased plasma amino-terminal pro-brain natriuretic peptide levels in a large noncardiac, general intensive care unit population.

Shock. 2009 Apr;31(4):342-7.

41. Zhou Z, Pyriochou A, Kotanidou A, Dalkas G, van Eickels M, Spyroulias G, Roussos C, Papapetropoulos A.

Soluble guanylyl cyclase activation by HMR-1766 (ataciguat) in cells exposed to oxidative stress.

Am J Physiol Heart Circ Physiol. 2008 Oct;295(4):H1763-71. Epub 2008 Aug 29.

42. Maniatis NA, Kotanidou A, Catravas JD, Orfanos SE.

Endothelial pathomechanisms in acute lung injury.

Vascul Pharmacol. 2008 Oct-Dec;49(4-6):119-33. Epub 2008 Jul 29. Review.

43. Dimopoulou I, Tzanela M, Vassiliadi D, Mavrou I, Kopterides P, Orfanos S, Kotanidou A, Kontogiannopoulou S, Vasdekis S, Tsangaris I, Armaganidis A, Macheras A, Ilias I, Kostopanagiotou G, Tsagarakis S.

Pituitary-adrenal responses following major abdominal surgery.
Hormones (Athens). 2008 Jul-Sep;7(3):237-42.

44. Pratikaki M, Platsouka E, Sotiropoulou C, Douka E, Paramythiotou E, Kaltsas P, Kotanidou A, Paniara O, Roussos C, Routsis C.

Epidemiology, risk factors for and outcome of candidaemia among non-neutropenic patients in a Greek intensive care unit.

Mycoses. 2009 Sep 30. [Epub ahead of print]

45. Giamarellos-Bourboulis EJ, Pechère JC, Routsis C, Plachouras D, Kollias S, Raftogiannis M, Zervakis D, Baziaka F, Koronaios A, Antonopoulou A, Markaki V, Koutoukas P, Papadomichelakis E, Tsaganos T, Armaganidis A, Koussoulas V, Kotanidou A, Roussos C, Giamarellou H.

Effect of clarithromycin in patients with sepsis and ventilator-associated pneumonia.
Clin Infect Dis. 2008 Apr 15;46(8):1157-64.