



Anthony G. Doufas, M.D., Ph.D.

Professor of Anesthesiology, Perioperative and Pain Medicine at the Stanford University Medical Center

CLINICAL OFFICES

- **Anesthesia**

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Bio

CLINICAL FOCUS

- Anesthesia
- Neurosurgical Anesthesia

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Anesthesiology, Perioperative and Pain Medicine
- Member, Stanford Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Board of Directors, Society of Anesthesia and Sleep Medicine, (2015- present)
- Treasurer, Society of Anesthesia and Sleep Medicine, (2017- present)
- Chair, Research Committee, Society of Anesthesia and Sleep Medicine, (2015- present)
- Associate Editor, Anesthesia & Analgesia, International Anesthesia Research Society (IARS), (2014- present)
- Chair, Abstract Subcommittee, Society of Anesthesia and Sleep Medicine, (2013-2015)
- Member, Research Committee, Society of Anesthesia and Sleep Medicine, (2012- present)
- Member, Abstract Subcommittee, Society of Anesthesia and Sleep Medicine, (2012-2013)
- Associate Editor, International Society for Anaesthetic Pharmacology, (2011- present)
- Charter Member, Society of Anesthesia and Sleep Medicine, (2011- present)
- Section Editor for Anesthetic Pharmacology, Current Anesthesiology Reports, (2011-2014)
- Associate Editor, Anesthesia & Analgesia, International Anesthesia Research Society (IARS), (2008-2011)
- Committee Member, Task Force for Obstructive Sleep Apnea, Stanford Hospital and Clinics, (2007- present)
- Director of Research, Department of Anesthesiology and Perioperative Medicine, University of Louisville, (2004-2006)

HONORS AND AWARDS

- Research Award, Hellenic Hepatological Society (1997)
- Research Award, Hellenic Society of Intensive Care Medicine (1997)
- Research Award, Hellenic Society of Vascular Surgery (1997)
- Research Award, Hellenic Endocrine Society (1998)
- Research Award, European Society of Vascular Surgery (1998)
- Research Award, International Union of Angiology (2001)
- Research Award, 28th Atlantic Anesthesiology Residents Research Conference (2002)
- Research Award, Department of Anesthesia, Stanford University School of Medicine (2008)
- Research Award, Department of Anesthesia, Stanford University School of Medicine (2011)

PROFESSIONAL EDUCATION

- Fellowship: UCSF Anesthesiology Residency and Fellowship Training (2000) CA
- Residency: University of Athens Medical School (1997) Greece
- Internship: University of Athens Medical School (1993) Greece
- Medical Education: Aristotle University of Thessaloniki (1991) Greece
- Postdoctoral Research Fellowship, Department of Anesthesia, UCSF , Perioperative Thermoregulation (2000)
- PhD, University of Athens, Greece , Endocrinology (1999)
- Residency, University of Athens, Greece , Anesthesiology (1997)
- MD, Aristotle University, Greece , Medicine (1991)

COMMUNITY AND INTERNATIONAL WORK

- Charter Member, Society of Anesthesia and Sleep Medicine
- Associate Editor, Anesthesia & Analgesia

LINKS

- Clinical Anesthesia Research at Stanford: <http://med.stanford.edu/anesthesia/research/clinical.html#doufas>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research focuses on the relationship between sleep abnormalities and pain behavior and opioid pharmacology in the postoperative, as well as chronic pain setting. More specifically, I am interested in delineating the effect of the different components of sleep-disordered breathing, like nocturnal recurrent hypoxemia and sleep fragmentation on pain behavior in the acute and/or chronic care setting.

CLINICAL TRIALS

- Evaluation of a Closed-Loop Control System for Administering Patient-Specific Anesthesia, Not Recruiting
- Measured Hypocretin Levels and Recovery After Hip Surgery, Not Recruiting
- Study of Pain Processing in Subjects Suffering From Obstructive Sleep Apnea, Not Recruiting
- The Effect of Obstructive Sleep Apnea on Medical Outcomes After Gastric Bypass Surgery, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Insomnia From Drug Treatments: Evidence From Meta-analyses of Randomized Trials and Concordance With Prescribing Information.** *Mayo Clinic proceedings*
Doufas, A. G., Panagiotou, O. A., Panousis, P., Wong, S. S., Ioannidis, J. P.
2017; 92 (1): 72-87
- **Chronic Intermittent Hypoxia Is Independently Associated with Reduced Postoperative Opioid Consumption in Bariatric Patients Suffering from Sleep-Disordered Breathing** *PLOS ONE*
Turan, A., You, J., Egan, C., Fu, A., Khanna, A., Eshraghi, Y., Ghosh, R., Bose, S., Qavi, S., Arora, L., Sessler, D. I., Doufas, A. G.
2015; 10 (5)
- **Relationship between Chronic Intermittent Hypoxia and Intraoperative Mean Arterial Pressure in Obstructive Sleep Apnea Patients Having Laparoscopic Bariatric Surgery.** *Anesthesiology*
Turan, A., You, J., Egan, C., Fu, A., Gazmuri, I., Khanna, A., Eshraghi, Y., Ghosh, R., Bose, S., Qavi, S., Arora, L., Sessler, D. I., Doufas, et al
2015; 122 (1): 64-71
- **Chronic intermittent hypoxia is independently associated with reduced postoperative opioid consumption in bariatric patients suffering from sleep-disordered breathing.** *PloS one*
Turan, A., You, J., Egan, C., Fu, A., Khanna, A., Eshraghi, Y., Ghosh, R., Bose, S., Qavi, S., Arora, L., Sessler, D. I., Doufas, A. G.
2015; 10 (5)
- **Nocturnal Intermittent Hypoxia Is Independently Associated with Pain in Subjects Suffering from Sleep-disordered Breathing.** *Anesthesiology*
Doufas, A. G., Tian, L., Davies, M. F., Warby, S. C.
2013; 119 (5): 1149-1162
- **Bispectral Index Dynamics During Propofol Hypnosis Is Similar in Red-Haired and Dark-Haired Subjects** *ANESTHESIA AND ANALGESIA*
Doufas, A. G., Orhan-Sungur, M., Komatsu, R., Lauber, R., Akca, O., Shafer, S. L., Sessler, D. I.
2013; 116 (2): 319-326
- **Experimental Pain and Opioid Analgesia in Volunteers at High Risk for Obstructive Sleep Apnea** *PLOS ONE*
Doufas, A. G., Tian, L., Padrez, K. A., Suwanprathes, P., Cardell, J. A., Maecker, H. T., Panousis, P.
2013; 8 (1)
- **Concordance of Sleep and Pain Outcomes of Diverse Interventions: An Umbrella Review** *PLOS ONE*
Doufas, A. G., Panagiotou, O. A., Ioannidis, J. P.
2012; 7 (7)
- **Ventilator-associated pneumonia in critically ill stroke patients: Frequency, risk factors, and outcomes** *JOURNAL OF CRITICAL CARE*
Kasuya, Y., Hargett, J. L., Lenhardt, R., Heine, M. F., Doufas, A. G., Rimmel, K. S., Ramirez, J. A., Akca, O.
2011; 26 (3): 273-279
- **Reinforcement Learning Versus Proportional-Integral-Derivative Control of Hypnosis in a Simulated Intraoperative Patient** *ANESTHESIA AND ANALGESIA*
Moore, B. L., Quasny, T. M., Doufas, A. G.
2011; 112 (2): 350-359
- **Reinforcement Learning: A Novel Method for Optimal Control of Propofol-Induced Hypnosis** *ANESTHESIA AND ANALGESIA*
Moore, B. L., Doufas, A. G., Pyeatt, L. D.
2011; 112 (2): 360-367

- **An Adaptive Neural Network Filter for Improved Patient State Estimation in Closed-Loop Anesthesia Control** *23rd IEEE International Conference on Tools with Artificial Intelligence (ICTAI)*
Borera, E. C., Moore, B. L., Doufas, A. G., Pyeatt, L. D.
IEEE COMPUTER SOC.2011: 41-46
- **The Performance of Compartmental and Physiologically Based Recirculatory Pharmacokinetic Models for Propofol: A Comparison Using Bolus, Continuous, and Target-Controlled Infusion Data** *ANESTHESIA AND ANALGESIA*
Masui, K., Upton, R. N., Doufas, A. G., Coetzee, J. F., Kazama, T., Mortier, E. P., Struys, M. M.
2010; 111 (2): 368-379
- **The Hippocratic Paradigm in Medicine: Origins of the Clinical Encounter** *ANESTHESIA AND ANALGESIA*
Doufas, A. G., Saidman, L. J.
2010; 110 (1): 4-6
- **Neuromuscular Block Differentially Affects Immobility and Cortical Activation at Near-Minimum Alveolar Concentration Anesthesia** *ANESTHESIA AND ANALGESIA*
Doufas, A. G., Komatsu, R., Orhan-Sungur, M., Sengupta, P., Wadhwa, A., Mascha, E., Shafer, S. L., Sessler, D. I.
2009; 109 (4): 1097-1104
- **Automated Responsiveness Monitor to Titrate Propofol Sedation** *ANESTHESIA AND ANALGESIA*
Doufas, A. G., Morioka, N., Mahgoub, A. N., Bjorksten, A. R., Shafer, S. L., Sessler, D. I.
2009; 109 (3): 778-786
- **Fuzzy Control for Closed-Loop, Patient-Specific Hypnosis in Intraoperative Patients: A Simulation Study** *Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society*
Moore, B. L., Pyeatt, L. D., Doufas, A. G.
IEEE.2009: 3083-3086
- **Lower-body warming mimics the normal epidural-induced reduction in the shivering threshold** *ANESTHESIA AND ANALGESIA*
Doufas, A. G., Morioka, N., Maghoub, A. N., Mascha, E., Sessler, D. I.
2008; 106 (1): 252-256
- **Influence of administration rate on propofol plasma - Effect site equilibration** *13th Annual Meeting of the International-Society-of-Anesthetic-Pharmacology*
Struys, M. M., Coppens, M. J., De Neve, N., Mortier, E. P., Doufas, A. G., Van Bocxlaer, J. F., Shafer, S. L.
LIPPINCOTT WILLIAMS & WILKINS.2007: 386-96
- **Sitting position does not alter minimum alveolar concentration for desflurane** *CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE*
Lin, C., Wu, C., Lee, S., Lui, T., Huang, C., Li, A. H., Doufas, A. G.
2007; 54 (7): 523-530
- **Tissue oxygenation response to mild hypercapnia during cardiopulmonary bypass with constant pump output** *BRITISH JOURNAL OF ANAESTHESIA*
Akca, O., Sessler, D. I., Delong, D., Keijner, R., Ganzel, B., Doufas, A. G.
2006; 96 (6): 708-714
- **Postoperative coma in a patient with complete basilar syndrome after anterior cervical discectomy** *CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE*
Tsai, Y. F., Doufas, A. G., Huang, C. S., Liou, F. C., Lin, C. M.
2006; 53 (2): 202-207
- **Effects of dexamine on lipid peroxidation during aortic surgery in pigs: Comparison with dopamine** *EUROPEAN JOURNAL OF VASCULAR AND ENDOVASCULAR SURGERY*
Kostopanagiotou, G., Pandazi, A., Andreadou, I., Doufas, A., Chondroudaki, I., Kotsis, T., Rizos, D., Costopanagiotou, C., Smyrniotis, V.
2005; 30 (6): 648-653
- **Recurrent seizure activity after epidural morphine in a post-partum woman** *CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE*
SHIH, C. J., Doufas, A. G., Chang, H. C., Lin, C. M.
2005; 52 (7): 727-729
- **Magnesium sulphate only slightly reduces the shivering threshold in humans** *16th Annual Meeting of the American-Society-of-Critical-Care-Anesthesiologists*

Wadhwa, A., Sengupta, P., Durrani, J., Akca, O., Lenhardt, R., Sessler, D. I., Doufas, A. G.
OXFORD UNIV PRESS.2005: 756-62

- **The timing of acupuncture stimulation does not influence anesthetic requirement** *ANESTHESIA AND ANALGESIA*
Chernyak, G., Sengupta, P., Lenhardt, R., Liem, E., Doufas, A. G., Sessler, D. I., Akca, O.
2005; 100 (2): 387-392
- **Effects of transient myocardial ischemia on the ventricular defibrillation threshold** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*
Anastasiou-Nana, M. I., Tsagalou, E. P., Charitos, C., Siafakas, K. X., Drakos, S., Terrovitis, J. V., Ntalianis, A., Doufas, A., Mavrikakis, J., Nanas, J. N.
2005; 28 (2): 97-101
- **Induction speed is not a determinant of propofol pharmacodynamics** *ANESTHESIOLOGY*
Doufas, A. G., Bakhshandeh, M., Bjorksten, A. R., Shafer, S. L., Sessler, D. I.
2004; 101 (5): 1112-1121
- **Block-dependent sedation during epidural anaesthesia is associated with delayed brainstem conduction** *BRITISH JOURNAL OF ANAESTHESIA*
Doufas, A. G., Wadhwa, A., Shah, Y. M., Lin, C. M., Haugh, G. S., Sessler, D. I.
2004; 93 (2): 228-234
- **Anesthetic requirement is increased in redheads** *ANESTHESIOLOGY*
Liem, E. B., Lin, C. M., Suleman, M. I., Doufas, A. G., Gregg, R. G., Veauthier, J. M., Loyd, G., Sessler, D. I.
2004; 101 (2): 279-283
- **The new perilaryngeal airway (CobraPLA (TM)) is as efficient as the laryngeal mask airway (LMA (TM)) but provides better airway sealing pressures** *Annual Meeting of the American-Society-of-Anesthesiologists*
Akca, O., Wadhwa, A., Sengupta, P., Durrani, J., Hanni, K., Wenke, M., Yucel, Y., Lenhardt, R., Doufas, A. G., Sessler, D. I.
LIPPINCOTT WILLIAMS & WILKINS.2004: 272-78
- **Dantrolene reduces the threshold and gain for shivering** *Annual Meeting of the American-Society-of-Anesthesiologists*
Lin, C. M., Neeru, S., Doufas, A. G., Liem, E., Shah, Y. M., Wadhwa, A., Lenhardt, R., Bjorksten, A., Taguchi, A., Kabon, B., Sessler, D. I., Kurz, A.
LIPPINCOTT WILLIAMS & WILKINS.2004: 1318-24
- **Time course of fibrillation and defibrillation thresholds after an intravenous bolus of amiodarone - an experimental study** *RESUSCITATION*
Tsagalou, E. P., Anastasiou-Nana, M. I., Charitos, C. E., Siafakas, C. X., Drakos, S. G., Ntalianis, A., Terrovitis, J. V., Mavrikakis, E. M., Doufas, A., Nanas, J. N.
2004; 61 (1): 83-89
- **Physiology and clinical relevance of induced hypothermia** *NEUROCRITICAL CARE*
Doufas, A. G., Sessler, D. I.
2004; 1 (4): 489-498
- **Midazolam causes less sedation in volunteers with red hair** *CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE*
Chua, M. V., Tsueda, K., Doufas, A. G.
2004; 51 (1): 25-30
- **Consequences of inadvertent perioperative hypothermia.** *Best practice & research. Clinical anaesthesiology*
Doufas, A. G.
2003; 17 (4): 535-549
- **Women have the same desflurane minimum alveolar concentration as men - A prospective study** *ANESTHESIOLOGY*
Wadhwa, A., Durrani, J., Sengupta, P., Doufas, A. G., Sessler, D. I.
2003; 99 (5): 1062-1065
- **T-4 but not T-3 administration is associated with increased recurrence of Graves' disease after successful medical therapy** *JOURNAL OF ENDOCRINOLOGICAL INVESTIGATION*
Mastorakos, G., Doufas, A. G., Mantzos, E., Mantzos, J., Koutras, D. A.
2003; 26 (10): 979-984
- **A new system to target the effect-site during propofol sedation** *ACTA ANAESTHESIOLOGICA SCANDINAVICA*
Doufas, A. G., Bakhshandeh, M., Bjorksten, A. R., Greif, R., Sessler, D. I.
2003; 47 (8): 944-950

- **Automated responsiveness test and bispectral index monitoring during propofol and propofol/N2O sedation** *ACTA ANAESTHESIOLOGICA SCANDINAVICA*
Doufas, A. G., Bakhshandeh, M., Haugh, G. S., Bjorksten, A. R., Greif, R., Sessler, D. I.
2003; 47 (8): 951-957
- **Blood pressure response to thermoregulatory vasoconstriction during isoflurane and desflurane anesthesia** *ACTA ANAESTHESIOLOGICA SCANDINAVICA*
Greif, R., Laciny, S., Rajek, A., Doufas, A. G., Sessler, D. I.
2003; 47 (7): 847-852
- **Neither arm nor face warming reduces the shivering threshold in unanesthetized humans** *STROKE*
Doufas, A. G., Wadhwa, A., Lin, C. M., Shah, Y. M., Hanni, K., Sessler, D. I.
2003; 34 (7): 1736-1740
- **Experimental surgery in infrarenal aorta and sigmoid ischemia** *11th Congress of the Mediterranean-League-of-Angiology-and-Vascular-Surgery*
Katsenis, K., Kotsis, T., Pafiti, A., Doufas, A., Dimakakos, P.
EDIZIONI MINERVA MEDICA.2003: 159-63
- **Effect of intra-operative end-tidal carbon dioxide partial pressure on tissue oxygenation** *ANAESTHESIA*
Akca, O., Liem, E., Suleman, M. I., Doufas, A. G., Galandiuk, S., Sessler, D. I.
2003; 58 (6): 536-542
- **Dexmedetomidine and meperidine additively reduce the shivering threshold in humans** *STROKE*
Doufas, A. G., Lin, C. M., Suleman, M. I., Liem, E. B., Lenhardt, R., Morioka, N., Akca, O., Shah, Y. M., Bjorksten, A. R., Sessler, D. I.
2003; 34 (5): 1218-1223
- **Initial experience with a novel heat-exchanging catheter in neurosurgical patients** *Annual Meeting of the American-Society-of-Anesthesiologists*
Doufas, A. G., Akca, O., Barry, A., Petrusca, D. A., Suleman, M. I., Morioka, N., Guarnaschelli, J. J., Sessler, D. I.
LIPPINCOTT WILLIAMS & WILKINS.2002: 1752-56
- **Hypercapnia improves tissue oxygenation** *ANESTHESIOLOGY*
Akca, O., Doufas, A. G., Morioka, N., Iscoe, S., Fisher, J., Sessler, D. I.
2002; 97 (4): 801-806
- **Electro-acupuncture at the Zusanli, Yanglingquan, and Kunlun points does not reduce anesthetic requirement** *Annual Meeting of the American-Society-of-Anesthesiologists*
Morioka, N., Akca, O., Doufas, A. G., Chernyak, G., Sessler, D. I.
LIPPINCOTT WILLIAMS & WILKINS.2002: 98-102
- **Insufficiency in a new temporal-artery thermometer for adult and pediatric patients** *Annual Meeting of the American-Society-of-Anesthesiologists*
Suleman, M. I., Doufas, A. G., Akca, O., Ducharme, M., Sessler, D. I.
LIPPINCOTT WILLIAMS & WILKINS.2002: 67-71
- **Use of selective opiate receptor inhibitors to prevent postoperative ileus.** *Minerva anesthesiologica*
Akça, O., Doufas, A. G., Sessler, D. I.
2002; 68 (4): 162-165
- **The threshold and gain of thermoregulatory vasoconstriction differs during anesthesia in the dependent and upper arms in the lateral position** *ANESTHESIA AND ANALGESIA*
Greif, R., Laciny, S., Rajek, A., Doufas, A. G., Sessler, D. I.
2002; 94 (4): 1019-1022
- **Oxygen free radicals in abdominal aortic surgery - An experimental study** *JOURNAL OF CARDIOVASCULAR SURGERY*
Dimakakos, P. B., Kotsis, T., Kondi-Pafiti, A., Katsenis, K., Doufas, A., Chondros, K., Kouskouni, E.
2002; 43 (1): 77-82
- **Transcutaneous electrical stimulation of an auricular acupuncture point decreases anesthetic requirement** *8th Annual Meeting of the European-Society-of-Anesthesiologists*
Greif, R., Laciny, S., Mokhtarani, M., Doufas, A. G., Bakhshandeh, M., Dorfer, L., Sessler, D. I.
LIPPINCOTT WILLIAMS & WILKINS.2002: 306-12

- **Buspirone and meperidine synergistically reduce the shivering threshold** *ANESTHESIA AND ANALGESIA*
Mokhtarani, M., Mahgoub, A. N., Morioka, N., Doufas, A. G., Dae, M., Shaughnessy, T. E., Bjorksten, A. R., Sessler, D. L.
2001; 93 (5): 1233-1239
- **Neither nalbuphine nor atropine possess special antishivering activity** *ANESTHESIA AND ANALGESIA*
Greif, R., Laciny, S., Rajek, A. M., Larson, M. D., Bjorksten, A. R., Doufas, A. G., Bakhshandeh, M., Mokhtarani, M., Sessler, D. I.
2001; 93 (3): 620-627
- **Use of an isolated pancreatic graft (ex vivo) of swine as model for drug studies** *4th International Conference on New Trends in Clinical and Experimental Immunosuppression*
Papalois, A., Smyrniotis, V., Papadimitriou, L., Syriou, V., Konstantellou, E., Tsaroucha, A., Doufas, A. G., Lykoudis, E., Karampela, E., Grigoriou, T., Manoli, E., Papadimitriou, J., Tolis, et al
ELSEVIER SCIENCE INC.2001: 2298-99
- **Automated responsiveness test (ART) predicts loss of consciousness and adverse physiologic responses during propofol conscious sedation** *ANESTHESIOLOGY*
Doufas, A. G., Bakhshandeh, M., Bjorksten, A. R., Greif, R., Sessler, D. I.
2001; 94 (4): 585-592
- **Effect of balloon angioplasty and stenting following clips vs suture arterial stenosis: an experimental study** *VASA-JOURNAL OF VASCULAR DISEASES*
Dimakakos, P. B., Kotsis, T., Doufas, A., Pafiti-Condí, A., Tsiligiris, B., Antoniou, A., Mourikis, D.
2000; 29 (1): 35-39
- **The hypothalamic-pituitary-thyroid axis and the female reproductive system** *Conference on the Young Woman at the Rise of the 21st Century - Gynecological and Reproductive Issues in Health and Disease*
Doufas, A. G., Mastorakos, G.
NEW YORK ACAD SCIENCES.2000: 65-76
- **Predominant form of non-toxic goiter in Greece is now autoimmune thyroiditis** *EUROPEAN JOURNAL OF ENDOCRINOLOGY*
Doufas, A. G., Mastorakos, G., Chatziioannou, S., Tseleni-Balafouta, S., Pipingos, G., Boukis, M. A., Mantzos, E., Caraiskos, C. S., Mantzos, J., Alevizaki, M., Koutras, D. A.
1999; 140 (6): 505-511
- **Venous repair with vascular clips and conventional suture: A comparative experimental study** *PHLEBOLOGY*
Dimakakos, P. B., Pafiti-Kondi, A., Doufas, A., Kotsis, T., Mourikis, D., Rizos, D.
1999; 14 (2): 65-70
- **The cerebral effects of carbon dioxide during digital subtraction angiography in the aortic arch and its branches in rabbits** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Dimakakos, P. B., Stefanopoulos, T., Doufas, A. G., Papisava, M., Gouliamos, A., Mourikis, D., Deligiorgi, H.
1998; 19 (2): 261-266
- **Hyperthyroidism in McCune-Albright syndrome with a review of thyroid abnormalities sixty years after the first report** *THYROID*
Mastorakos, G., Mitsiades, N. S., Doufas, A. G., Koutras, D. A.
1997; 7 (3): 433-439
- **First experimental study of carbon dioxide digital subtraction lymphangiography** *EUROPEAN JOURNAL OF PLASTIC SURGERY*
Dimakakos, P. B., Papisavva, M., Stefanopoulos, T., Mourikis, D., Kostopanagiotou, G., Doufas, A.
1997; 20 (3): 132-135