



E.Arzu KANIK, Ph.D.

Education

1985-1989 Graduated in Faculty of Agriculture, Ankara University.

1990-1993 Master Degree in Ankara University Graduate School of Natural and Applied Sciences Department of Biometry & Genetics.

1993-1999 Ph. D. Degree in Ankara University Graduate School of Natural and Applied Sciences Department of Biometry& Genetics.

Experience

1990-1999 Research Assistant in Biometry&Genetics Department of Agricultural Faculty, Ankara University, ANKARA/TURKEY.

February 2000-April 2005 Assistant Professor of Biostatistics in Faculty of Medicine, Mersin University, MERSİN/TURKEY.

Since April 2005 Associate Professor of Biostatistics in Faculty of Medicine, Mersin University, MERSİN/TURKEY.

Since June 2006 Educational Coordinator MedicReS, VIENNA.

Since January 2008 Program Coordinator MedCalcTurkey/ANKARA.

Current Study Subjects

Study Design in clinical trials, medical decision making, meta analysis, good clinical practice, statistical consulting in clinical research, simulation studies, multivariate analysis.

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International Publications

A.1. “ Yuksel, N., **AE. Kanik**, T. Baykara, “ Comparison of in vitro dissolution profiles by ANOVA-based, model dependent and-independent methods,” *Int J Pharm*, **209**, 57-67 (2000)”

A.2. “ Hallioglu, O., A. Ozge, U. Comelekoglu, AK. Topaloglu, **A. Kanik**, O. Düzovali, E. Yilgor, “ Evaluation of cerebral maturation by visual and quantitative analysis of resting electroencephalography in children with primary nocturnal enuresis,” *J Child Neurol*, **16**, 714-8 (2001)”

A.3. “ Tutluoglu, B., N. Gurbuz, S. Atis, S. Abanozlu, R. Ibis, **A. Kanik**, “ Effects of heparin on hypertonic potassium chloride-induced bronchoconstriction,” *Ann Pharmacother*, **35**, 1161-5 (2001)”

A.4. “ Dusmez, D., O. Aydin, E. Akbay, S. Cayan, **EA. Kanik**, “ Touch imprint cytology in biopsy of the infertile testis,” *Acta Cytol*, **45**, 990-4 (2001)”

A.5. “ Egilmez, R., S. Elagoz, **EA. Kanik**, “ Cdk1/ P34Cdc2 and P21waf expression in colorectal adenomas and carcinomas,” *J ExpClin Cancer Res*, **20**, 549-52 (2001)”

A.6. “ Bagdatoglu, C., A. Guleryuz, A. Unlu, **A. Kanik**, C. Berk, C. Ozdemir, T. Koksel, N. Egemen, “ Resolution of cerebral vasospasm with trapidil; an animal model,” *J Clin Neurosci*, **9**, 429-32 (2002)”

A.7. “ Comelekoglu, U., S. Bahis, B. Büyükakilli, G. Sahin, C. Erdogan, **A. Kanik**, “ Acute electrophysiological effect of pulsed gallium-arsenide low energy laser irradiation on isolated frog sciatic nerve,” *Lasers Med Sci*, **17**, 62-7 (2002)”

A.8. “ Aydin, O., D. Dusmez, L. Cinel, E. Doruk, **A. Kanik**, “ Immunohistological analysis of mast cell numbers in the intratumoral and peritumoral regions of prostate carcinoma compared to benign prostatic hyperplasia,” *Pathol Res Pract*, **198**, 267-71 (2002)”

A.9. “ Aydin, O., G. Atilla, A. Dogan, MV. Aydin, N. Canacankatan, **A. Kanik**, “ The effects of methyl methacrylate on nasal cavity, lung and antioxidant system (an experimental inhalation study),” *Toxicol Pathol*, **30**, 350-6 (2002)”

A.10. “ Unal, M., L. Ozturk, **A. Kanik**, “The role of oxygen saturation measurement and body mass index in distinguishing between non-apnoeic snorers and patients with obstructive sleep apnoea syndrome,” *Clin Otolaryngol*, **27**, 344-6 (2002)”

A.11. “ Yildirim, O., O. Oz, G. Aslan, L. Cinel, N. Delialioglu, **A. Kanik**, “ The efficacy of intravitreal levofloxacin and intravitreal dexamethasone in experimental Staphylococcus epidermidis endophthalmitis,” *Ophthalmic Res*, **34**, 349-56 (2002)”

A.12. “ Bagis, S., U. Comelekoglu, G. Sahin, B. Buyukakilli, C. Erdoğan, **A. Kanik**, “Acute electrophysiologic effect of pulsed gallium-arsenide low energy laser irradiation on configuration of compound nerve action potential and nerve excitability,” *Lasers Surg Med*,

30, 376-80 (2002)”

A.13. “ Tataroglu, C., **A. Kanik**, G. Sahin, A. Ozge, D. Yalçinkaya, F. Idiman, “ Exteroceptive suppression patterns of masseter and temporalis muscles in central and peripheral headache disorders,” *Cephalalgia*, **22**, 444-52 (2002)”

A.14. “ Pata, C., ME. Erdal, E. Dericci, A. Yazar, **A. Kanik**, O. Ulu, “ Serotonin transporter gene polymorphism in irritable bowel syndrome,” *Am J Gastroenterol*, **97**, 1780-4 (2002)”

A.15. “ Bozlu, M., E. Doruk, E. Akbay, E. Ulusoy, S. Cayan, D. Acar, **EA. Kanik**, “ Effect of administration mode (patient vs physician) and patient’s educational level on the Turkish version of the International Prostate Symptom Score,” *Int J Urol*, **9**, 417-21 (2002)”

A.16. “Cayan, S., E. Akbay, M. Bozlu, E. Doruk, A. Yildiz, D. Acar, **EA. Kanik**
E. Ulusoy, “ Diagnosis of pediatric varicoceles by physical examination and ultrasonography and measurement of the testicular volume using the prader orchidometer versus ultrasonography,” *Urol Int*, **69**, 293-6 (2002)”

A.17. “ Colak, T., T. Ipek, **A. Kanik**, S. Aydin, “ A randomized trial of botulinum toxin vs lidocain pomade for chronic anal fissure,” *Acta Gastroenterol Belg*, **65**, 187-90 (2002)”

A.18. “ Yazar, A., O. Doven, S. Atis, R. Gen, C. Pata, EE. Yazar, **A. Kanik**, “ Systolic pulmonary artery pressure and serum uric acid levels in patients with hyperthyroidism,” *Arch Med Res*, **34**, 35-40 (2003)”

A.19. “ Aydin, O., FD. Apaydin, R. Bozdogan, C. Pata, O. Yalcinoglu, **A. Kanik**, “ Cytological correlation in patients who have a pre-diagnosis of thyroiditis ultrasonographically,” *Endocr Res*, **29**, 97-106 (2003)”

A.20. “ Colak, T., T. Ipek, **A. Kanik**, Z. Ogetman, S. Aydın, “ Efficacy of topical nonsteroidal antiinflammatory drugs in mastalgia treatment,” *J Am Coll Surg*, **196**, 525-30 (2003)”

A.21. “ Akbas, E., F. Söylemez, E. Dericci, G. Börekçi, **A. Kanik**, “ Effects of X-rays and cigarette smoking on leukocyte, lymphocyte and mitotic index values and SCE rates:the relationship between mitotic index and lymphocyte count,” *Toxicology and Industrial Health*, **19**, 81-91 (2003)”

A.22. “ Buyukakilli, B., U. Comelekoglu, C. Tataroglu, **A. Kanik**, “ Reversible conduction block in isolated frog sciatic nerve by high concentration of bupivacaine,” *Pharmacol Res*, **47**, 235-41 (2003)”

A.23. “ Dirlik, M., M. Caglikulekci, I. Cinel, L. Tamer, C. Pata, **A. Kanik**, K. Ocal, Z. Ogetman, S. Aydin, “ The effect of PARS inhibition on ileal histopathology, apoptosis and lipid peroxidation in LPS-induced obstructive jaundice,” *Pharmacol Res*, **48**, 139-49 (2003)”

A.24. “ Colak, T., T. Akca, **A. Kanik**, S. Aydin, “ Randomized clinical trial comparing laparoscopic totally extraperitoneal approach with open mesh repair in inguinal hernia,” *Surg Laparosc Endosc Percutan Tech*, **13**, 191-5 (2003)”

- A.25. “ Calikoglu, M., L. Tamer, N. Sucu, B. Coskun, B. Ercan, A. Gul, I. Calikoglu, **A. Kanik**, “ The effects of caffeic acid phenethyl ester on tissue damage in lung after hindlimb ischemia-reperfusion,” *Pharmacol Res*, **48**, 397-403 (2003)”
- A.26. “ Aydin, O., R. Egilmez, T. Karabacak, **A. Kanik**, “ Interobserver variation in histopathological assessment of Helicobacter pylori gastritis,” *World J Gastroenterol*, **9**, 2232-5 (2003)”
- A.27. “ Colak, T., A. Nayci, G. Polat, A. Polat, U. Comelekoglu, **A. Kanik**, O. Turkmenoglu, S. Aydin, “ Effects of trapidil on the healing of colonic anastomoses in an experimental rat model,” *ANZ J Surg*, **73**,916-21 (2003)”
- A.28. “ Unal, M., S. Sevim, O. Dogu, Y. Vayisoglu, **A. Kanik**, “ Effect of botulinum toxin type A on nasal symptoms in patients with allergic rhinitis, a double-blind, placebo-controlled clinical trial,”*Acta Otolaryngol*, **123**, 1060-3 (2003)”
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- A.34. “ Colak, T., T. Akca, M. Dirlik, **A. Kanik**, A. Dag, S. Aydin, “ Micronized flavonoids in pain control after hemorrhoidectomy a prospective randomized controlled study,” *Surg Today*, **33**, 828-32 (2003)”
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- A.38. “ Ozer, C., E. Yencilek, FD. Apaydin, MN. Duce, A. Yildiz, E. Erdem, **A. Kanik**, S. Cayan, “ Diagnostic value of renal parenchymal density difference on unenhanced helical ct in acutely obstructing ureteral Stone disease,” *Urology*, **64**, 223-6 (2004)”
- A.39. “ Milcan, A., E. Arslan, OT. Bagdatoglu, C. Bagdatoglu, G. Polat, **A. Kanik**, DU. Talas, F. Kuyurtar, “ The effect of alprostadil on ischemia reperfusion injury of peripheral nerve in rats,” *Pharmacol Res*, **49**, 67-72 (2004)”
- A.40. “ Caglikulekci, M., C. Pata, DD. Apa, M. Dirlik, L. Tamer, F. Yaylak, **A. Kanik**, S. Aydin, “The effect of N-acetylcysteine (NAC) on liver and renal tissue inducible nitric oxide synthase (iNOS) and tissue lipid peroxidation in obstructive jaundice stimulated by lipopolysaccharide (LPS),” *Pharmacol Res*, **49**, 227-38 (2004)”
- A.41. “ Ates, NA., U. Tursen, L. Tamer, **A. Kanik**, E. Derici, B. Ercan, U. Atik, “ Glutathione S-transferase polymorphisms in patients with drug eruption,” *Arch Dermatol Res*, **295**, 429-33 (2004)”
- A.42. “ Sezgin, M., AC, Demirel, C. Karaca, O. Ortancil, GB. Ulkar, **A. Kanik**, A. Cakci, “ Does hyaluronan affect inflammatory cytokines in knee osteoarthritis?,” *Rheumatol Int*, (2004)”
- A.43. “ Colak, T., G. Ersoz, T. Akca, **A. Kanik**, S. Aydin, “ Efficacy and safety of reuse of disposable laparoscopic instruments in laparoscopic cholecystectomy, a prospective randomized study,” *Surg Endosc*, **18**, 727-31 (2004)”
- A.44. “ Hazar, B., G. Polat, E. Seyrek, O. Bagdatoglu, **A. Kanik**, N. Tiftik, “ Prognostic value of matrix metalloproteinases (MMP-2 and MMP-9) in Hodkin’s and non Hodgkin’s lymphoma,” *Int J Clin Pract*, **58**, 139-43 (2004)”
- A.45. “ Erdal, ME., U. Tursen, TI. Kaya, **A. Kanik**, E. Derici, G. İkişoğlu, “ Association between Catechol-O-Methyltransferase polymorphism and psoriasis,” *Int J Dermatol*, **43**, 312-4 (2004)”
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- A.48. “ Yazici, G., A. Yildiz, MB. Tiras, M. Arslan, **A. Kanik**, U. Oz, “ Comparison of transperineal and transvaginal sonography in predicting pretem delivery,” *J Clin Ultrasound*, **32**, 225-30 (2004)”

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A.51. “ Colak, T., T. Akca, **A. Kanik**, D. Yapici, S. Aydin, “ Total versus subtotal thyroidectomy for the management of benign multinodular goiter in an endemic region,” *ANZ J Surg*, **74**, 974-8 (2004)”

A.52. “ Ates, NA., O. Yildirim, L. Tamer, A. Unlu, B. Ercan, N. Muslu, **A. Kanik**, R. Hatungil, U. Atik, “ Plasma catalase activity and malondialdehyde level in patients with cataract,” *Eye*, **18**, 785-8 (2004)”

A.53. “ Koksel, O., I. Cinel, L. Tamer, L. Cinel, A. Ozdulger, **A. Kanik**, B. Ercan, U. Oral, “ N-acetylcysteine inhibits peroxynitrite-mediated damage in oleic acid-induced lung injury,” *Pulm Pharmacol Ther*, **17**, 263-270 (2004)”

A.54. “ Eskandri, GH., MYB. Cimen, L. Tamer, **A. Kanik**, U. Atik, “ Short term effects of L-carnitine on serum lipids in STZ-induced diabetic rats,” *Diabetes Res Clin Pract*, **66**, 129-32 (2004)”

A.55. “ Koksel, O., L.Tamer, L. Cinel, A. Ozdulger, M. Ercil, B. Ercan, I. Cinel, **A. Kanik** U. Atik, “Effects of n-acetylcysteine on oxidant-antioxidant balance in oleic acid-induced lung injury,” *Experimental Lung Research*, **30**, 431-46 (2004)”

A.56. “ Yigit, R., A. Ozcan, **EA Kanik**, “ Profile of nurses with baccalaureate degrees in Turkey,” *J Prof Nurs*, **20**, 403-12 (2004)”

A.57. “ Calikoglu, M., G. Sahin, A. Unlu, C. Ozturk, L. Tamer, B. Ercan, **A. Kanik**, U. Atik, “ Leptin and TNF-alpha levels in patients with chronic obstructive pulmonary disease and their relationship to nutritional parameters,” *Respiration*, **71**, 45-50 (2004)”

A.58. “ **Kanik, EA.**, H. Canbaz, T. Colak, S. Aydin, “Chemo preventive effect of non steroid anti-inflammatory drugs on the development of a new colorectal adenoma in high risk population: A meta analysis study,” *Curr Ther Res Clin Exp*, **65**, 345-352 (2004)”

A.59. “ Ünal, M., C. Tataroglu, F. Toros, **A. Kanik**, YS. Pata, “ Brainstem evaluation in children with primary nocturnal enuresis,” *Acta Med Okayama*, **58**, 1-6 (2004)”

A.60. “ Akca, T., T. Colak, **A. Kanik**, F. Yaylak, M. Caglikulekci, S. Aydin, “ The effect of preoperative intravenous use of tenoxicam: A prospective, double-blind, placebo-controlled study,” *Journal of Investigative Surgery*, **17**, 333-38 (2004)”

- A.61. “ Delialioglu, N., G. Aslan, M. Sozen, C. Babur, **A. Kanik**, G. Emekdas, “ Detection of entamoeba histolytica/Entamoeba dispar in stool specimens by using enzyme-linked immunosorbent assay,” *Mem Inst Oswaldo Cruz*, **99**,769-72 (2004)”
- A.62. “ Camdeviren, H., N. Demir, **A. Kanik**, S. Keskin, “ Use of principal component scores in modelling of Chlorophyll-a Dynamics in a freshwater reservoir using principal component and multiple linear regression analysis,”*Ecological Modelling*,**181**, 581-89 (2005)”
- A.63. “ Atis, S., B. Tutluoglu, E. Levent, C. Ozturk, A. Tunacı, K. Sahın, A. Saral, İ. Oktay, **A. Kanik**, “ The respiratory effects of occupational polypropylene flock exposure,”*Eur Respir*, **25**, 110-7 (2005)”
- A.64. “ Arslan, E., F. Demirkan, S. Unal, A. Aksoy, G. Polat, **A. Kanik**, “ The relationship between patient stres and the blood levels of acute Phase Proteins in Rhinoplasty: The Report of a Prospective Study,” *Journal Of Psychosomatic research*, **58**, 35-41 (2005)”
- A.65. “ Koksel, O., C. Yildirim, L. Cinel, L. Tamer, A. Ozdulger, M. Basturk, U. Degirmenci, **A. Kanik**, I. Cinel, “Inhibition of Poly (ADP-ribose) Polymerase Attenuates Lung Tissue Damage After Hind Limb Ischemia-reperfusion in Rats,” *Pharmacological Research*, **51**, 453-462 (2005)”
- A.66. “ Yazar, A., K. Büyükafsar, G. Polat, C. Pata, **A. Kanik**, EN. Tiftik, Ö. Bagdatoglu, “ The Urinary 5-hydroxyindole Acetic Acid and Plasma Nitric Oxide Levels in Irritable Bowel Syndrome: A Preliminary Study,” *Scot Med J*, **50**, 27-29 (2005)”
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- A.68. “ Akca, T., T. Colak, B. Ustunsoy, **A. Kanik**, S. Aydin, “ Randomized Clinical Trial Comparing Primary Closure with The Limberg Flap in the Treatment of Primary Sacrococcygeal Pilonidal Disease,” *British Journal Of Surgery*, **92**, 1081-1084 (2005)”
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- A.70. “ Koksel, O., A. Ozdulger, B. Aytacoglu, L. Tamer, A. Polat, N. Sucu, C. Yildirim, U. Degirmenci, **A. Kanik**, “ The Influence of Iloprost on Acute Lung Injury Induced by Hind Limb Ischemia-reperfusion in Rats,” *Pulmonary Pharmacology & Therapeutics*, **18**, 235-241 (2005)”
- A.71. “ Akca, T., H. Canbaz, C. Tataroglu, M. Caglikulekci, L. Tamer, T. Colak, **A. Kanik**, O. Bilgin, S. Aydin, “ The Effect of N-Acetylcysteine on Pulmonary Lipid Peroxidation and Tissue Damage,” *Journal Of Surgical Research*, **129**, 38-45 (2005)”
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- A.74. “ Erdem, E., A. Tunckiran, D. Acar, **EA. Kanik**, E. Akbay, E. Ulusoy, “ Is Catheter Cause Of Subjectivity in Sensations Perceived During Filling Cystometry?,” *Urology*, **66**, 1000-3 (2005)”
- A.75. “ Hazar, B., G. Polat, O. Bagdatoglu, E. Seyrek, Y. Tezcan, **A. Kanik**, “ The Role of Fibronectin and Nitricoxide (NO) in Gastrointestinal Cancers,” *Hepato-Gastroenterology*, **52**, 119-122 (2005)”
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- A.77. “ Ogetman, Z., M. Dirlik, M. Caglikulekci, H. Canbaz, T. Karabacak, F. Yaylak, L. Tamer, **A. Kanik**, S. Aydin, “ The Effect of Aminoguanidine on Blood and Tissue Lipid Peroxidation in Jaundiced Rats with Endotoxemia Induced with LPS,” *Journal Of Investigative Surgery*, **19**, 19-30 (2006)”
- A.78. “ Konca, K., EN. Tiftik, G. Aslan, **A. Kanik**, A. Yalcin, “ The Effect of Cromoglycate on Time-Dependent Histamine and Serotonin Concentrations in Stored Blood Products,” *Transfusion And Apheresis Science*, **34**, 193-198 (2006)”
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- A.80. “ Yazici, AC., A. Basterzi, ST. Acar, D. Ustunsoy, G. Ikızoglu, D. Demirseren, **A. Kanik**, “ Alopecia areara and Alexithymia,” *Turk Psikiyatri Dergisi*, **17**, 101-106 (2006)”
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- A.82. “ Emekdas, G., G. Aslan, S. Tezcan, P. Ciragil, MR. Bayraktar, Y. Onlen, E. Aktas, V. Bonsak, **A. Kanik**, “ Brucella Seropositivity in South and Southeast Turkey,” *Saudi Medical Journal*, **27**, 1273-75 (2006)”
- A.83. “ Celik, A., **A. Kanik**, “ Genotoxicity of Occupational Exposure To Wood Dust: Micronucleus Frequency and Nuclear Changes in Exfoliated Buccal Mucosa Cells,” *Environmental and Molecular Mutagenesis*, **47**, 693-8 (2006)”
- A.84. “Yildirim, O., A. Yilmaz, O. Oz, H. Vatansever, L. Cinel, G. Aslan, L. Tamer, U. Adıgüzel, R. Arpacı, **A. Kanik**, G. Emekdas, “ Effect of Caffeic Acid Phenethyl Ester on Treatment of Experimentally Induced Methicillin-Resistant Staphylococcus Epidermidis Endophthalmitis in a Rabbit Model, “ *Cell Biochem Funct*, **25**, 693-700 (2007)”

- A.85. "Tumkaya, M., S. Atis, C. Ozge, N. Delialioglu, G. Polat, **A. Kanik**, "Relationship between airway colonization, inflammation and exacerbation frequency in COPD", *Respiratory Medicine*, 101,729-37 (2007)"
- A.86. " Yigit, R., **A. Kanik**, A. Ozcan, S. Yuzer, "Nurses' Approaches Towards Sexuality of Adolescent Patients in Turkey," *Journal Of Clinical Nursing*, **16**, 638-645 (2007)"
- A.87. " Aslan, G., G. Emekdas, M. Bayer, MS. Serin, N. Kuyucu, **A. Kanik**, "Serotype Distribution Of Streptococcus Pneumoniae Strains in the Nasopharynx of Healthy Turkish Children," *Indian J Med Res*, **125**, 582-7 (2007)"
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