

Lect. PhD HÜSNIYE CANAN

Personal Information

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Education Information

Doctorate, Cukurova University, Sağlık Bilimleri Enstitüsü, Adli Tıp Abd, Turkey 1999 - 2003

Postgraduate, Cukurova University, Sağlık Bilimleri Enstitüsü, Adli Tıp Abd, Turkey 1995 - 1999

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 1990 - 1994

Dissertations

Doctorate, Çukurova Bölgesinde HLA-DQA1 ve Polymarker (LDLR, GYPA, HBGG, D7S8, GC) Lokuslarının Allel Frekans Dağılımları, Cukurova University, Sağlık Bilimleri Enstitüsü, Adli Tıp Abd, 2003

Postgraduate, Çukurova Yöresinde Haptogloblin Gen Frekanslarının Saptanması, Cukurova University, Sağlık Bilimleri Enstitüsü, Adli Tıp Abd, 1999

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Forensic Medicine (Medical Jurisprudence)

Academic Titles / Tasks

Expert, Cukurova University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Genetic characterisation of 13 rapidly mutating Y-STR loci in 100 father and son pairs from South and East Turkey**
Ay M., SERİN A., Sevay H., Gurkan C., CANAN H.
ANNALS OF HUMAN BIOLOGY, vol.45, pp.506-515, 2018 (SCI-Expanded)
- II. **Mitochondrial DNA control region haplotype and haplogroup diversity in South Eastern Turkey**
SERİN A., CANAN H., ALPER B., GÜLMEN M. K., ZIMMERMANN B., PARSON W.
FORENSIC SCIENCE INTERNATIONAL-GENETICS, vol.24, pp.176-179, 2016 (SCI-Expanded)
- III. **The frequencies of mutated alleles of CYP2D6 gene in a Turkish population**
SERİN A., CANAN H., ALPER B., GÜLMEN M. K.
FORENSIC SCIENCE INTERNATIONAL, vol.222, pp.332-334, 2012 (SCI-Expanded)
- IV. **Haplotype frequencies of 17 Y-chromosomal short tandem repeat loci from the Cukurova region of Turkey**
SERİN A., CANAN H., ALPER B., SERTDEMİR Y.
CROATIAN MEDICAL JOURNAL, vol.52, no.6, pp.703-708, 2011 (SCI-Expanded)
- V. **Temtamy Preaxial Brachydactyly Syndrome Is Caused by Loss-of-Function Mutations in Chondroitin**

Synthase 1, a Potential Target of BMP Signaling

LI Y., LAUE K., TEMTAMY S., AGLAN M., KOTAN L. D., YIGIT G., CANAN H., PAWLIK B., NUERNBERG G., WAKELING E. L., et al.

AMERICAN JOURNAL OF HUMAN GENETICS, vol.87, no.6, pp.757-767, 2010 (SCI-Expanded)

VI. A novel missense mutation in the first extracellular loop of the neurokinin B receptor causes hypogonadotropic hypogonadism

GÜRAN T., Tolhurst G., BEREKET A., Porter K., DEMİRCİOĞLU S., Gribble F. M., KOTAN L. D., Akcay T., Atay Z., CANAN H., et al.

HORMONE RESEARCH, vol.72, pp.402, 2009 (SCI-Expanded)

VII. A homozygous recurring mutation in WISP3 causing progressive pseudorheumatoid arthropathy of childhood

Ozbek M. N., Kotan D., Lanktree M., SERİN A., Mungan N. O., CANAN H., ALPER B., YÜKSEL B., Hegele R. A., TOPALOĞLU A. K.

HORMONE RESEARCH, vol.70, pp.187, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Population data of 12 X-STRs in Turkey**
Kalaoglu E., Ay M., Ulubay A., CANAN H., SERİN A., ALPER B.
FORENSIC SCIENCE INTERNATIONAL GENETICS SUPPLEMENT SERIES, vol.7, no.1, pp.632-634, 2019 (ESCI)
- II. **Haplotype data for the 12 RM Y-STR loci in a Syrian population**
Ay M., SERİN A., CANAN H., ÇEKİN N.
FORENSIC SCIENCE INTERNATIONAL GENETICS SUPPLEMENT SERIES, vol.7, no.1, pp.90-91, 2019 (ESCI)
- III. **Is it reliable to use paraffin embedded tumor tissues as biological evidence in parentage cases?**
CANAN H., SERİN A.
FORENSIC SCIENCE INTERNATIONAL GENETICS SUPPLEMENT SERIES, vol.7, no.1, pp.318-319, 2019 (ESCI)
- IV. **Investigation of factors affecting the presence of Lactobacillus spp. used in identification of vaginal secretion**
AKGÜNDÜZ E., KAYA K., SERİN A., ULUBAY A., CANAN H., ALPER B.
Investigation of factors affecting the presence of Lactobacillus spp. used in identification of vaginal secretion, 2019 (Peer-Reviewed Journal)
- V. **Vücut Sıvılarının Tanımlanmasında Çeşitli Doku Spesifik mRNA Belirteçlerinin Etkinliğinin Araştırılması**
SERİN A., CANAN H., Ulubay A., Alper B.
Türkiye Klinikleri J Foren Med, vol.14, pp.1, 2017 (Peer-Reviewed Journal)
- VI. **An Investigation of Various Tissue Specific mRNA Markers in Body Fluid Identification**
SERİN A., CANAN H., Ulubay A., ALPER B.
Türkiye Klinikleri Journal of Forensic Medicine, vol.14, no.2, pp.48-55, 2017 (Peer-Reviewed Journal)
- VII. **İdentifikasyona Dayalı Adli Uygulamalarda Tek Nükleotit Polimorfizmler**
SERİN A., CANAN H., ULUBAY A.
Adli Tıp Dergisi, vol.13, no.2, pp.47-54, 2016 (Peer-Reviewed Journal)
- VIII. **Mitochondrial DNA in Forensic Identification**
SERİN A., CANAN H., ALPER B.
Türkiye Klinikleri J Forensic Med, vol.10, pp.51-58, 2013 (Peer-Reviewed Journal)
- IX. **Molecular structure and genealogical characterization of the DYS458.2 allelic variants founded in Turkey population samples**
SERİN A., CANAN H., ALPER B., KOTAN L. D.
Forensic Sci Int Genet Suppl, vol.3, pp.281-282, 2011 (Peer-Reviewed Journal)
- X. **Molecular structure and genealogical characterization of the DYS458.2 allelic variants founded in Turkey population samples**

Serin A., CANAN H., ALPER B., Kotan L. D.

Forensic Sci Int Genet Suppl, no.3, pp.281-282, 2011 (Peer-Reviewed Journal)

- XI. **Gen çalışmaları ve etik.**
Serin A., CANAN H., ALPER B.
Türkiye Klinikleri J Med Ethics, no.14, pp.47-51, 2006 (Peer-Reviewed Journal)
- XII. **Ultraviyole ışınları ve çeşitli sıcaklık koşullarının zamana bağlı olarak kan lekelerinden ABO grup tayinine etkisi**
Erkol Z., Dönbak L., SERİN A., CANAN H., ALPER B., Salaçin S.
Türkiye Klinikleri J Forensic Med, vol.2, pp.48-50, 2005 (Peer-Reviewed Journal)
- XIII. **ABO blood group typing from old bloodstains stored at different conditions.**
CANAN H., Serin A., ALPER B.
Forensic Sci Int Suppl, vol.136, no.1, pp.229, 2003 (Peer-Reviewed Journal)
- XIV. **Adli Amaçlı kullanılan DNA polimorfizmleri ve tiplendirme teknikleri.**
Serin A., ALPER B., CANAN H.
Adli Tıp Dergisi, vol.16, pp.72-81, 2002 (Peer-Reviewed Journal)
- XV. **Adli Amaçlı kullanılan DNA polimorfizmleri ve tiplendirme teknikleri**
SERİN A., ALPER B., CANAN H.
Adli Tıp Derg, vol.16, pp.72-81, 2002 (Peer-Reviewed Journal)
- XVI. **Çukurova yöresinde 5 STR sistemi (HumTH01, HumvWA, HumF13B, HumCS1PO, ve HumD21S11)?nin allel frekans dağılımı**
ALPER B., SERİN A., Schürenkamp M., CANAN H., Brinkmann B.
Adli Tıp Derg, vol.15, pp.1-5, 2001 (Peer-Reviewed Journal)
- XVII. **Single Nucleotide Polymorphisms in Forensic Applications Based on Identification: Review**
SERİN A., CANAN H., Ulubay A.
Turkiye Klinikleri Journal of Forensic Medicine, vol.13, no.2, pp.47-54, 1900 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Utility of 5 mRNA Markers (SEM1, KLK3, PRM1, PRM2, TGM4) in Identification of Semen.**
Serin A., Huseynov V., CANAN H., Ulubay A., Gülmen M. K.
68 th Annual Scientific Meeting, United States Of America
- II. **Bir olgu sunumu: Mutasyon mu red mi?**
Serin A., CANAN H., Ulubay A., ALPER B.
. 13.Adli Bilimler Kongresi,, Muğla, Turkey, pp.1
- III. **Investigation of Utility of 5 mRNA Markers (SEM1, KLK3, PRM1, PRM2, TGM4) in Identification of Semen**
Serin A., Huseynov V., CANAN H., Ulubay A., Gülmen M. K.
68 th Annual Scientific Meeting, United States Of America
- IV. **Mutations observed at 16 autosomal STR loci in cases of paternity/maternity testing**
CANAN H., Serin A., ALPER B., Gülmen M. K.
IALM 22nd congress of the international academy of legal medicine, İstanbul, Turkey, pp.338
- V. **MtDNA control region sequence polymorphisms in a Turkish population.**
Serin A., CANAN H., ALPER B., Gülmen M. K.
IALM 22nd congress of the international academy of legal medicine, İstanbul, Turkey
- VI. **Stability in different environmental conditions in semen stains**
Serin A., CANAN H., ALPER B.
4 th Mediterranean Academy of Forensic Science Meeting,, Antalya, Turkey
- VII. **Retrospective evaluation of kinship cases applied to Cukurova University Medical Faculty Department of Forensic Medicine**

CANAN H., Serin A., ALPER B.

4 th Mediterranean Academy of Forensic Science Meeting,, Antalya, Turkey

VIII. **ABO blood group typing from old bloodstains stored at different conditions.**

CANAN H., Serin A., ALPER B.

III. European Academy of Forensic Science Meeting,, İstanbul, Turkey, vol.136, no.1, pp.229

IX. **The frequencies of defective alleles of CYP2C19 gene in a Turkish population**

CANAN H., Serin A., ALPER B., Gülmen M. K.

World Forensic Festival, South Korea, pp.500

X. **Analysis of an Additional Nine Short Tandem Repeat (STR) Loci to 15 STR Loci and the Detection of Allele Frequencies in a Cukurova Population of Turkey**

Ulubay A., CANAN H., Serin A., Çekin N., Gülmen M. K.

68 th Annual Scientific Meeting, United States Of America

XI. **The frequencies of defective alleles of CYP2C19 gene in a Turkish population**

CANAN H., Serin A., ALPER B., Gülmen M. K.

World Forensic Festival, South Korea, pp.500

XII. **The frequencies of clinically important alleles of CYP2D6 gene in a Turkish population**

Serin A., CANAN H., ALPER B., Gülmen M. K.

IALM 2012 22nd congress of the international academy of legal medicine, İstanbul, Turkey, no.126

XIII. **Semen Tespit Edilemeyen Cinsel Saldırı Olgularında Y-STR Markırları Kullanılarak Erkek DNA'sının Tespiti**

Ulubay A., SERİN A., CANAN H., ALPER B.

16.Adli Bilimler Kongresi, Turkey, 4 - 07 April 2019

XIV. **Is it reliable to use paraffin embedded tumor tissues as biological evidence in parentage cases?**

CANAN H., SERİN A.

the 28th International Congress of International Society for Forensic Genetics (ISFG), 9 - 13 September 2019, vol.7, pp.318-319

XV. **RNA/DNA CO-ISOLATION AND DIFFERENTIAL EXTRACTION OF SPERM CELLS IN MIX SAMPLES**

SERİN A., CANAN H., Ulubay A., Ay M., Gulmen M., ÇEKİN N.

21st Triennial Meeting of the International-Association-of-Forensic-Sciences (IAFS), Toronto, Canada, 21 - 25 August 2017, vol.277, pp.194

XVI. **THE EFFECTS OF INFECTION AND POSTMENOPAUSA ON THE PRESENCE OF LACTOBACILLUS IN VAGINAL SPECIMENS**

AKGÜNDÜZ E., Ulubay A., SERİN A., CANAN H., ÜNAL İ., ALPER B.

21st Triennial Meeting of the International-Association-of-Forensic-Sciences (IAFS), Toronto, Canada, 21 - 25 August 2017, vol.277, pp.194-195

XVII. **Erken dönem (5 hafta 5 günlük) abortusta dna analizi: bir olgu sunumu**

Ulubay A., SERİN A., CANAN H., Ay M., ÇEKİN N.

Adli Bilimler Kongresi, Turkey, 11 - 14 May 2017

XVIII. **Heteropaternal ikiz kardeşlik: bir olgu sunumu**

Ay M., SERİN A., CANAN H., Ulubay A., ÇEKİN N.

Adli Bilimler Kongresi, Turkey, 11 - 14 May 2017

XIX. **Vajinal sekresyonun tanımlanmasında kullanılan Lactobacillustürlerinin varlığını etkileyen faktörlerin araştırılması**

Akgündüz E., Ulubay A., SERİN A., CANAN H., ALPER B.

Adli Bilimler Kongresi, Turkey, 11 - 14 May 2017

XX. **Vücut sıvılarının identifikasyonu amacıyla doku spesifik mRNAbelirteçlerinin reverse transkripsiyon end-point pcr yöntemi ile tanımlanması**

SERİN A., CANAN H., Ulubay A., ALPER B., GÜLMEN M. K.

Adli Bilimler Kongresi, Turkey, 11 - 14 May 2017

XXI. **STR lokuslarında üç alleli yapı**

CANAN H., SERİN A., Ulubay A., GÜLMEN M. K.

Adli Bilimler Kongresi, Turkey, 11 - 14 May 2017

- XXII. **SNAPSHOT Minisekanslama Tekniđi ile mtDNA Kodlanan Bölge SNP lerinin Tiplendirilmesi**
SERİN A., CANAN H., Ulubay A., ALPER B.
13.Adli Bilimler Kongresi, Muđla, Turkey, 27 - 30 April 2016
- XXIII. **Bir olgu sunumu: Mutasyon mu red mi?**
CANAN H., Serin A., Ulubay A.
13.Adli Bilimler Kongresi, Muđla, Turkey, 27 - 30 April 2016, pp.1
- XXIV. **Analysis of Additional 9 STR Loci to 15 STR Loci and Detection of Allele Frequencies in Cukurova Population of Turkey**
Ulubay A., CANAN H., SERİN A., ÇEKİN N., GÜLMEN M. K.
American Academy of Forensic Sciences. 68th Annual Scientific Meeting, Las Vegas, United States Of America, 22 - 27 February 2016
- XXV. **Investigation of the Utility of Five Messenger RNA (mRNA) Markers SEM1, KLK3, PRM1, PRM2, and TGM4) in the Identification of Semen**
SERİN A., Huseynov V., Canan H., Ulubay A., Gülmen M. K.
American Academy of Forensic Sciences, Annual Meeting, Las Vegas, United States Of America, 22 - 27 February 2016
- XXVI. **Analysis of an Additional Nine Short Tandem Repeat (STR) Loci to 15 STR Loci and the Detection of Allele Frequencies in a Cukurova Population of Turkey**
Ulubay A., Canan H., SERİN A., Çekin N., Gülmen M. K.
American Academy of Forensic Science, Annual Meeting, Las Vegas, United States Of America, 22 - 27 February 2016
- XXVII. **Analysis of an additional nine short tandem repeat STR loci to 15 STR loci and the detection of allele frequencies in a Çukurova population of Turkey**
Ulubay A., CANAN H., SERİN A., ÇEKİN N., GÜLMEN M. K.
American Academy of Forensic Sciences 68thannual scientific meeting, 22 - 27 February 2016
- XXVIII. **Adli DNA analizlerinde kaç STR sistemine ihtiyaç var? Çukurova Üniversitesi'nde Uygulama**
ULUBAY A., CANAN H., SERİN A., Çekin N., GULMEN M. K.
XII. Adli Bilimler Kongresi, Isparta, Turkey, 4 - 06 June 2015, pp.114
- XXIX. **Semen identifikasyonunda 5 mRNA belirtecinin (SEM1, KLK3, PRM1, PRM2, TGM4) kullanılabilirliğinin araştırılması**
Serin A., Huseynov V., CANAN H., Ulubay A., Gülmen M. K.
XII. Adli Bilimler Kongresi, Isparta, Turkey, 4 - 06 June 2015, pp.1
- XXX. **Adli Moleküler Genetik Analizlerde Güncel Yaklaşımlar**
CANAN H.
1. Uluslararası Adli Biyoloji ve Genetik Kongresi,, Ankara, Turkey, 27 - 28 November 2014, pp.1
- XXXI. **The role of mRNA in the identification of body fluids**
Ulubay A., CANAN H., Serin A., Duysak İ., Gülmen M. K.
1. Uluslararası Adli Biyoloji ve Genetik Kongresi,, Ankara, Turkey, 27 - 28 November 2014
- XXXII. **Identification and kinship cases of Cukurova University Medical Faculty Department of Forensic Medicine between 2006-2013**
CANAN H., Serin A., Gülmen M. K., ALPER B.
World Forensic Festival, Seul, South Korea, 12 - 18 October 2014, pp.501
- XXXIII. **mRNA belirteçleri kullanılarak tam kan ve menstruel kan ayrımı yapılabilir mi?**
SERİN A., CANAN H., ULUBAY A., ALPER B., Çekin N., HİLAL A., GULMEN M. K.
XI. Adli Bilimler Kongresi, Lefkoşa, Turkey, 23 - 26 April 2014, pp.1
- XXXIV. **Türkiye için bir ihtiyaç: Adli DNA Bankası**
CANAN H., SERİN A., ALPER B., Çekin N., GULMEN M. K.
10. Anadolu Adli Bilimler Kongresi, Uluslararası katılımlı, Malatya, Turkey, 30 October - 02 November 2013, pp.61
- XXXV. **Moll hidatiform gebelik ürünü ve Kimliklendirme: Bir olgu sunumu**
SERİN A., CANAN H., Çekin N., ALPER B., GULMEN M. K.

10. Anadolu Adli Bilimler Kongresi, Uluslararası katılımlı, Malatya, Turkey, 30 September - 02 November 2013, pp.42-44
- XXXVI. **Mutations observed at 16 autosomal STR loci in cases of paternity/maternity testing**
CANAN H., SERİN A., ALPER B., GULMEN M. K.
IALM 2012 22nd congress of the international academy of legal medicine, İstanbul, Turkey, 5 - 08 July 2012, pp.338
- XXXVII. **The frequencies of clinically important alleles of CYP2D6 gene in a Turkish population**
SERİN A., CANAN H., ALPER B., GULMEN M. K.
IALM 2012 22nd congress of the international academy of legal medicine, İstanbul, Turkey, 5 - 08 July 2012, pp.316
- XXXVIII. **MtDNA control region sequence polymorphisms in a Turkish population**
SERİN A., CANAN H., ALPER B., GULMEN M. K.
IALM 2012 22nd congress of the international academy of legal medicine, İstanbul, Turkey, 5 - 08 July 2012, pp.338
- XXXIX. **Retrospective evaluation of kinship cases applied to Cukurova University Medical Faculty Department of Forensic Medicine**
CANAN H., SERİN A., ALPER B.
4th Mediterranean Academy of Forensic Science Meeting,, Antalya, Turkey, 14 - 18 October 2009, pp.105
- XL. **DNA Stability in different environmental conditions in semen stains.**
SERİN A., CANAN H., ALPER B.
4 th Mediterranean Academy of Forensic Science Meeting, Antalya, Turkey, 14 - 18 October 2009, pp.106
- XLI. **3.2.11. Serin A, Canan H, Alper B. 16 Y Chromosomal STR haplotype frequencies in Eastern Mediterranean Region of Turkey. 18th Triennial meeting of the International Association of Forensic Scientists, , New Orleans , Louisiana, USA**
SERİN A., CANAN H., ALPER B., GULMEN M. K.
18th Triennial meeting of the International Association of Forensic Scientists, New Orleans, United States Of America, 20 - 25 July 2008, pp.47
- XLII. **Çukurova bölgesinde HLA-DQA1 ve PM lokuslarının allel frekans dağılımları**
CANAN H., SERİN A., ALPER B.
VI. Adli Bilimler Kongresi, İstanbul, Turkey, 28 - 30 March 2004, pp.4
- XLIII. **Gen çalışmaları ve etik**
SERİN A., CANAN H., ALPER B.
VI. Adli Bilimler Kongresi, İstanbul, Turkey, 28 - 30 March 2004, pp.26
- XLIV. **Kan lekelerinde HLA-DQA1 ve Polymarker sistemlerinin tanımlanabilirliği.**
SERİN A., CANAN H., ALPER B.
V. Ulusal Adli Bilimler Kongresi, Adana, Turkey, 28 - 30 March 2002, pp.23
- XLV. **1993-1999 yılları arasında Çukurova Üniversitesi Tıp Fakültesi Adli Tıp Anabilim dalına Akrabalık ilişkilerinin tayini için gönderilen adli olguların eritrosit ve lökosit antijen çalışma sonuçları**
ALPER B., SERİN A., CANAN H.
IV. Adli Bilimler Kongresi, İstanbul, Turkey, 10 - 13 May 2000, pp.62
- XLVI. **Çukurova yöresinde 5 STR sistemi (HumTH01, HumvWA, HumF13B, HumCS1PO ve HumD21S11)?nin allel frekans dağılımı**
ALPER B., SERİN A., Schürenkamp M., CANAN H., Brinkmann B.
IV. Adli Bilimler Kongresi, İstanbul, Turkey, 10 - 13 May 2000, pp.63
- XLVII. **Absorbsiyon-elüsyon yöntemiyle taze kan lekelerinde ABO grup tayini**
Kellece L., SERİN A., ALPER B., CANAN H., Erkol Z., Çekin N., GULMEN M. K., Salaçin S.
III. Adli Bilimler Kongresi, İzmir, Turkey, 14 - 17 April 1998, pp.72

Supported Projects

SERİN A., CANAN H., ÇEKİN N., Ulubay A., Ay M. Ü., Project Supported by Higher Education Institutions, Suriyeli mültecilerin YSTR haplotip çeşitliliğinin saptanması, 2018 - 2021

Metrics

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Congress and Symposium Activities

13.Adli Bilimler Kongresi, Attendee, Muğla, Turkey, 2016

Sexual Violence Investigation Symposium, Attendee, Adana, Turkey, 2015

1. Uluslararası Adli Biyoloji ve Genetik Kongresi, Attendee, Ankara, Turkey, 2014

World Forensic Festival, Attendee, Seoul, South Korea, 2014

IALM 22nd congress of the international academy of legal medicine, Attendee, İstanbul, Turkey, 2012

Mediterranean Academy of Forensic Science Meeting,, Attendee, Antalya, Turkey, 2009

8. Ulusal Adli bilimler sempozyumu,, Attendee, Turkey, 2009

ATUD 2009 kış toplantısı, Attendee, Turkey, 2009

1.Çukurova Bölgesel Adli Tıp Toplantısı, Attendee, Adana, Turkey, 2008

III. Mediterranean Academy of Forensic Sciences Congress, Attendee, Porto, Portugal, 2007

VI. Adli Bilimler Kongresi, Attendee, Turkey, 2004

III. European Academy of Forensic Science Meeting,, Attendee, Turkey, 2003

First Turkish-United States Forensic Sciences Meeting, Attendee, İstanbul, Turkey, 2002

V.Ulusal Adli Bilimler Kongresi, Attendee, Adana, Turkey, 2002

Yıllık Adli Tıp Toplantıları, Attendee, Turkey, 2001

IV. Adli Bilimler Kongresi, Attendee, İstanbul, Turkey, 2000

III.Adli Bilimler Kongresi, Attendee, İzmir, Turkey, 1998