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Personal Information

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Education Information

Expertise In Medicine, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Biyokimya (YI) (Tezli), Turkey 1993 - 1996

Under Graduate, Ege Üniversitesi, Tıp Fakültesi, Tıp Pr., Turkey 1986 - 1992

Foreign Languages

English, C1 Advanced

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

Academic Titles / Tasks

Professor, Ege Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2007 - Continues

Associate Professor, Ege Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2001 - 2007

Expert, Ege Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1996 - 2001

Professional Experience

Dean, Ege Üniversitesi, Tıp Fakültesi, 2016 - 2017

Advising Theses

AYDIN H. H. , Sitrat transport protein inhibisyonunun meme kanseri hücreleri üzerine olan etkilerinin araştırılması, Doctorate, A.BURAK(Student), 2015

AYDIN H. H. , D vitamininin endoplazmik retikulum stres üzerine etkisi, Post Graduate, E.HADDUR(Student), 2013

AYDIN H. H. , İzositrat dehidrogenaz 1 genindeki genetik değişikliklerin glioblastoma multiforme hastalarındaki VEGF ve HIF1a üzerine etkileri, Post Graduate, C.YALAZA(Student), 2013

AYDIN H. H. , Endometrioziste immün cevap ve gen ekspresyonu araştırılması, Post Graduate, Ç.GÖZDE(Student), 2013

AYDIN H. H. , Uzun yaşayanlarda mitokondriyal DNA sekans analizi, Expertise In Medicine, Ö.GÜNEY(Student), 2010

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

1. **Melatonin levels and microRNA (miRNA) relative expression profile in the follicular ambient microenvironment in patients undergoing in vitro fertilization process**

Khan H. L. , Bhatti S, Abbas S, KALOĞLU C., Qurat-ul-Ain Zahra S., Khan Y. L. , Hassan Z., Turhan N. O. , AYDIN H. H.
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- II. **Evaluation of complement system proteins C3a, C5a and C6 in patients of endometriosis**
Karadadaş E, Hortu İ, Ak H, Mete E, Karadadaş N, Hakan A.
CLINICAL BIOCHEMISTRY, vol.81, pp.15-19, 2020 (Journal Indexed in SCI)
- III. **Cell-free nucleic acids and melatonin levels in human follicular fluid predict embryo quality in patients undergoing in-vitro fertilization treatment**
Khan H. L. , Bhatti S, Khan Y. L. , Abbas S, Munir Z, Sherwani I. A. R. K. , Suhail S, Hassan Z, AYDIN H. H.
JOURNAL OF GYNECOLOGY OBSTETRICS AND HUMAN REPRODUCTION, vol.49, no.1, 2020 (Journal Indexed in SCI)
- IV. **Is overactive bladder microvasculature disease a component of systemic atherosclerosis?**
YENİEL A. Ö. , ERGENOĞLU A. M. , Meseri R, KISMALI E., Ari A, KAVUKÇU G., AYDIN H. H. , AK H., ATAY S., İTİL İ. M.
NEUROUROLOGY AND URODYNAMICS, vol.37, no.4, pp.1372-1379, 2018 (Journal Indexed in SCI)
- V. **R132H Mutation in IDH1 Gene is Associated with Increased Tumor HIF1-Alpha and Serum VEGF Levels in Primary Glioblastoma Multiforme**
YALAZA C., AK H., ÇAĞLI M. S. , ÖZGİRAY E., ATAY S., AYDIN H. H.
ANNALS OF CLINICAL AND LABORATORY SCIENCE, vol.47, no.3, pp.362-364, 2017 (Journal Indexed in SCI)
- VI. **High concentration calcitriol induces endoplasmic reticulum stress related gene profile in breast cancer cells**
Ozkaya A. B. , AK H., AYDIN H. H.
BIOCHEMISTRY AND CELL BIOLOGY, vol.95, no.2, pp.289-294, 2017 (Journal Indexed in SCI)
- VII. **Microarray gene expression analysis of uterosacral ligaments in uterine prolapse**
AK H., ZEYBEK B., ATAY S., AŞKAR N., AKDEMİR A., AYDIN H. H.
CLINICAL BIOCHEMISTRY, vol.49, pp.1238-1242, 2016 (Journal Indexed in SCI)
- VIII. **Genome-Wide Association Study of Copy Number Variations in Patients with Familial Neurocardiogenic Syncope**
DEMİR E., HASDEMİR C., AK H., ATAY S., AYDIN H. H.
BIOCHEMICAL GENETICS, vol.54, no.4, pp.487-494, 2016 (Journal Indexed in SCI)
- IX. **TPH1 A218 allele is associated with suicidal behavior in Turkish population**
beden o., ŞENOL E., ATAY S., AK H., ALTINTOPRAK A. E. , KIYAN G. S. , Petin B., Yaman U., AYDIN H. H.
LEGAL MEDICINE, vol.21, pp.15-18, 2016 (Journal Indexed in SCI)
- X. **Effect of complete hilar versus only renal artery clamping on renal histomorphology following ischemia/reperfusion injury in an experimental model**
Umul M., ÇAL A. Ç. , TURNA B., ÖKTEM G., AYDIN H. H.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.20, no.4, pp.589-597, 2016 (Journal Indexed in SCI)
- XI. **Diverse Effects of the Lingzhi or Reishi Medicinal Mushroom, Ganoderma lucidum (Agaricomycetes), in Combination with Tamoxifen Citrate and Doxorubicin in MCF-7 Breast Cancer Cells**
ATAY S., AK H., kalmış e., KAYALAR H., AYDIN H. H.
INTERNATIONAL JOURNAL OF MEDICINAL MUSHROOMS, vol.18, no.6, pp.489-499, 2016 (Journal Indexed in SCI)
- XII. **The effect of calcitriol on endoplasmic reticulum stress response**
Haddur E., Ozkaya A. B. , AK H., AYDIN H. H.
BIOCHEMISTRY AND CELL BIOLOGY-BIOCHIMIE ET BIOLOGIE CELLULAIRE, vol.93, no.3, pp.268-271, 2015 (Journal Indexed in SCI)
- XIII. **Targeting Mitochondrial Citrate Transport in Breast Cancer Cell Lines**
ÖZKAYA A. B. , AK H., ATAY S., AYDIN H. H.
Anti-Cancer Agents In Medicinal Chemistry, vol.15, pp.374-381, 2015 (Journal Indexed in SCI Expanded)
- XIV. **Effects of Ganoderma lucidum (Higher Basidiomycetes) Extracts on the miRNA Profile and Telomerase Activity of the MCF-7 Breast Cancer Cell Line**
gönül ö., AYDIN H. H. , kalmış e., KAYALAR H., ÖZKAYA A. B. , ATAY S., AK H.
International Journal Of Medicinal Mushrooms, vol.17, pp.231-239, 2015 (Journal Indexed in SCI)
- XV. **Mitochondrial DNA polymorphisms associated with longevity in the Turkish population**

- güney ö., AK H., ATAY S., ÖZKAYA A. B. , AYDIN H. H.
Mitochondrion, vol.17, pp.7-13, 2014 (Journal Indexed in SCI Expanded)
- XVI. **Overexpression of complement C5 in endometriosis**
ASLAN C., AK H., ASKAR N., ÖZKAYA A. B. , ERGENOĞLU A. M. , YENİEL A. Ö. , AKDEMİR A., AYDIN H. H.
CLINICAL BIOCHEMISTRY, vol.47, no.6, pp.496-498, 2014 (Journal Indexed in SCI)
- XVII. **Increased expression of electron transport chain genes in uterine leiomyoma**
TUNCAL a., AYDIN H. H. , AŞKAR N., ÖZKAYA A. B. , ERGENOĞLU A. M. , YENİEL A. Ö. , AKDEMİR A., AK H.
Annals Of Clinical And Laboratory Science, vol.44, pp.466-468, 2014 (Journal Indexed in SCI Expanded)
- XVIII. **GENOME-WIDE COPY NUMBER VARIATION ANALYSIS IN IDIOPATHIC INTELLECTUAL DISABILITY/MULTIPLE CONGENITAL ANOMALIES**
Pariltay E., Durmaz A., Durmaz B., Aykut A., Onay H., Ak H., Aydın H. H. , Ozkinay F. F. , Cogulu O.
GENETIC COUNSELING, vol.25, no.2, pp.221-229, 2014 (Journal Indexed in SCI)
- XIX. **How to develop a reliable and feasible tool for assessment of postgraduate education training in laboratory medicine**
Akçay Y., Yıldırım Sözmen E., Girgin Sağın F., Aydın H. H. , Onat T.
Clinical Chemistry And Laboratory Medicine, vol.52, pp.1790, 2014 (Journal Indexed in SCI)
- XX. **Polymorphisms in the activin A receptor type 2A gene affect the onset time and severity of preeclampsia in the Turkish population**
Zeybek B., Celik H., AYDIN H. H. , Askar N.
JOURNAL OF PERINATAL MEDICINE, vol.41, no.4, pp.389-399, 2013 (Journal Indexed in SCI)
- XXI. **Demonstration of Uniparental-Isodisomy on Chromosome 22q11.2 in a Patient With Childhood Schizophrenia and Facial Dysmorphology by Whole-Genome Analysis**
Cogulu O., Pariltay E., Durmaz A. A. , Aykut A., Gunduz C., Ozbaran B., Aydın H. H. , Erermis S., Aydın C., Ozkinay F.
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- XXII. **Valproatla İlişkili Üreme Hormon Bozuklukları: Bipolar Erkekler Epilepsili Erkekler Kadar Risk Altında mı**
ALDEMİR E., AKDENİZ F., ALTAY A. B. , ARICI Ş., UMUL M., AYDIN H. H. , ÇELEBİSOY M., VAHİP S.
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- XXIII. **Valproate-Associated Reproductive Hormone Abnormalities: Do Bipolar Men have the Same Risk as Epileptic Men?**
Aldemir E., Akdeniz F., Altay A. B. , Arici S., Umul M., Aydın H. H. , Celebisoy M., VAHİP S.
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- XXIV. **Abnormal Semen Parameters in Bipolar Men Treated with Valproate**
Aldemir E., Altay A. B. , AKDENİZ F., ARICI S., UMUL M., ÖZTÜRK U., AYDIN H. H. , ÇELEBİSOY M., Vahip S.
TURK PSIKIYATRI DERGISI, vol.23, no.2, pp.145-146, 2012 (Journal Indexed in SSCI)
- XXV. **Valproat Tedavisi Gören Bipolar Erkek Hastalarda Semen Parametrelerinde Anormallikler**
ALDEMİR E., ALTAY A. B. , AKDENİZ F., ARICI Ş., UMUL M., ÖZTÜRK U., AYDIN H. H. , ÇELEBİSOY M., VAHİP S.
Türk Psikiyatri Dergisi, vol.23, pp.145-146, 2012 (Journal Indexed in SSCI)
- XXVI. **Determination of the effects of Alcohol Dehydrogenase (ADH) 1B and ADH1C polymorphisms on alcohol dependence in Turkey**
AKTAŞ E. Ö. , KOÇAK A., ŞENOL E., Celik H., COŞKUNOL H., BERDELİ A., AYDIN H. H.
SCIENCE & JUSTICE, vol.52, no.1, pp.58-61, 2012 (Journal Indexed in SCI)
- XXVII. **The interaction between antioxidant status and cervical cancer: a case control study**
Demirci S., OZSARAN Z., CELIK H., ARAS A., AYDIN H. H.
TUMORI, vol.97, no.3, pp.290-295, 2011 (Journal Indexed in SCI)
- XXVIII. **Calcineurin inhibitor-based and free regimens have distinct gene expression patterns in subclinical graft fibrosis**
TÖZ H., ŞEN S., CELIK H., YILMAZ M., HUR E., HOŞÇOŞKUN C., ÖZKAHYA M., AYDIN H. H.
ANNALS OF TRANSPLANTATION, vol.16, no.2, pp.76-87, 2011 (Journal Indexed in SCI)
- XXIX. **Transcriptional Profiling of Septal Wall of the Right Ventricular Outflow Tract in Patients with Idiopathic Ventricular Arrhythmias**

- HASDEMİR C., AYDIN H. H. , Celik H., ŞİMŞEK E., PAYZIN S., Kayikcioglu M., AYDIN M., Kultursay H., CAN L. H.
PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY, vol.33, no.2, pp.159-167, 2010 (Journal Indexed in SCI)
- XXX. **Increased myocardial collagen turnover in patients with progressive cardiac conduction disease**
Bozkaya Y. T. , AYDIN H. H. , Celik H., Kayikcioglu M., PAYZIN S., Kultursay H., Aydin M., Yesil M., CAN L. H. ,
HASDEMİR C.
PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY, vol.31, no.10, pp.1284-1290, 2008 (Journal Indexed in SCI)
- XXXI. **The interaction between taxoids and serine/threonine protein phosphatase activities during taxan-induced apoptosis of HL 60 leukemic cells**
ŞAHİN F., CELİK H., AYDIN H. H. , ÖKTEM G., Omay S. B. , SAYDAM G.
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- XXXII. **Protein phosphatase 2A (PP2A) has a potential role in CAPE-induced apoptosis of CCRF-CEM cells via effecting human telomerase reverse transcriptase activity.**
Avci C. B. , Sahin F., Gunduz C., Selvi N., Aydin H. H. , Oktem G., Topcuoglu N., Saydam G.
Hematology (Amsterdam, Netherlands), vol.12, no.6, pp.519-25, 2007 (Journal Indexed in SCI Expanded)
- XXXIII. **PP2A has a potential role in CAPE induced apoptosis of CCRF CEM cells via effecting human telomerase reverse transcriptase activity**
BİRAY AVCI Ç., ŞAHİN F., GÜNDÜZ C., SELVİ GÜNEL N., AYDIN H. H. , ÖKTEM G., TOPCUOĞLU N., SAYDAM G.
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- XXXIV. **Potential involvement of serine/threonine protein phosphatases in apoptosis of HepG2 cells during selenite treatment**
Celik H., Kircelli F., Saydam G., Aydin H. H.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.117, pp.65-75, 2007 (Journal Indexed in SCI)
- XXXV. **Sodium selenite protects against diabetes-induced alterations in the antioxidant defense system of the liver**
Ayaz M., Celik H., Aydin H. H. , Turan B.
DIABETES-METABOLISM RESEARCH AND REVIEWS, vol.22, no.4, pp.295-299, 2006 (Journal Indexed in SCI)
- XXXVI. **Automatic indigo measurement system as part of a dosing system for indigo dyeing**
Kumbasar E. P. , AYDIN H. H. , Ondogan Z., OZCELIK M., Ondogan E. N.
FIBRES & TEXTILES IN EASTERN EUROPE, vol.14, no.3, pp.86-90, 2006 (Journal Indexed in SCI)
- XXXVII. **Lack of association between TNF alpha gene polymorphism at position-308 and risk of acute rheumatic fever in Turkish patients**
Berdeli A., TABEL Y., CELİK H., OZYÜREK R., DOGRUSOZ B., AYDIN H. H.
SCANDINAVIAN JOURNAL OF RHEUMATOLOGY, vol.35, no.1, pp.44-47, 2006 (Journal Indexed in SCI)
- XXXVIII. **Effects of N-acetylcysteine treatment on oxidative stress in acetic acid-induced experimental colitis in rats**
AKGUN E., Caliskan C., CELİK H., OZUTEMİZ A. Ö. , TUNCYUREK M., AYDIN H. H.
JOURNAL OF INTERNATIONAL MEDICAL RESEARCH, vol.33, no.2, pp.196-206, 2005 (Journal Indexed in SCI)
- XXXIX. **Thrombin activatable fibrinolysis inhibitor in Behcet's disease**
Donmez A., Aksu K., Celik H., Keser G., Cagirgan S., Omay S., Inal V., Aydin H. H. , Tombuloglu M., Doganavsargil E.
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- XL. **Laser machine creates patterns in fabric**
Ondogan Z., PAMUK O., DALBASTI T., AYDIN H. H. , OZCELIK M.
LASER FOCUS WORLD, vol.41, no.1, pp.167-0, 2005 (Journal Indexed in SCI)
- XLI. **Induction of apoptosis by fatty acid ethyl esters in HepG2 cells**
Aydin H. H. , Celik H., Devenci R., KARAÇALI S., Saydam G., Omay S. B. , Batur Y.
FOOD AND CHEMICAL TOXICOLOGY, vol.43, no.1, pp.139-145, 2005 (Journal Indexed in SCI)
- XLII. **Involvement of immunoglobulin Fc gamma RIIA and Fc-gamma RIIIB gene polymorphisms in susceptibility to rheumatic fever**
Berdeli A., CELİK H., Ozyurek R., Aydin H. H.
CLINICAL BIOCHEMISTRY, vol.37, no.10, pp.925-929, 2004 (Journal Indexed in SCI)
- XLIII. **Biochemical and morphological characteristics of selenite-induced apoptosis in human hepatoma**

Hep G2 cells

Celik H., Aydin H. H. , Deveci R., Terzioglu E., KARAÇALI S., Saydam G., Akarca U. S. , BATUR Y.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.99, pp.27-39, 2004 (Journal Indexed in SCI)

- XLIV. **Alterations in the activity and expression of serine/threonine protein phosphatases during all trans retinoic acid-induced apoptosis in breast cancer cells**
SANLI U. A. , Uslu R., KARABULUT B., SEZGIN C., SELVI N., AYDIN H. H. , SAYDAM G., GOKER E., OMA S.
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- XLV. **Characterization of the cellular response during apoptosis induction in cadmium-treated Hep G2 human hepatoma cells**
Aydin H. H. , Celik H., Deveci R., Terzioglu E., KARAÇALI S., Mete N., Akarca U. S. , BATUR Y.
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- XLVI. **Characterization of the cellular response during apoptosis induction in cadmium treated Hep G2 human hepatoma cells**
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- XLVII. **Involvement of protein phosphatase 2A in interferon-alpha-2b-induced apoptosis in K562 human chronic myelogenous leukaemia cells**
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- XLVIII. **Cytotoxic and inhibitory effects of 4,4-dihydroxy chalcone (RVC-588) on proliferation of human leukemic HL-60 cells**
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- XLIX. **Role of thiocyanate ion in metallothionein induction and in endogenous distribution of essential elements in the rat liver**
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- L. **Trace elements analysis of ascitic fluid in benign and malignant diseases**
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- LI. **Up-regulation of serine/threonine protein phosphatase type 2A regulatory subunits during methylprednisolone-induced differentiation of leukaemic HL-60 cells**
AYDIN H. H. , SELVI N., SAYDAM G., TOBU M., UZUNOGLU S., Uslu R., BUYUKKECECI F., OMA S.
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- LII. **Undergraduate laboratory work in biochemistry and new perspectives**
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Articles Published in Other Journals

- I. **Çeşitli Yangınsal Hastalıklarda Lökotrien taininin Klinik Biyokimyasal Önemi.**
HUSEYİNOV A., ÇOKER C., AYDIN H. H. , ERSÖZ B.
e-Türk Biyokimya Dergisi (elektronik), no.2, pp.23-31, 1996 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **In vitro Pankreas Kanseri Modelinde GW8510 ve Gemsitabin Arasındaki Sinerjik Etkileşimler**
GENÇALP D., ATAY S., AYDIN H. H. , AK H.
31. Ulusal Biyokimya Kongresi, Online Kongre, Turkey, 18 - 20 December 2020

- II. **Is Overactive Bladder Microvasculature Disease a Component of Systemic Atherosclerosis?**
YENİEL A. Ö. , ERGENOĞLU A. M. , MESERİ DALAK R., KISMALI E., KAVUKÇU G., ARI A., AYDIN H. H. , AK H., ATAY S., İTİL İ. M.
47th Annual Meeting of the International-Continence-Society (ICS), Florence, Italy, 12 - 15 September 2017, vol.36, pp.179-180
- III. **Investigating the effects of Hericium erinaceus extracts on telomerase activity in MCF-7 cells**
Gencalp D., AK H., AYDIN H. H. , Kalmis E., KAYALAR H.
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- IV. **Diverse effects of ganoderma lucidum in combination with tamoxifen citrate and doxorubicin in MCF-7 breast cancer cells**
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41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.166
- V. **Targeting mitochondrial citrate transport in cancer**
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40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.250-251
- VI. **Türkiye deki Kemiğin Paget Hastalığının Klinik Özellikleri Çok Merkezli Çalışma**
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- VII. **Association of IDH1 Gene R132H Mutation and Increased Tumor HIF1- α and Serum VEGF Levels in Primary Glioblastoma Multiforme**
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- VIII. **Investigating expression levels of genes responsible for electron transport chain in uterine fibroid**
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- IX. **Antioxidant activities of 13 marine macroalgae collected from the coast of Urla and effects of Padina pavonica on cell growth of MCF-7 breast cancer cell line.**
KOZCU F. G. , SUKATAR A., AYDIN H. H. , ÖZKAYA A. B.
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- X. **GENE EXPRESSION PROFILING UNDER DIFFERENT IMMUNOSUPPRESSIVE PROTOCOLS**
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ESOT 2009, PARIS, Paris, France, 31 August 2009, vol.1, pp.100
- XI. **Plazma chromogranin A levels in diarrhea dominant irritable bowel syndrome.**
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DIGESTIVE DISEASE WEEK (DDW), NEW ORLEANS, United States Of America, 30 May - 04 June 2009
- XII. **TLR-2 gene ARG753GLN polymorphism is strongly associated with acute rheumatic fever in children**
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Annual European Congress of Rheumatology, Vienna, Austria, 8 - 11 June 2005, vol.64, pp.72
- XIII. **SERİN/TREONİN PROTEİN FOSFATAZ İNHİBİTÖRLERİ PAKLİTAKSEL DOSETAKSEL İLE İNDÜKLENEN HL-60 LÖSEMİK HÜCRE SİTOTOKSİSİTESİNİ ARTTIRIRLAR**
ŞAHİN F., SAYDAM G., AYDIN H. H. , SELVİ GÜNEL N., ÖKTEM G., MÜEZZİNOĞLU G. G. , OMA S. B.
XXX. ULUSAL HEMATOLOJİ KONGRESİ, İstanbul, Turkey, 10 - 14 October 2003, vol.20, pp.54
- XIV. **Induction of Apoptosis and Differentiation by Sodium Selenide in Human Hepatoma Hep G2 Cells**
AYDIN H. H. , AK H., TERZİOĞLU E., DEVECİ R., ÖZCAN A., ERDEM N., AKARCA U. S. , BATUR Y.
Ege Üniversitesi Tıp Fakültesi I. Bilimsel Araştırma Şenliği, İzmir, Turkey, 11 January 2001, pp.64
- XV. **Induction of Apoptosis and Differentiation by Fatty Acid Ethyl Esters in Human Hepatoma Hep G2**

Cells

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