ÖZGEÇMİŞ

1. Adı Soyadı : GÜLŞAH KOÇ

2. Doğum Tarihi : 10.07.1981

3. Ünvanı : Doktor (Bilim Doktorası)

4. İletişim Bilgileri : Florya Yerleşkesi (Halit Aydın Yerleşkesi)

Beşyol Mah.Inönü Cad.No: 38

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5. Öğrenim Durumu :

Derece	Alan	Üniversite	Yıl
Lisans	Moleküler Biyoloji ve Genetik	Haliç Üniversitesi	2005
Yüksek Lisans	Tıbbi Biyoloji ve Genetik	Marmara Üniversitesi	2009
Doktora	Tıbbi Biyoloji ve Genetik	Marmara Üniversitesi	2013

6. Akademik Geçmiş:

2009-2014 Araştırmacı, Marmara Üniversitesi Tıp Fakültesi Tıbbi Genetik A.D.

2015-2016 Öğretim Görevlisi Dr, İstanbul Aydın Üniversitesi SHMYO Tıbbi Lab. Teknikleri Bölümü

2016- Yardımcı Doçent Doktor, İstanbul Aydın Üniversitesi Tıp Fakültesi, Tıbbi Biyoloji ve Genetik A.D.

7. Eserler

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

7.1.1. Avcilar T., Kirac D., Ergec D., **Koc G.,** Ulucan K, Kaya Z., Kaspar C., Turkeri L., Guney A.I: Investigation of the association between mitochondrial DNA and p53 gene mutations in transitional cell carcinoma of the bladder. Oncology Letters 12: 2872-2879, 2016.

7.1.2. Kirac D., Guney A.I., Akcay T., Guran T., Ulucan K., Turan S., Ergec D., **Koc G.,** Eren F., Kaspar E.Ç., Bereket A.: The frequency and the effects of 21 hydroxylase gene defects in congenital adrenal hyperplasia patients. Annals of Human Genetics (doi: 10.1111/ahg.12083) (2014).

7.1.3. Guney A.I., Ergec D., Kirac D., Ozturhan H., Caner M., **Koc G.,** Kaspar C., Ulucan K., Agırbaslı MA.: Effect of ACE polymorphisms and other risk factors on the severity of coronary artery disease. Genet. Mol. Res. Sep; 12(4): 6895-6906, 2013.

7.1.4. Güney AI., Javadova D., Kırac D., Ulucan K., **Koc G.,** Ergec D., Tavukcu H., Tarcan T.: Detection of Y chromosome microdeletions and mitochondrial DNA mutations in male infertility patients. Genet Mol 11(2): 1039- 1048, 2012.

7.1.5. Guney AI., Ergec D., Tavukcu H.H., **Koc G.,** Kirac D., Ulucan K, Javadova D, Turkeri L.: Detection of mitochondrial DNA mutations in bladder tumours. Genetic Testing and Molecular Biomarkers. Jul;16(7):672-8,2012.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

7.2.1. Gülşah KOÇ, Korkut ULUCAN, Deniz KIRAÇ, Deniz ERGEÇ, Tufan TARCAN, A.İlter GÜNEY: Molecular and cytogenetic evaluation of Y chromosome in spontaneous abortion cases, Journal of Cell and Molecular Biology 7(2) & 8(1): 45-52, 2010.

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceeding) basılan bildiriler

7.3.1. Koc G., Ozdemir A., Girgin G., Avcilar T., Kirac D., Ulucan K., Akbal C., Guney AI.: Autosomal gene defects investigation of male infertility in germ cell aplasia cases. European Journal of Human Genetics; Vol :23,Supl :1, June 2015.

7.3.2. Girgin G., Ozdemir A.A., **Koc G.,** Turkover B.B., Akbal C., Guney AI. : Investigating autosomal recessive gene defects in severe oligospermic and azospermic infertile men. European Journal of Human Genetics; Vol :21,Supl :2, June 2013.

7.3.3. Soylemez MA., Delil K., Simsek H., Tafazzoli A, Gultepe P., Avsar M., Ergunsu S., Haklıgur N., Girgin G., Kazan H., **Koc G.,** Avcılar T., Erzik C., Jovaroq M., Guney A .: ‘‘Congenital Right Tibia Diaphysis Amputation and Bilateral Nephrolithiasis in a 6-Months-old child’’. European Journal of Human Genetics; Vol :21,Supl :2, June 2013.

7.3.4. Avcilar T., Kirac D., Ergec D., **Koc G.,** Ulucan K., Kaya Z., Kaspar EC., Turkeri L., Guney AI.: Detection of p53 gene mutations and ATPase6, Cytb, ND1 and D310 mtDNA mutations in bladder carcinomas. European Journal of Human Genetics; Vol :21,Supl :2, June 2013

7.3.5. Soylemez M.A., Tafazzoli A., Kazan H., Gultepe P., **Koc G.,** Girgin G., Avcılar T., Ergunsu S., Avsar M., Erzik C., Gulcebi M., Guney AI.: Is Referon-A (Interferon alpha-2a) Teratogenic Risk FactorX? European Journal of Human Genetics; 20(1), 2012.

7.3.6. Kirac D., Ulucan K., Ergec D., Guran T., Akcay T., **Koc G.,** Kaspar EC., Bereket A., Isbir T., Guney AI.: Whole CYP21A2 gene analysis of congenital adrenal hyperplasia patients due to 21- hydroxylase deficiency, European Journal of Human Genetics; 20(1), 297, 2012.

7.3.7. Kirac D., Ulucan K., Ergec D., Guran T., Akcay T., Eren F., **Koc G.,** Kaspar EC., Bereket A., Isbir T., Guney AI.: CYP21A2 Analysis Of Congenital Adrenal Hyperplasia Patients Due To 21- hydroxylase Deficiency, 4th International Congress of Molecular Medicine, 27- 30 June, Istanbul, 2011.

7.3.8. Koc G., Ulucan K., Kirac D., Ergec D., Tarcan T., Guney AI.: Y chromosome evaluation in spontaneous abortion cases. European Human Genetics, Vol.19, Sup.2, May 2011.

7.3.9. Guney AI., Ergec D., Kirac D., Ozturhan HS., Caner M., Ulucan K., **Koc G.,** Agirbasli M: Effects of AcE polymorphisms on severity of coronary artery diseases may be related with hyperlipidemia. European Human Genetics, Vol.19, Sup.2, May 2011.

7.3.10. Guney AI., Akcay T., Kırac D., Ergec D., Ersoy B., Celebiler O., **Koc G.,** Ulucan K.: MSX1 gene, as a candidate gene, is not a risk factor for non- syndromic cleft lip and palate formation in Turkish population. European Human Genetics, Vol.19, Sup.2, May 2011.

7.3.11. Javadova D., **Koc G.,** Ulucan K., Ergec D., Ergunsu S., Ozyurek M., Kırac D., Tavukcu H., Tarcan T., Guney AI.: The relationship between Sperm mtDNA mutations, sperm parameters and Genetic Testing Results in Male Infertility, European Journal of Human Genetics, Vol:17, Supl.:2, May 2009.

7.3.12. Kirac D., Ulucan K., Ergec D., Guran T., Akcay T., Eren F., **Koc G.,** Javadova D., Kaspar EC., Ozden I., Bereket A., Guney AI.: The frequency of 21 hydroxylase gene defects, phenotypic effects and other molecular mechanisms in congenital adrenal hyperplasia patients in Turkish populations, European Journal of Human Genetics, Vol:17, Supl.:2, May 2009.

7.3.13. Ergec D., Tavukcu HH., **Koc G.,** Ozyurek M., Javadova D., Ulucan K., Kırac D., Turkeri L., Guney AI.: Investigation of the relationship between mitochondrial DNA and transitional cell carcinoma of the bladder, European Journal of Human Genetics, Vol:17, Supl.:2, May 2009.

7.3.14. Ulucan K., Kirac D., Akcay T., Javadova D., **Koc G.,** Ergec D., Guney AI.: Infant C677TT Genotype of the MTHFR gene risk factor non- syndromic cleft lip with/ without palate, European Journal of Human Genetics, Vol:17, Supl.:2, May 2009.

7.4. Ulusal hakemli dergilerde yayınlanan makaleler

7.4.1. Fatih BAYRAKLI, Erdoğan AYAN, Bekir AKGÜN, **Gülşah KOÇ,** İlter GÜNEY, İlhan ELMACI: Von Hippel-Lindau Hastalığı Olan iki Ailede VHL Geninde Bulunan Mutasyonlar. Türk Nöroşirürji Dergisi 2010, Cilt: 20, Sayı: 3, 135-138 135

7.5. Ulusal bilimsel toplantılarda sunulan bildiri kitabında basılan bildiriler

7.5.1. Deniz Kıraç, Korkut Ulucan, Deniz Ergeç, Tülay Güran, Teoman Akçay, Fatih Eren, **Gülşah Koç,** Dilara Javadova, Elif Çigdem Kaspar, İnci Özden, Abdullah Bereket, A. İlter Güney: 21- hidroksilaz enzim eksikliğine bağlı konjenital adrenal hiperplazi vakalarında CYP21A2 analizi, Endokrin Hastalıklar ve Genetik Sempozyumu, Bolu, 2009. (Sözel sunum)

7.5.2. D. Ergec, HH Tavukcu, **G Koc**, D Kırac, K Ulucan, D Javadova, L Turkeri, AI Guney.: Detection of Mitochondrial DNA mutations in bladder tumours. Clinical Genetics, Vol: 78, Supp. 1, 2010. (Sözel sunum)

7.5.3. Tuba Avcılar, Deniz Kıraç, Deniz Ergeç, **Gülşah Koç,** Korkut Ulucan, Zehra Kaya, E. Çiğdem Kaspar, Levent Türkeri, Ahmet İlter Güney: Mesane Tümörlerinde mitokondriyal DNA ve p53 Gen Mutasyonlarının İncelenmesi. 10. Tıbbi Genetik Kongresi, 216 pp., Bursa, Türkiye, Aralık 2012.

7.5.4. Deniz Kıraç, Korkut Ulucan, Deniz Ergeç, Tülay Güran, Teoman Akçay, **Gülşah Koç,** Fatih Eren, Elif Çigdem Kaspar, Abdullah Bereket, Ahmet İlter Güney: 21- hidroksilaz eksikliğine bağlı konjenital adrenal hiperplazi oluşumuna neden olan CYP21A2 gen mutasyonlarının araştırılması. XIII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Aydın, 2013.

7.5.5. Gülşah Koç, A. Arman Özdemir, Gözde Girgin, Tuba Avcılar, Deniz Kıraç, Korkut Ulucan, Cem Akbal, A.İlter Güney. Erkek İnfertilitesinde, Germ Aplazisi Vakalarında Otozomal Gen Kusurlarının Araştırılması. XIII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Aydın, 2013 (Sözel Sunum).

7.5.6. Korkut Ulucan, Canan Sercan, Sezgin Kapıcı, Esra Arslan Ateş, **Gülşah Koç,** Kaan Yılancıoğlu, Mesut Karahan, Ahmet İlter Güney, Muhsin Konuk, Nevzat Tarhan. CYP1A2 Genotipinin Belirlenmesinin Psikiatrik Ilaç Tedavisi Altındaki Hastalar Için Önemi. XII. Ulusal Tıbbi Genetik Kongresi, İzmir,2016.

8.Projeler

8.1. Erkek İnfertilitesinde, Germ Aplazisi Vakalarında Otozomal Gen Kusurlarının Araştırılması- Bilimsel Araştırma Projeleri Birimi (BAP) Marmara Üniversitesi (2011-2013) (Doktora Tez) (Araştırmacı)

8.2. Erkek İnfertilitesi Vakalarında Otozomal Gen Kusurlarının Araştırılması- Bilimsel Araştırma Projeleri Birimi (BAP) Marmara Üniversitesi (2012-2014) (Araştırmacı)

9. Editörlük/ Hakemlik :

9.1. Marmara Üniversitesi Sağlık Bilimleri Enstitüsü Dergisi (MÜSBED) (Derleme Hakemliği)

(Sporcu sağlığı ve atletik performansta D vitamini ve reseptörünün önemi-MÜSBED 2015;5(4):259-264

Derleme / Review)

9.2. Acıbadem Üniversitesi Sağlık Bilimleri Dergisi (ISSN) (Derleme Hakemliği)

(Spor Genomiğinde Mitokondriyal DNA Çalışmaları, 2016, Derleme)

9.3. Cellular and Molecular Biology (ISSN) (Makale Hakemliği)

(Effects of PAX9 and MSX1 Gene Variants to Hypodontia, Tooth Size and The Type of Congenitally Missing Teeth- Article, 2016)

9.4. Cellular and Molecular Biology (ISSN) (Makale Hakemliği)

(A pilot study for determination of anxiety related SLC6A4 promoter S and L alleles in Turksh athlete- Article, 2017).

9.5. Clinical and Experimental Health Sciences (ISSN) (Makale Hakemliği)

(Analyses of vitamin D receptor Fok1 (rs2228570) and Bsm1 (rs1544410) polymorphism in turkish athletes - Article, 2017).

10. Bilimsel Kuruluşlara Üyelikler

Tıbbi Biyoloji ve Genetik Derneği

Moleküler Kanser Araştırma Derneği (MOKAD)

Türk Fizyolojik Bilimler Derneği (TFBD)

European Society of Human Genetics (ESHG)

11. Ödüller

11.1. Avrupa Tıbbi Genetik kongresinde, "The Relationship between Sperm mtDNA Mutations, Sperm Parameters and Genetic Testing Results in Male Infertility" isimli çalışma ile fellowship kazanıldı (European Human Genetics Conference, Vienna, Austria May 23-26, 2009).

11.2. Avrupa Tıbbi Genetik kongresinde, 'Infant C677TT Genotype of the MTHFR gene risk factor non-syndromic cleft lip with/ without palate' isimli çalışma ile fellowship kazanıldı (European Human Genetics Conference, Vienna, Austria May 23-26, 2009).

11.3. Avrupa Tıbbi Genetik kongresinde, ''Congenital Right Tibia Diaphysis Amputation and Bilateral Nephrolithiasis in a 6-Months-old child''. isimli çalışma ile fellowship kazanıldı (European Human Genetics Conference,Nurnberg,Germany June 2012).

11.4. Endokrin Hastalıklar ve Genetik Sempozyumu, "Whole CYP21A2 gene analysis of congenital adrenal hyperplasia patients due to 21-hydroxylase deficiency" çalışması ile sözel sunum ödülü kazanıldı (Abant, Bolu, Türkiye, 8-10 Ekim, 2009).

12. Son iki yılda verdiği lisans ve lisansüstü düzeydeki dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2016-2017	Güz	Tıbbi Biyoloji ve Genetik (Tıp Fakültesi 1.sınıf)	2		60
		Tıbbi Biyoloji (Diş Hekimliği Fakültesi 1. Sınıf)	3		117
		Tıbbi Biyoloji (Diş Hekimliği Fakültesi 2. Sınıf 1.grup)	3		58
		Tıbbi Biyoloji (Diş Hekimliği Fakültesi 2. Sınıf 2.grup)	3		53
	İlkbahar	Tıbbi Biyoloji ve Genetik (Tıp Fakültesi 1.sınıf)	2		60
		Tıbbi Biyoloji ve Genetik (Sağlık Bilimleri Fakültesi Çocuk Gelişimi 1.Sınıf)	2		110

13 ATIFLAR

-Atıf alan yayın sayısı: 5

- Toplam Atıf sayısı: 75

Makale 1

The frequency and the effects of 21 hydroxylase gene defects in congenital adrenal hyperplasia patients.

Atıflar

Preventing female virilisation in congenital adrenal hyperplasia: The controversial role of antenatal dexamethasone. Sarah Heland, Jacqueline K. Hewitt, George McGillivray, Susan P. Walker Australian and New Zealand Journal of Obstetrics and Gynaecology. Volume 56, Issue 3, Version of Record online: 10 DEC 2015 DOI: 10.1111/ajo.12423.

The spectrum of CYP21A2 mutations in Congenital Adrenal Hyperplasia in an Indian cohort. Ragini Khajuriaa, Rama Waliab, Anil Bhansalib, Rajendra Prasad. Clinica Chimica Acta. Volume 464, January 2017, Pages 189–194.

Structure-based activity prediction of CYP21A2 stability variants: A survey of available gene variations. Carlos D. Bruque, Marisol Delea, Cecilia S. Fernández, Juan V. Orza, Melisa Taboas, Noemí Buzzalino, Lucía D. Espeche, Andrea Solari, Verónica Luccerini, Liliana Alba, Alejandro D. Nadraand Liliana Dainb. Sci Rep. 2016; 6: 39082.

Makale 2

Effect of ACE polymorphisms and other risk factors on the severity of coronary artery disease.

Atıflar

Renin–angiotensin system gene polymorphisms among Saudi patients with coronary artery disease. Amal Al-Hazzani, Mohamed S Daoud, Farid S Ataya, Dalia Fouad and Abdulaziz A Al-Jafari. Journal of Biological Research-Thessaloniki 201421:8 DOI: 10.1186/2241-5793-21-8.

Two tag SNPs rs352493 and rs3760908 within SIRT6 Gene Are Associated with the Severity of Coronary Artery Disease in a Chinese Han Population. Sai-sai Tang, Shun Xu, Jie Cheng, Meng-yun Cai, Lin Chen, Li-li Liang, Xi-li Yang, Can Chen, Xin-guang Liu, and Xing-dong Xiong. Disease Marker. Volume (2016), Article ID 1628041, 8 pages.

Genç Basketbolcularda Anjiotensin Dönüştürücü Enzim (ACE I/D) ve Alfa- Aktinin-3 (ACTN3 R577X) Gen Polimorfizmlerinin Belirlenmesi İçin Pilot Bir Çalışma. Korkut ULUCAN, Nurdan ÇAM, Canan SERCAN, Berkay AKBAŞ, Fırat UYUMAZ, Sevim YALCIN. Spor Bilimleri Dergisi Hacettepe Journal of Sport Sciences 2015, 26 (3), 44–50.

The Evaluation of Angiotensin-converting Enzyme (ACE) Gene I/D and IL-4 Gene Intron 3 VNTR Polymorphisms in Coronary Artery Disease. NURSAH BASOL, ATAC CELIK, NEVIN KARAKUS, SIBEL DEMIR OZSOY and SERBULENT YIGIT. In Vivo September-October 2014 28 (5) 983-987.

Arterial Stiffness, BMI, Dipping Status and ACE D/I Polymorphism in Type 1 Diabetic Children. I Pietrzak, W Fendler, I Dróżdż. Experimental and, 2016.

Genetic determinism in the acute coronary syndrome. APĂVĂLOAIE, MARIA-CRISTINA; BARARU, IRIS; JITARU, DANIELA; CIOCOIU, MANUELA; BĂDESCU, MAGDA; GEORGESCU, CĂTĂLINA ARSENESCU. Romanian Journal of Artistic Creativity . Spring2016, Vol. 4 Issue 1, p173-181. 9p.

Pharmacogenetics of statin therapy and the endothelial function parameters in patients with type 2 diabetes mellitus. Lebedeva N.O., Vikulova O.K., Nikitin A.G., Shamkhalova M.S., Shestakova M.V., Dedov I.I. Issue: Vol 19, No 3 (2016)

The Effect of ACE I/D Polymorphisms Alone and With Concomitant Risk Factors on Coronary Artery Disease. Ahmed Amara, Meriem Mrad, Aicha Sayeh, Dhaker Lahideb, Samy Layouni, Abdeddayem Haggui, Najiba Fekih-Mrissa, Habib Haouala, Brahim Nsiri. CLIN APPL THROMB HEMOSTPublished online before print November 28, 2016, doi: 10.1177/1076029616679505

Genetics of Hypertension: What Is Next? Tariq Horani, Robert G. Best, Elizabeth Edwards, Donald J. DiPette. Curr Cardiovasc Risk Rep (2015) 9: 1. doi:10.1007/s12170-014-0429-y

Influence of ACE I/D Polymorphism on Circulating Levels of Plasminogen Activator Inhibitor 1, D-Dimer, Ultrasensitive C-Reactive Protein and Transforming Growth Factor β1 in Patients Undergoing Hemodialysis. Sara Santos de Carvalho, Ana Cristina Simões e Silva, Adriano de Paula Sabino, Fernanda Cristina Gontijo Evangelista, Karina Braga Gomes, Luci Maria SantAna Dusse, Danyelle Romana Alves Rios Published: March 29, 2016http://dx.doi.org/10.1371/journal.pone.0150613

Association Between ACE Gene Polymorphism and QT Dispersion in Patients with Acute Myocardial Infarction. Zulkuf Karahan, Murat Ugurlu, Berzal Ucaman, Ali Veysel Ulug, Ilyas Kaya, Kemal Cevik, Mehmet Sahin Adiyaman, Onder Oztürk, Hikmet Iyem, Ferit Ozdemir. The Open Cardiovascular Medicine Journal ISSN: 1874-1924 — Volume 10, 2016

Case–control association study of polymorphisms in the angiotensinogen and angiotensin-converting enzyme genes and coronary artery disease and systemic artery hypertension in African-Brazilians and Caucasian-Brazilians. RICARDO BONFIM-SILVALARISSA OLIVEIRA GUIMARÃESJANDSON SOUZA SANTOSJAQUELINE FAGUNDES PEREIRAANA ANGÉLICA LEAL BARBOSADOMINGOS LAZARO SOUZA RIOS. Journal of Genetics March 2016, Volume 95, Issue 1, pp 63–69

High Incidence of ACE/PAI-1 in Association to a Spectrum of Other Polymorphic Cardiovascular Genes Involving PBMCs Proinflammatory Cytokines in Hypertensive Hypercholesterolemic Patients: Reversibility with a Combination of ACE Inhibitor and Statin. Jeanne d'Arc AlBacha , Mira Khoury , Charbel Mouawad, Katia Haddad, Samar Hamoui, Albert Azar, Ziad Fajloun, Nehman Makdissy Published: May 14, 2015http://dx.doi.org/10.1371/journal.pone.0127266.

Genetic determinism in the acute coronary syndrome. Catalina Arsenescu Georgescu, Maria-Cristina Apavaloaie, Iris Bararu, Daniela Jitaru, Manuela Ciocoiu, Magda Badescu. Journal: Romanian Journal of Artistic Creativity Issue Year: 3/2015 Issue No: 3Page Range: 129-132 Page Count: 4

SPOR GENETİĞİ ve ACE GEN İLİŞKİSİ. Canan Sercan, B. Funda Eken, Didem Ülgüt, Şebnem Erel, Korkut Ulucan. İnönü Üniversitesi Beden Eğitimi ve Spor Bilimleri Dergisi. Cilt 3, Sayı 2 (2016).

Makale 3

Detection of mitochondrial DNA mutations in nonmuscle invasive bladder cancer.

Atıflar

Analysis to Estimate Genetic Variations in the Idarubicin-Resistant Derivative MOLT-3. Tomoyoshi Komiyama, Atsushi Ogura, Takatsugu Hirokawa, Miao Zhijing, Hiroshi Kamiguchi, Satomi Asai, Hayato Miyachi and Hiroyuki Kobayashi. Int. J. Mol. Sci. 2017, 18(1), 12; doi:10.3390/ijms18010012.

Oxidative Stress and Mitochondrial Dysfunction across Broad-Ranging Pathologies: Toward Mitochondria-Targeted Clinical Strategies. Giovanni Pagano, Annarita Aiello Talamanca,Giuseppe Castello, Mario D. Cordero, Marco d'Ischia, Maria Nicola Gadaleta, Federico V. Pallardó, Sandra Petrović, Luca Tiano, and Adriana Zatterale. Oxidative Medicine and Cellular Longevity Volume 2014 (2014), Article ID 541230, 27.

Tissue-specific mitochondrial heteroplasmy at position 16,093 within the same individual. Kaarel Krjutškov, Marina Koltšina,Kelli Grand, Urmo Võsa, Martin Sauk, Neeme Tõnisson, Andres Salumets. Current Genetics February 2014, Volume 60, Issue 1, pp 11–16.

Nucleic acid-based tissue biomarkers of urologic malignancies. Dimo Dietrich, Sebastian Meller, Barbara Uhl, Bernhard Ralla, Carsten, Stephan, Klaus Jung, Jörg Ellinger, Glen Kristiansen. Crit Rev Clin Lab Sci, 2014; 51(4): 173–199.

The mitochondrial ATPase6 gene is more susceptible to mutation than the ATPase8 gene in breast cancer patients. Massoud Ghaffarpour, Reza Mahdian, Forouzandeh Fereidooni, Behnam Kamalidehghan, Nasrin Moazami, Massoud Houshmand. Cancer Cell International 2014 DOI: 10.1186/1475-2867-14-21

N-acetyltransferase 1 polymorphism and bladder cancer susceptibility: a meta-analysis of epidemiological studies. Ke Wu, Xianding Wang, Zhiyuan Xie, Zhihong Liu, Zhihong Liu, Yiping Lu. Journal of International Medical Research 41(1) 31–37 2013. DOI: 10.1177/0300060513476988

Mitochondrial Markers for Cancer: Relevance to Diagnosis, Therapy, and Prognosis and General Understanding of Malignant Disease Mechanisms. B. Azadeh, T. Kovacs, P. J. Twomey, and T. Yazawa. International Scholarly Research Network ISRN Pathology Volume 2012, Article ID 217162, 15. doi:10.5402/2012/217162

Molecular markers in bladder cancer: Novel research frontiers. Francesca Sanguedolce, Antonella Cormio, Pantaleo Bufo, Giuseppe Carrieri, Luigi Cormio. Crit Rev Clin Lab Sci, 2015; 52(5): 242–255 DOI: 10.3109/10408363.2015.1033610

Role of mitochondrial DNA mutations in brain tumors: A mini-review. Abdul Aziz Mohamed Yusoff. J Can Res Ther 2015;11:535-44. DOI: 10.4103/0973-1482.161925.

Noninvasive approaches for detecting and monitoring bladder cancer. Siddik Sarkar, Anjan Pradhan, Swadesh K. Das, Luni Emdad, Devanand Sarkar, Maurizio Pellecchia, Paul B. Fisher. Journal Expert Review of Anticancer Therapy Volume 15, 2015 - Issue 3.

Mitochondrial DNA in Early Cancer Diagnosis and Screening. M Verma, N Agarwal. Cancer Biomarkers: Minimal and Noninvasive Early Diagnosis and Prognosis (Book).

Mitochondrial markers for cancer: relevance to diagnosis, therapy and prognosis, and general. B De Paepe - Journal of Physiology and Pharmacology, 2008.

Deciphering the spectrum of somatic mutations in the entire mitochondrial DNA genome. X.Z. Chen, Y. Fang, Y.H. Shi, J.H. Cui, L.Y. Li, Y.C. Xu, B. Ling. Genetics and Molecular Research 14 (2): 4331-4337 (2015).

Cardiac structural and functional changes in old elderly patients with obstructive sleep apnoea hypopnoea syndrome. Yi Sun, Hai Yuan, Miao-Qing Zhao,Yan Wang, Ming Xia, Yan-Zhong Li. Journal of International Medical Research 2014, Vol. 42(2) 395–404 DOI: 10.1177/0300060513502890

Investigation of the association between mitochondrial DNA and p53 gene mutations in transitional cell carcinoma of the bladder. Avcilar T., Kirac D., Ergec D., Koc G., Ulucan K, Kaya Z., Kaspar C., Turkeri L., Guney A.I: Oncology Letters 12: 2872-2879, 2016.

Oxidative stress and mitochondrial dysfunction across broad-ranging pathologies: Toward mitochondria-targeted clinical strategies. ASL Napoli.

Mitochondrial variants in MT-CO2 and D-loop instability are involved in MUTYH-associated polyposis. Edoardo ErrichielloAntonella BalsamoMarianna CerniTiziana Venesio. Journal of Molecular Medicine November 2015, Volume 93, Issue 11, pp 1271–128.

Effects of MRPS5 on proliferation ability and stemness of bladder cancer cells. Liu Qiliang, Liu Limei, Liu Chungang, Qian Cheng, Huang Qingyuan.

Makale 4

Detection of Y chromosome microdeletions and mitochondrial DNA mutations in male infertility patients

Atıflar

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Makale 5

Molecular and cytogenetic evaluation of Y chromosome in spontaneous abortion cases

Atıflar

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