CURRICULUM VITAE

1. Name/ Lastname **:** GÜLŞAH KOÇ

2. Date of Birth **:** 10.07.1981

3. Title **:** PhD

4. Education

Degree	Field	University	Year
BS	Molecular Bio. and Genetics	Halic University	2005
MS	Medical Bio. and Genetics	Marmara University	2009
PhD	Medical Bio. and Genetics	Marmara University	2013

5. Publications

5.1. Published Articles in International Journals (SCI & SSCI & Arts and Humanities)

5.1.1. 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).

5.1.2. 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.

5.1.3. 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.

5.1.4. 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.

5.2. Published Articles in Other International Journals

5.2.1. 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.

5.3. Presented Articles at International Conference (Proceedings)

5.3.1. 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.

5.3.2. 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.

5.3.3. 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.

5.3.4. 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

5.3.5. 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.

5.3.6. 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.

5.3.7. 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.

5.3.8. 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.

5.3.9. 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.

5.3.10. 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.

5.3.11. 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.

5.3.12. 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.

5.3.13. 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.

5.3.14. 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.

5.4. Published Articles in National Journals

5.4.1. 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

5.5. Presented Articles at Nationals Conferences

5.5.1. 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 **(Oral presentation).**

5.5.2. 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 **(Oral presentation).**

5.5.3. 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.

5.5.4. 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.

5.5.4. 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 **(Oral presentation).**

6. Projects

6.1. Spontan Düşük Vakalarında, Y Kromozomunun Moleküler ve Sitogenetik İncelemesi- Bilimsel Araştırma Projeleri Birimi (BAPKO) Marmara Üniversitesi (2007-2009) (MS Thesis) **(Researcher)**

6.2. Erkek İnfertilitesinde, Germ Aplazisi Vakalarında Otozomal Gen Kusurlarının Araştırılması- Bilimsel Araştırma Projeleri Birimi (BAPKO) Marmara Üniversitesi (2011-2013) (PhD Thesis) **(Researcher)**

6.3. Erkek İnfertilitesi Vakalarında Otozomal Gen Kusurlarının Araştırılması- Bilimsel Araştırma Projeleri Birimi (BAPKO) Marmara Üniversitesi (2012-2014) **(Researcher)**

7. Affiliation of Institutes

Tıbbi Genetik Derneği
Tıbbi Biyoloji ve Genetik Derneği
ESHG (European Society of Human Genetics)
Klinik Araştırmalar Derneği

8. List of Awards

8.1. European Society of Human Genetics Conference, fellowship award with "The elationship between Sperm mtDNA Mutations, Sperm Parameters and Genetic Testing Results in Male Infertility", Vienna, Austria, May 23-26, 2009.

8.2. European Society of Human Genetics Conference, fellowship award with "Infant C677T genotype of the MTHF gene as a risk factor non-syndromic cleft lip with/ without palate", Vienna, Austria, May 23-26, 2009.

8.3. European Society of Human Genetics Conference, fellowship award with ''Congenital Right Tibia Diaphysis Amputation and Bilateral Nephrolithiasis in a 6-Months-old child''. Nurnberg,Germany June 2012.

8.4. Endokrin Hastalıklar ve Genetik Sempozyumu, oral presentation award with "Whole CYP21A2 gene analysis of congenital adrenal hyperplasia patients due to 21-hydroxylase deficiency", Abant, Bolu, Türkiye, 8-10 Ekim, 2009.