

Assoc. Prof. MD. Gönül ÇATLI

Pediatric Endocrinology and Metabolic Diseases

Medical Interests

- Obesity
- Insulin resistance
- Diabetes
- Hypoglycemia (low sugar)
- Growth retardation and short stature
- Anorexia
- growth hormone deficiency
- Puberty problems (early puberty, delayed puberty, excessive hair growth, menstrual irregularity, polycystic ovary syndrome)
- Turner syndrome
- Thyroid diseases (Goiter, hypothyroidism, hyperthyroidism, Hashimoto's disease, thyroid nodule)
- Sexual development disorders (small penis, undescended testis, gender ambiguity, hypospadias)
- Adrenal gland diseases (Congenital adrenal hyperplasia, Addison's disease, Cushing's syndrome)
- Bone and calcium metabolism diseases (rickets, vitamin D deficiency, osteoporosis)

Education

- Bachelor's - Master's: Ankara University Faculty of Medicine (1998-2004)
- Ph.D. - Specialization in Medicine: Child Health and Diseases, Dr. Sami Ulus Gynecology and Childhood Health and Diseases Training and Research Hospital (2005-2010)
- Ph.D. - Minor specialization: Pediatric Endocrinology, Dokuz Eylul University Faculty of Medicine (2010-2013)

Experience

- Child Health and Diseases Specialist Diyarbakır Children's Hospital 2010
- Pediatric Endocrine Minor Assistant Dokuz Eylül University Medical Faculty Hospital 2010-2014
- Pediatric Endocrinology Specialist İzmir Tepecik Training and Research Hospital 2014-2015
- Assistant Professor İzmir Katip Celebi University Faculty of Medicine 2015-2016
- Associate Professor İzmir Katip Celebi University Faculty of Medicine 2016-2021
- Pediatric Endocrinology Associate Professor Ulus Liv Hospital 2021- Present
- Pediatric Endocrinology Associate Professor Vadistanbul Liv Hospital 2021- Present

Memberships

- Aegean Child Endocrine and Diabetes Association, Member, 2010
- Pediatric Endocrinology and Diabetes Association, Member, 2010
- Growing Child Association, Member, 2014
- European Society of Pediatric Endocrinology (ESPE), Member, 2016



Publications

International Publications

1. Karacan C, Erkek N, Senel S, Akin Gunduz S, Catli G, Tavit B. Evaluation of Urine Collection Methods for the Diagnosis of Urinary Tract Infection in Children. *Med Prince Pract.* 2010;19(3):188-191.
2. Catli G, Abacı A, Demir K, Ulusoy E, Altıncık S, Büyükgebiz A, Böber E. "Clinical Profile and Etiologies of Children with Central Diabetes Insipidus: A Single-Center Experience From Turkey", *J Pediatr Endocrinol Metab.* 2012;25(5-6):499-502.
3. Demir K, Abacı A, Küme T, Altıncık A, Catli G, Böber E. Evaluation of Neutrophil Gelatinase-Associated Lipocalin in Normoalbuminuric Normotensive Type 1 Diabetic Adolescents. *J Pediatr Endocrinol Metab.* 2012;25(5-6):517-523
4. Catli G, Abacı A, Neumann Hartmut HC, Altıncık A, Demir K, Böber E. Bilateral Pheochromocytoma as First Manifestation of Von Hippel-Lindau Disease: A Case Report. *Turk J Pediatr.* 2012;54(5):532-535.
5. Catli G, Abacı A, Altıncık A, Demir K, Can S, Buyukgebiz A, Bober E. Hyperprolactinemia in Children: Clinical Features and Long-Term Results. *J Pediatr Endocrinol Metab.* 2012;25(11-12):1123-1128.
6. Catli G, Abacı A, Flanagan SE, Anik A, Ellard S, Bober E." Permanent Neonatal Diabetes Caused By A Novel Mutation In The INS Gene. *Diabetes Res Clin Pract.* 2013;99(1):e5-8.
7. Abacı A, Catli G, Bayram E, Koroglu T, Olgun HN, Mutafoğlu K, Hiz AS, Cakmakci H, Bober. A Case of Rapid-Onset Obesity with Hypothalamic Dysfunction, Hypoventilation, Autonomic Dysregulation, and Neural Crest Tumor: ROHHADNET Syndrome. *Endocrin Pract.* 2013;19(1):e12-e16.
8. Abacı A, Catli G, Anik A, Bober E. Epidemiology, classification and management of undescended testis: does medication have value in its treatment? *J Clin Res Pediatr Endocrinol.* 2013;5(2):65-72.
9. Abacı A, Catli G, Anik A, Küme T, Bober E. The Relation of Serum Nesfatin-1 Level with Metabolic and Clinical Parameters in Obese and Healthy Children. *Pediatric Diabetes.* 2013;14(3):189-195
10. Catli G, Abacı A, Bober E, Buyukgebiz A. Clinical and Diagnostic Characteristics of Hyperprolactinemia in Childhood and Adolescence. *J Pediatr Endocrinol Metab.* 2013;26(1-2):1-11.[Epub ahead of print].
11. Anik A, Catli G, Abacı A, Dizdärer C, Böber E. Acute Vitamin D Intoxication Possibly Due To Faulty Production of A Multivitamin Preparation. *J Clin Res Pediatr Endocrinol.* 2013;5(2):136-139.
12. Anik A, Çatlı G, Abacı A, Böber E. 46,XX Male Disorder of Sexual Development: A Case Report. *J Clin Res Pediatr Endocrinol.* 2013;5(4):258-260
13. Catli G, Abacı A, Anik A, Böber E. Low Serum Nesfatin-1 Levels May Be A Contributing Factor For Monogenic Obesity Due To Prohormone Convertase 1 Deficiency. *Med Hypotheses.* 2013;81(2):172-174.
14. Catli G, Anik A, Abacı A, Kume T, Bober E. Low Omentin-1 Levels Are Related with Clinical and Metabolic Parameters in Obese Children. *Exp Clin Endocrinol Diabetes.* 2013;121(10):595-600
15. Catli G, Abacı A, Flanagan SE, De Franco E, Ellard S, Hattersley A, Guleryuz H, Bober E. A Novel GATA6 Mutation Leading To Congenital Heart Defects and Permanent Neonatal Diabetes: A Case Report. *Diabetes Metab.* 2013 ;39(4):370-374.
16. Anik A, Catli G, Makay B, Abacı A, Küme T, Unsal E, Böber E. Decreased Vitamin D Levels in Children with Familial Mediterranean Fever. *Int J Rheum Dis.* 2014;17(3):321-326.
17. Anik A, Catli G, Abacı A, Yiş U, Oren H, Güleriyüz H, Kızıldağ S, Böber E. A Novel Activating ABCC8 Mutation Underlying Neonatal Diabetes Mellitus in An Infant Presenting With Cerebral Sinovenous Thrombosis. *J Pediatr Endocrinol Metab.* 2014;27:533-537.
18. Gür G, Abacı A, Köksoy AY, Anik A, Çatlı G, Kışlal FM, Akin KO, Andiran N. Incidence of Maternal Vitamin D Deficiency In a Region of Ankara/Turkey: A Preliminary Study. *Turkish Journal of Medical Sciences.* 2014;44:616-623
19. Catli G, Anik A, Tuhan HU, Kume T, Bober E, Abacı A. The Relation of Leptin and Soluble Leptin Receptor Levels with Metabolic and Clinical Parameters in Obese and Healthy Children. *peptides* 2014;56:72-76.
20. Anik A, Catli G, Abacı A, Böber E. Effect Of Gonadotropin-Releasing Hormone Agonist Therapy On Body Mass Index and Growth in Girls with Idiopathic Central Precocious Puberty. *Indian J Endocr Metab* 2015;19: 267-271
21. Anik A, Catli G, Abacı A, Cluster T, Bober E. Fasting and Postprandial Levels of a Novel Anorexigenic Peptide Nesfatin in Childhood Obesity. *J Pediatr Endocrinol Metab.* 2014 ;27(7-8):623-628.
22. Çatlı G, Altıncık A, Anik A, Demir K, Güleriyüz H, Abacı A, Bober E. Acceleration of Puberty During Growth Hormone Therapy in a Child with Septo-Optic Dysplasia. *J Clin Res Pediatr Endocrinol.* 2014;6(2):116-118.

23. Catli G, Abaci A, Anik A, Güleriyüz H, Özer E, Öcal İ, Yüceer N, Mutafoğlu K. A Case of Central Precocious Puberty Due to Concomitant Hypothalamic Hamartoma and Juvenile Pilocytic Astrocytoma. *J Clin Res Pediatr Endocrinol*. 2014;6(3):183-186.
24. Unuvar T, Anik A, Catli G, Esen I, Abaci A, Büyükgebiz A, Böber E. Isolated Hyperthyrotropinemia in Childhood Obesity and Its Relation with Metabolic Parameters. *J Endocrinol Invest*. 2014;37(9):799-804
25. Catli G, Abaci A, Büyükgebiz A, Bober E. Subclinical Hypothyroidism in Childhood and Adolescence. *J Pediatr Endocrinol Metab*. 2014;27(11-12):1049-1057.
26. Anik A, Kersseboom S, Çatlı G, Abacı A, Yiş U, Böber E, Mullem AV, van Herebeek REA2, Demir K, Visser TJ. Psychomotor Retardation Caused By A Defective Thyroid Hormone Transporter; Report of Two Families With Different MCT8 Mutations. *Horm Res Paediatr*. 2014;82(4):261-271.
27. Catli G, Kir M, Anik A, Yılmaz N, Böber E. The Effect of L-thyroxine Treatment on Left Ventricular Functions in Children with Subclinical Hypothyroidism. *ArchDisChild*. 2015;100(2):130-137.
28. Anik A, Catli G, Abaci A, Güleriyüz H, Güdücü Ç, Öniz A, Can Ş, Dünder B, Böber E. Olfactory Dysfunction in Children With Kallmann Syndrome: Relation of Smell Tests with Brain Magnetic Resonance Imaging. *Hormones* 2014,xxx doi: 10.14310/horm.2002.1562
29. Çatlı G, Anik A, Tühan HU, Böber E, Abacı A. The Effect of L-Thyroxine Treatment on Hypothyroid Symptom Scores and Lipid Profile in Children with Subclinical Hypothyroidism. *J Clin Res Pediatr Endocrinol* 2014; 6: 238-244
30. Çatlı G, Dünder NO, Dünder BN. Adipokines in Breast Milk: An Update. *J Clin Res Pediatr Endocrinol* 2014; 6: 192-201.
31. Anik A, Çatlı G, Abaci A, Bober E. Maturity-Onset Diabetes of The Young (MODY): An Update. *J Pediatr Endocrinol Metab*. 2015;28(3-4):251-263.
32. Tühan HU, Anik A, Catli G, Abaci A, Öztürk T, Güleriyüz H, Bober E. Recovery of Central Fever After GH Therapy in a Patient with GH Deficiency Secondary to Posttraumatic Brain Injury. *J Clin Res Pediatr Endocrinol* 2014; 5;7(1):77-79.
33. Tühan HU, Catli G, Anik A, Onay H, Dunder B, Bober E, Abaci A. Cross-Reactivity of Adrenal Steroids With Aldosterone May Prevent The Accurate Diagnosis of Congenital Adrenal Hyperplasia. *J Pediatr Endocr Met* 2015; 28: 701-704
34. Tühan HU, Anik A, Catli G, Ceylaner S, Dunder B, Bober E, Abaci A. A Novel Missense Mutation in HSD17B3 Gene in a 46, XY Adolescent Presenting with Primary Amenorrhea and Virilization at Puberty . *Clin Chim Acta*. 2015;438:154-156
35. Abaci A, Çatlı G, Anik A, Cluster T, Ozlem, Bober E, Dunder BN. Significance of Serum Neurokinin B and Kisspeptin Levels in the Differential Diagnosis of Premature Thelarche and Central Precocious Puberty. *Peptides*, 2015;64:29-33.
36. Tühan HU, Catli G, Anik A, Özmen D, Türkmen MA, Bober E, Abaci A. Neonatal Diabetes Mellitus Due To A Novel Mutation in the GATA6 Gene Accompanying Renal Dysfunction: A Case Report. *Brief Report. American Journal of Medical Genetics*. 2015;167(4):925-927.
37. Catli G, Abaci A, Tanrıseven O, Koçyiğit C, Can CP, Dunder BN. An Unusual Presentation of Pediatric Cushing Disease: Diabetic Ketoacidosis. *AACE Clinical Case Reports*. 2015;1:e1-e6.
38. Catli G, Bostancı I, Ozmen S, Dibek Misirlioglu E, Duman H, Ertan U. Is Patch Testing with Food Additives Useful in Children with Atopic Eczema? *Pediatric Dermatol*. 2015.xxx Apr 15. doi: 10.1111/pde.12588
39. Abacı A, Catli G, Berberoğlu M. Gonadal Malignancy Risk and Prophylactic Gonadectomy in Disorders of Sexual Development. *J Pediatr Endocrinol Metab*. 2015.xxx Apr 16. doi: 10.1515/jpem-2014-0522.
40. Catli G, Anik A, Küme T, Çalan ÖG, Dünder BN, Böber E, Abacı A. Serum Nesfatin-1 and Leptin Levels in Non-Obese Girls With Premature Thelarche . *J Endocrinol Invest*. 2015.xx Apr 2. doi: 10.1007/s40618-015-0277-8
41. Yeşilkaya E, Bereket A, Darendeliler F, Baş F, Poyrazoğlu S, Küçükemre Aydın B, Darcan S, Dünder B, Büyükinan M, Kara C, Sarı E, Adal E, Akıncı A, Atabek ME, Demirel F, Çelik N , Özkan B, Özhan B, Orbak Z, Ersoy B, Doğan M, Ataş A, Turan S, Gökşen D, Tarım Ö, Yüksel B, Ercan O, Hatun S, Şimşek E, Ökten A, Abacı A, Döneray H, Özbek MN, Keskin M, Önal H, Akyürek N, Bulan K, Tepe D, Emeksiz HC, Demir K, Kızılay D, Topaloğlu AK, Eren E, Özen S, Abalı S, Akın L, Selver Eklioğlu B, Kaba S, Anik A , Baş S, Ünüvar T, Sağlam H, Bolu S, Özgen T, Doğan D, Deniz Çakır E, Şen Y, Andıranlı N, Çizmecioğlu F, Evliyaoğlu O, Karagüzel G, Pirgon Ö, Çatlı G, Can HD, Gürbüz F, Binay Ç, Baş VN, Fidancı K, Polat A, Gül D, Açikel C, Demirbilek H, Cinaz P, Bondy C. Turner Syndrome and Associated Problems in Turkish Children: A Multicenter Study. *J Clin Res Pediatr Endocrinol*. 2015;7(1):27-36.
42. Anik A, Çatlı G, Abacı A, Sarı E, Yeşilkaya E, Korkmaz HA, Demir K, Altıncık A, Tühan HU, Kızıldağ S, Özkan B, Ceylaner S, Böber E. Molecular diagnosis of maturity-onset diabetes of the young (MODY) in Turkish children by using targeted next-generation sequencing. *J Pediatr Endocrinol Metab*. 2015 Nov 1;28(11-12): 1265-71. doi: 10.1515/jpem- 2014-0430.

43. Çatlı G, Alparslan C, Can PŞ, Akbay S, Kelekçi S, Atik T, Özyılmaz B, Dündar BN. An Unusual Presentation of 46,XY Pure Gonadal Dysgenesis: Spontaneous Breast Development and Menstruation. *J Clin Res Pediatr Endocrinol*. 2015 Jun;7(2):159-62. doi: 10.4274/jcrpe.1919.
44. Darendeliler F, Yeşilkaya E, Bereket A, Baş F, Bundak R, Yellow E, Küçükkemre Aydın B, Darcan S, Dündar B, Büyükinan M, Kara C, Mazıcıoğlu MM, Adal E, Akıncı A, Atabek ME, Demirel F, Çelik N, Özkan B, Özhan B, Orbak Z, Ersoy B, Doğan M, Ataş A, Turan S, Gökşen D, Tarım Ö, Yüksel B, Ercan O, Hatun Ş, Şimşek E, Ökten A, Abacı A, Döneray H, Özbek MN, Keskin M, Önal H, Akyürek N, Bulan K, Tepe D, Emeksiz HC, Demir K, Kızılay D, Topaloğlu AK, Eren E, Özen S, Demirbilek H, Abalı S, Akın L, Eklioğlu BS, Kaba S, Anık A, Baş S, Ünüvar T, Sağlam H, Bolu S, Özgen T, Doğan D, Çakır ED, Şen Y, Andıran N, Çizmecioğlu F, Evliyaoğlu O, Karagüzel G, Pirgon Ö, Çatlı G, Can HD, Gürbüz F, Binay Ç, Baş VN, Polat A, Açikel C, Cinaz P. Growth curves for Turkish Girls with Turner Syndrome: Results of the Turkish Turner Syndrome Study Group. *J Clin Res Pediatr Endocrinol*. 2015 Sep 5;7(3): 183-91. doi: 10.4274/jcrpe.2023.
45. Altıncık A, Demir K, Çatlı G, Abacı A, Böber E. The Role of Thyrotropin-Releasing Hormone Stimulation Test in Management of Hyperthyrotropinemia in Infants. *J Clin Res Pediatr Endocrinol*. 2015 Sep 5;7(3):211-6. doi: 10.4274/jcrpe.1985
46. Guran T, Buonocore F, Saka N, Ozbek MN, Aycan Z, Bereket A, Bas F, Darcan S, Bideci A, Guven A, Demir K, Akinci A, Buyukinan M, Aydın BK, Turan S, Agladioglu SY, Atay Z, Abali ZY, Tarim O, Catli G, Yuksel B, Akcay T, Yildiz M, Ozen S, Doger E, Demirbilek H, Ucar A, Isik E, Ozhan B, Bolu S, Ozgen IT, Suntharalingham JP, Achermann JC. Rare Causes of Primary Adrenal Insufficiency: Genetic and Clinical Characterization of a Large Nationwide Cohort. *J Clin Endocrinol Metab*. 2016 Jan;101(1):284-92. doi: 10.1210/jc.2015-3250. Epub 2015 Nov 2.
47. Tühan H, Abacı A, Cicek G, Anık A, Catli G, Demir K, Bober E. Levothyroxine replacement in primary congenital hypothyroidism: the higher the initial dose the higher the rate of overtreatment. *J Pediatr Endocrinol Metab*. 2016 Feb 1;29(2): 133-8. doi: 10.1515/jpem-2015- 0047.
48. Tühan H, Abacı A, Anık A, Çatlı G, Küme T, Çalan ÖG, Acar S, Böber E. Circulating betatrophin concentration is negatively correlated with insulin resistance in obese children and adolescents. *Diabetes Res Clin Pract*. 2016 Apr;114:37-42. doi: 10.1016/j.diabres.2016.02.008. Epub 2016 Feb 23.
49. Altıncık A, Tuğlu B, Demir K, Çatlı G, Abacı A, Böber E. Relationship between oxidative stress and blood glucose fluctuations evaluated with daily glucose monitoring in children with type 1 diabetes mellitus. *J Pediatr Endocrinol Metab*. 2016 Apr 1;29(4):435-9. doi: 10.1515/jpem-2015-0212.
50. Sari E, Bereket A, Yeşilkaya E, Baş F, Bundak R, Aydın BK, Darcan S, Dündar B, Büyükinan M, Kara C, Adal E, Akıncı A, Atabek ME, Demirel F, Çelik N, Özkan B, Özhan B, Orbak Z, Ersoy B, Doğan M, Ataş A, Turan S, Gökşen D, Tarım Ö, Yüksel B, Ercan O, Hatun S, Şimşek E, Ökten A, Abacı A, Döneray H, Özbek MN, Keskin M, Önal H, Akyürek N, Bulan K, Tepe D, Emeksiz HC, Demir K, Kızılay D, Topaloğlu AK, Eren E, Özen S, Demirbilek H, Abalı S, Akın L, Eklioğlu BS, Kaba S, Anık A, Baş S, Unuvar T, Sağlam H, Bolu S, Özgen T, Doğan D, Çakır ED, Şen Y, Andıran N, Çizmecioğlu F, Evliyaoğlu O, Karagüzel G, Pirgon Ö, Çatlı G, Can HD, Gürbüz F, Binay Ç, Baş VN, Fidancı K, Gül D, Polat A, Acikel C, Cinaz P, Darendeliler F. Anthropometric findings from birth to adulthood and their relation with karyotype distribution in Turkish girls with Turner syndrome. *Am J Med Genet A*. 2016 Apr;170(4):942-8. doi: 10.1002/ajmg.a.37498. Epub 2016 Jan 20.
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52. Demir K, van Gucht AL, Büyükinan M, Çatlı G, Ayhan Y, Nijat Bas V, Dündar B, Özkan B, Meima ME, Edward Visser W, Peeters RP, Visser TJ. Diverse Genotypes and Phenotypes of Three Novel Thyroid Hormone Receptor Alpha Mutations. *J Clin Endocrinol Metab*. 2016 May 4;jc20161404
53. Tühan H, Anık A, Catli G, Onay H, Aykut A, Abacı A, Bober E. A novel mutation in steroidogenic factor (SF1/NR5A1) gene in a patient with 46 XY DSD without adrenal insufficiency. *andrologia* 2017 Feb;49(1). doi: 10.1111/and.12589
54. Koçyiğit C, Sarıtaş S, Çatlı G, Onay H, Dündar BN. A Novel Mutation in Human Androgen Receptor Gene Causing Partial Androgen Insensitivity Syndrome in a Patient Presenting with Gynecomastia at Puberty. *J Clin Res Pediatr Endocrinol*. 2016 Jun 5;8(2):232-5. doi: 10.4274/jcrpe.2637
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56. Tuhan H, Abacı A, Sarsik B, Öztürk T, Olguner M, Catli G, Anik A, Olgun N, Bober E. Intratubular large cell hyalinizing Sertoli cell tumor of the testis presenting with prepubertal gynecomastia: a case report. *Acta Clin Document*. 2017;72(4):254-258.
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62. Özen B, Öztürk H, Çatlı G, Dündar B. An Assessment of Retinal Nerve Fiber Layer Thickness in Non-Diabetic Obese Children and Adolescents. *J Clin Res Pediatr Endocrinol*. 2017 Jul 24.
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