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Education Information

Expertise In Medicine, Ankara University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, Turkey 1986 - 1990

Undergraduate, Ankara University, Ankara Tıp Fakültesi, Turkey 1978 - 1984

Biography

1984 yılında Ankara Üniversitesi Tıp Fakültesinden mezun oldu. 1986 yılında aynı üniversitede Üroloji Anabilim Dalına araştırma görevlisi olarak girdi. Üroloji uzmanı olarak görevine devam eden Dr. Aydos, 1997 yılında Üroloji Doçenti, 2003 yılında da Üroloji Profesörü ünvanını edindi. Ankara Üniversitesi Tıp Fakültesinde, Infertilite Araştırma ve Uygulama Merkezi'nin kurulmasına aktif olarak katılmıştır. Halen, Ankara Üniversitesi Tıp Fakültesi Üroloji Anabilim Dalı'nda öğretim görevlisi ve Üreme Sağlığı Merkezi Müdür Yardımcısı olarak aktif çalışmasına devam etmektedir.

Dr. Aydos, akademik hayatında 1 yıl süreyle İtalyan Hükümeti Bursundan yararlanarak İtalya Valduce Hastanesi Androloji Departmanında infertilite ve erektil disfonksiyon konularında bilgi ve tecrübesini artırmıştır. Bu yıllarda, dünyada ilk defa başlanılan sperm mikroenjeksiyonu uygulamalarını yakından takip etme olanağı bulmuştur.

Ayrıca, Belçika'da Tüp bebek ICSI üzerine SIMAF Schoysman Infertility Management Foundation'da uygulamalı kurs almıştır. 1999-2000 yıllarında, GATA ÜYT Merkezinde 6 ay IVF ve 2 ay da uygulamalı mikroenjeksiyon eğitimi görmüştür.

Dr. Aydos'un 100'e yakın bilimsel dergide makalesi yayınlanmış olup, çok sayıda kitap bölümü yazarlığı ve editörlüğü yapmıştır.

Foreign Languages

English, C1 Advanced

Research Areas

Urology, Health Sciences

Academic Titles / Tasks

Professor, Ankara University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 2012 - Continues

Academic and Administrative Experience

Ankara University, 2020 - Continues

Courses

Genital system examination in male, Diagnostic methods in male genital system diseases, Male infertility, Erectile dysfunction, Undergraduate, 2022 - 2023

Practice and Bedside training, Undergraduate, 2022 - 2023

Erkek İnfertilitesi, Undergraduate, 2021 - 2022, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Practice and Bedside training, Undergraduate, 2021 - 2022

Advising Theses

AYDOS K., Non-obstruktif azospermili hastalarda ejakülatta ve TESE materyalinde bakılan PCNA ve LİM-15 gen ekspresyon düzeylerinin tесе'de sperm bulma konusunda prediktif değeri, Expertise In Medicine, M.ARİF(Student), 2020
AYDOS K., Varikosele bađlı seminal oksidatif stresin giderilmesinde varikoselektomi ile varikoselektomi + antioksidan gıda takviyesinin karşılaştırılması, Expertise In Medicine, U.BAĐCI(Student), 2017
AYDOS K., Seminal moleküler belirteçlerle non-invaziv olarak spermatogenezi saptamak mümkün mü?, Expertise In Medicine, M.MERMERKAYA(Student), 2014
AYDOS K., Testis torsiyonu ayırıcı tanısında near infrared spectrophotometry (NIRS) kullanımı ve doppler ultrasonografi ile karşılaştırılması, Expertise In Medicine, Ö.AYDOĐDU(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Global Practice Patterns and Variations in the Medical and Surgical Management of Non-Obstructive Azoospermia: Results of a World-Wide Survey, Guidelines and Expert Recommendations.**
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- II. **Global Practice Patterns in the Evaluation of Non-Obstructive Azoospermia: Results of a World-Wide Survey and Expert Recommendations.**
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- III. **Testicular sperm retrieval for intracytoplasmic sperm injection: when to consider it after unsuccessful intracytoplasmic sperm injection with ejaculated sperm?**
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- IV. **Does Varicocele Repair Improve Conventional Semen Parameters? A Meta-Analytic Study of Before-After Data**
Cannarella R., Shah R., Hamoda T. A. A., Boitrelle F., Saleh R., Gul M., Rambhatla A., Kavoussi P., Toprak T., Harnaz A. M., et al.
WORLD JOURNAL OF MENS HEALTH, no.1, pp.92-132, 2024 (SCI-Expanded)
- V. **Technical Aspects and Clinical Limitations of Sperm DNA Fragmentation Testing in Male Infertility: A Global Survey, Current Guidelines, and Expert Recommendations.**
Agarwal A., Farkouh A., Saleh R., Hamoda T. A. A., Salvio G., Boitrelle F., Harraz A. M., Ghayda R. A., Kavoussi P., Gül M., et al.
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- VI. **Controversy and Consensus on the Management of Elevated Sperm DNA Fragmentation in Male Infertility: A Global Survey, Current Guidelines, and Expert Recommendations.**
Farkouh A., Agarwal A., Hamoda T. A. A., Kavoussi P., Saleh R., Zini A., Arafa M., Harraz A. M., Gul M., Karthikeyan V. S., et al.
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- VII. **Co-Culture of Cryopreserved Healthy Sertoli Cells with Testicular Tissue of Non-Obstructive Azoospermia (NOA) Patients in Culture Media Containing Follicle-Stimulating Hormone (FSH)/Testosterone Has No Advantage in Germ Cell Maturation**
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- VIII. **Controversy and Consensus on Indications for Sperm DNA Fragmentation Testing in Male Infertility: A Global Survey, Current Guidelines, and Expert Recommendations**
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- IX. **Can PCNA and LIM15 gene expression levels predict sperm retrieval success in men with non-obstructive azoospermia?**
Ibis M. A., AYDOS K., Baltacı V., Aktuna S., YAMAN M. Ö.
REVISTA INTERNACIONAL DE ANDROLOGIA, vol.20, 2022 (SCI-Expanded)
- X. **Analyzing the effects of ETV5 and CXCL12 genes in patients with Sertoli cell-only syndrome**
AYDOS O. S., Aydos D., Yukselten Y., SUNGURÖĐLU A., AYDOS K.
EUROPEAN JOURNAL OF HUMAN GENETICS, vol.30, no.SUPPL 1, pp.96, 2022 (SCI-Expanded)
- XI. **Impaired WNT/beta-catenin signaling pathway in the etiology of azoospermia**
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EUROPEAN JOURNAL OF HUMAN GENETICS, vol.30, no.SUPPL 1, pp.116, 2022 (SCI-Expanded)
- XII. **A Global Survey of Reproductive Specialists to Determine the Clinical Utility of Oxidative Stress Testing and Antioxidant Use in Male Infertility**
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- XIII. **Sperm Selection Procedures for Optimizing the Outcome of ICSI in Patients with NOA**

- AYDOS K., AYDOS O. S.
JOURNAL OF CLINICAL MEDICINE, vol.10, no.12, 2021 (SCI-Expanded)
- XIV. **Relationship between functional Nrf2 gene promoter polymorphism and sperm DNA damage in male infertility**
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SYSTEMS BIOLOGY IN REPRODUCTIVE MEDICINE, vol.67, pp.399-412, 2021 (SCI-Expanded)
- XV. **Evaluation of blood-testis barrier integrity in terms of adhesion molecules in nonobstructive azoospermia**
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- XVI. **Investigation of CD133 and CD24 as candidate azoospermia markers and their relationship with spermatogenesis defects**
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- XVII. **Evaluation of the DNA damage in lymphocytes, sperm and buccal cells of workers under environmental and occupational boron exposure conditions**
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- XVIII. **Investigation of sperm DNA damage and semen oxidative stress status in IVF failure and recurrent unexplained miscarriage**
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- XIX. **Boron-exposed male workers in Turkey: no change in sperm Y:X chromosome ratio and in offspring's sex ratio**
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- XX. **ADAMTS1 and ADAMTS5 metalloproteases produced by Sertoli cells: a potential diagnostic marker in azoospermia**
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- XXI. **Evaluation of FSH, LH, testosterone levels and semen parameters in male boron workers under extreme exposure conditions**
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- XXIII. **INVESTIGATION OF THE EFFECTS OF LIN28A AND ID1 GENE EXPRESSIONS ON GERM CELL LOSSES IN THE SPERMATOGENESIS PROCESS**
Yukselten Y., Aydos S., SUNGURUOĞLU A., AYDOS K.
CYTOTHERAPY, vol.20, no.5, 2018 (SCI-Expanded)
- XXIV. **Genetic Polymorphisms in PRM1, PRM2, and YBX2 Genes are Associated with Male Factor Infertility**
AYDOS O. S., Hekmatshoar Y., ALTINOK GÜNEŞ B., ÖZKAN T., Sakiragaoglu O., Karadag A., Kaplan F., ILGAZ N. S., Taspinar M., Yukselen I., et al.
GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.22, no.1, pp.55-61, 2018 (SCI-Expanded)
- XXV. **A differential cytokine expression profile before and after rFSH treatment in Sertoli cell cultures of men with nonobstructive azoospermia**
Heidargholizadeh S., Aydos S. E., Yukselten Y., ÖZKAVUKCU İ. S., SUNGURUOĞLU A., AYDOS K.
Andrologia, vol.49, no.4, 2017 (SCI-Expanded)
- XXVI. **Role of ADAMTS1 and ADAMTS5 in male infertility**
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- XXVII. **Is Boric Acid Toxic to Reproduction in Humans? Assessment of the Animal Reproductive Toxicity Data and Epidemiological Study Results**
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- XXVIII. **Association of MDR1 C3435T and C1236T single nucleotide polymorphisms with male factor infertility**
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- XXIX. **A laboratory modification to testicular sperm preparation technique improves spermatogenic cell yield**
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- XXX. **Effect of performing varicocelectomy before intracytoplasmic sperm injection on clinical outcomes in non-azoospermic males**
GÖKCE M. İ., GÜLPINAR Ö., SÜER E., Mermerkaya M., AYDOS K., YAMAN M. Ö.
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- XXXI. **Near Infrared Spectroscopy to Diagnose Experimental Testicular Torsion: Comparison With Doppler Ultrasound and Immunohistochemical Correlation of Tissue Oxygenation and Viability**
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- XXXII. **Assessment of DNA integrity (COMET assay) in sperm cells of boron-exposed workers**
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- XXXIII. **Reproductive toxicity parameters and biological monitoring in occupationally and environmentally boron-exposed persons in BandA +/- rma, Turkey**
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ARCHIVES OF TOXICOLOGY, vol.85, no.6, pp.589-600, 2011 (SCI-Expanded)
- XXXIV. **Use of 'Near Infrared Spectrophotometry' in the differential diagnosis of testicular torsion in comparison with doppler ultrasound scan in animal model**
Aydogdu O., Burgu B., UYAR GÖÇÜN F. P., Ozden E., Yaman O., SOYGÜR Y. T., Dursun A., AYDOS K.
JOURNAL OF SEXUAL MEDICINE, vol.7, pp.403, 2010 (SCI-Expanded)
- XXXV. **Association of CYP1A1 and glutathione S-transferase polymorphisms with male factor infertility**
Aydos S. E., Taspınar M., SUNGUROĞLU A., AYDOS K.
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- XXXVI. **Comparison of semen parameters between pregnant and nonpregnant couples with male factor infertility during intrauterine insemination**
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- XXXVII. **Is intracytoplasmic sperm injection essential for the treatment of hypogonadotrophic hypogonadism? A comparison between idiopathic and secondary hypogonadotrophic hypogonadism**
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- XXXVIII. **New Research Area in Andrology: Spermatogonial Stem Cell Transplantation**
AYDOS K.
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- XXXIX. **Outcome of penile prosthesis implantation for treating erectile dysfunction: Experience with 335 cases Erektıl disfonksiyon tedavisinde penil protez yerleştirilme sonuçları: 335 Olguluk deneyim**
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Turk Uroloji Dergisi, vol.34, no.2, pp.177-179, 2008 (SCI-Expanded)
- XL. **Is follicular aspiration preventive for severe ovarian hyperstimulation syndrome?**
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- XLI. **Outcome of repeated micro-surgical testicular sperm extraction in patients with non-obstructive azoospermia**
Talas H., YAMAN M. Ö., AYDOS K.
ASIAN JOURNAL OF ANDROLOGY, vol.9, no.5, pp.668-673, 2007 (SCI-Expanded)
- XLII. **Correlation of seminal parameters with serum lipid profile and sex hormones**
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- XLIII. **Effect of sperm chromatin damage on fertilization ratio and embryo quality post-ICSI**
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- XLIV. **The relationship between sperm morphology-acridine orange staining and fertilization rate-embryo quality in ICSI Sperm morfolojisi ve acridine orange boyamanın ICSI'deki fertilizasyon oranları ve embriyo kalitesi ile ilişkisi**
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- XLV. **Different point of view on spermatozoa metabolism: Compartmentalization Spermatozoa metabolizmasına değişik bir bakış: Kompartmantalizasyon**
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Journal of the Turkish German Gynecology Association, vol.6, no.3, pp.204-209, 2005 (SCI-Expanded)
- XLVI. **No association of the CAG repeat length in exon 1 of the androgen receptor gene with idiopathic infertility in Turkish men: Implications and literature review**
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- XLVII. **Enzymatic digestion plus mechanical searching improves testicular sperm retrieval in non-obstructive azoospermia cases**
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- XLVIII. **A randomized comparison of the timing for initiation of luteal phase support**
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- XLIX. **The effect of pure FSH administration in non-obstructive azoospermic men on testicular sperm retrieval**
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- LI. **Effects of aromatase inhibition on spermatozoa maturation in cases with teratozoospermia**
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- LII. **The impact of the source of spermatozoa used for ICSI on pronuclear morphology**
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- LIII. **An alternative protocol in rFSH application: with regard to histological evaluation of seminiferous epithelium in male rats.**
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- LIV. **Ultrastructural effects of cigarette smoke on rat testis**
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- LV. **Penile implants in erectile impotence - The importance of clinical experience on outcome**
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- LVI. **Comparative study of long-term stone recurrence after extracorporeal shock wave lithotripsy and open stone surgery for kidney stones**
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- LVII. **Clinical experience with dynaflex penile prostheses in 120 patients**
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- LVIII. **Testicular effects of vasectomy in rats: An ultrastructural and immunohistochemical study**
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- LIX. **Analysis of the relationship between histologic alterations and the generation of reactive oxygen species in vasectomized rat testes**
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- LX. **Calyceal stones: Fate of shock wave therapy with respect to stone localization**
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- LXI. **The role of cigarette smoking in prostatic enlargement**
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- LXIII. **Testicular microlithiasis associated with seminoma: Gray-scale and color Doppler ultrasound findings**
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- LXV. **Effect of obesity on prostatic hyperplasia: Its relation to sex steroid levels**
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- LXVI. **Ultrastructural changes of corpora cavernosa in vascular erectile dysfunction**
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