

## Prof. BİRCAN SÖNMEZ

### Personal Information

Office Phone: [+90 462 377 5848](tel:+904623775848)

Office Phone: [+90 462 377 5742](tel:+904623775742)

Fax Phone: [+90 462 377 5742](tel:+904623775742)

Email: [sonmezbircan@ktu.edu.tr](mailto:sonmezbircan@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr//sonmezbircan>

### International Researcher IDs

ScholarID: ICtARvgAAAAJ

ORCID: 0000-0001-5948-7923

Publons / Web Of Science ResearcherID: AAS-2900-2020

ScopusID: 18038917400

Yoksis Researcher ID: 186288

### Education Information

Expertise In Medicine, Karadeniz Technical University, Dahili Tıp, Nükleer Tıp, Turkey 1993 - 1997

Postgraduate, Karadeniz Technical University, Tıp Fakültesi, Turkey 1987 - 1993

### Dissertations

Expertise In Medicine, TEDAVİ ALTINDAKİ MEME KANSERLİ HASTALARDA TÜRÖR MARKIRLARI ve KEMİK SİNTİGRAFİSİNİN YERİ, Karadeniz Technical University, Dahili Tıp, Nükleer Tıp, 1997

### Research Areas

Medicine, Internal Medicine Sciences, Nuclear medicine, Health Sciences

### Academic Titles / Tasks

Professor, Karadeniz Technical University, Tıp Fakültesi, Dahili Tıp, 2021 - Continues

Associate Professor, Karadeniz Technical University, Tıp Fakültesi, Dahili Tıp, 2012 - 2021

Assistant Professor, Karadeniz Technical University, Tıp Fakültesi, Dahili Tıp, 2004 - 2012

### Advising Theses

SÖNMEZ B., İdrar Yolu Enfeksiyonu Geçiren Çocuklarda Tc99m DMSA Sintigrafisi ile Saptanan Böbrek Skarı ile Primer Vezikoureteral Reflü Arasındaki İlişki, Expertise In Medicine, B.YAGCI(Student), 2011

SÖNMEZ B., Diferansiye Tiroid Kanserli Hastalarda Bakiye Tiroid Doku Miktarı Tespitini ve Radyoaktif İyot Ablasyon Tedavi Başarısını Etkileyen Faktörler”, Expertise In Medicine, Z.ALGAN(Student), 2011

- I. **Assessment of Long-Term Hematologic Effects in Differentiated Thyroid Cancer Patients Treated with Radioactive Iodine.**  
Sönmez B., Bektaş Ö., Erkut N., Sönmez M.  
Turkish journal of haematology : official journal of Turkish Society of Haematology, vol.38, no.4, pp.306-313, 2021 (SCI-Expanded)
- II. **Clinical, sonographical, and pathological findings of pediatric thyroid nodules**  
Cimbek E. A., Polat R., Sönmez B., Beyhun N. E., Dinç H., Saruhan H., Karagüzel G.  
EUROPEAN JOURNAL OF PEDIATRICS, vol.180, no.9, pp.2823-2829, 2021 (SCI-Expanded)
- III. **Could Pyelonephritic Scarring Be Prevented by Anti-Inflammatory Treatment? An Experimental Model of Acute Pyelonephritis**  
OZDOĞAN E. B., OZDEMİR T., CAMLAR S. A., İMAMOĞLU M., ÇOBANOĞLU Ü., SÖNMEZ B., TOSUN İ., Dogan I.  
BIOMED RESEARCH INTERNATIONAL, 2014 (SCI-Expanded)
- IV. **A Case of Recurrent Episodes of Acute Renal Allograft Failure Caused by Renal Pedicle Tortion”**  
KAYNAR R. K., SÖNMEZ B., KUTLU Ö., ULUSOY Ş., Cansız M., TÜRKYILMAZ S., CANSU A., MUNĞAN S.  
Ren Fail, vol.35, pp.556-559, 2013 (SCI-Expanded)
- V. **A Case of Recurrent Episodes of Acute Renal Allograft Failure Caused by Renal Pedicle Tortion**  
Kaynar K., SÖNMEZ B., Kutlu O., ULUSOY Ş., Cansız M., TÜRKYILMAZ S., CANSU A., Mungan S.  
RENAL FAILURE, vol.35, no.4, pp.556-559, 2013 (SCI-Expanded)
- VI. **A computer program for calculation of approximate embryo/fetus radiation dose in nuclear medicine applications.**  
Bayram T., SÖNMEZ B.  
Molecular imaging and radionuclide therapy, vol.21, pp.19-22, 2012 (SCI-Expanded)
- VII. **Efficacy of low and high dose radioactive iodine therapy in patients with toxic nodular goiter**  
SÖNMEZ B., EREM C., DOĞAN İ., ERSÖZ H. Ö., SÖNMEZ M.  
MINERVA ENDOCRINOLOGICA, no.36, pp.117-121, 2011 (SCI-Expanded)
- VIII. **Efficacy of low and high fixed dose radioactive iodine therapy in patients with toxic nodular goiter**  
SÖNMEZ B., EREM C., DOĞAN İ. S., ERSOZ H. O., SÖNMEZ M.  
MINERVA ENDOCRINOLOGICA, vol.36, no.2, pp.117-121, 2011 (SCI-Expanded)
- IX. **Radiation dose to technologists per nuclear medicine examination and estimation of annual dose.**  
Bayram T., YILMAZ A. H., DEMİR M., SÖNMEZ B.  
Journal of nuclear medicine technology, vol.39, pp.55-9, 2011 (SCI-Expanded)
- X. **Bilateral asymptomatic giant renal artery aneurysm**  
Ozkan G., ULUSOY Ş., DİNÇ H., KAYNAR K., SÖNMEZ B., AKAGUNDUZ K.  
HIPPOKRATIA, vol.15, no.3, pp.269-271, 2011 (SCI-Expanded)
- XI. **FDG-PET in mantle cell lymphoma involving skin**  
SÖNMEZ M., ÇOBANOĞLU Ü., Karyagar S., SÖNMEZ B.  
TURKISH JOURNAL OF HEMATOLOGY, vol.27, no.4, pp.324-325, 2010 (SCI-Expanded)
- XII. **The changes in complete blood count in thyroid cancer patients treated with radioactive iodine ablation therapy**  
SÖNMEZ B., Dogan I., YAVRUOĞLU C., ÇAN G., SÖNMEZ M.  
TURKISH JOURNAL OF HEMATOLOGY, vol.27, no.4, pp.269-274, 2010 (SCI-Expanded)
- XIII. **Optimal positioning in the detection of inferior wall infarct size with myocardial perfusion scintigraphy: prone vs. supine**  
Dogan I., SÖNMEZ B., Karaman K., ÇELİK S., TÜRKER O.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.10, no.6, pp.539-543, 2010 (SCI-Expanded)
- XIV. **Treatment related changes in antifibrinolytic activity in patients with polycythemia vera**  
SÖNMEZ M., SAĞLAM F., KARAHAN S. C., ERKUT N., MENTEŞE A., SÖNMEZ B., UÇAR F., TOPBAŞ M., Ovalı E.  
HEMATOLOGY, vol.15, no.6, pp.391-396, 2010 (SCI-Expanded)
- XV. **Tc-99m (V) DMSA Uptake in Systemic Amyloidosis and Normal Bone Scintigraphy**  
SÖNMEZ B., ÇEKİÇ A. B., ERKUT N., PİŞKİN B., SÖNMEZ M.  
HELLENIC JOURNAL OF NUCLEAR MEDICINE, pp.69-70, 2010 (SCI-Expanded)

- XVI. **A Rare Plasma Cell Dyscrasias: IgM Myeloma: Case Report**  
SÖNMEZ M., ÇOBANOĞLU Ü., SÖNMEZ B., ERKUT N., YILMAZ M., REIS A. K., OVALI E.  
TURKIYE KLINIKLERI TIP BİLİMLERİ DERGİSİ, vol.30, no.5, pp.1727-1731, 2010 (SCI-Expanded)
- XVII. **The Changes of Complete Blood Count in The Thyroid Cancer Patients Treated with The Radioactive Iodine Ablation Therapy**  
SÖNMEZ B., DOĞAN İ., YAVRUOĞLU C., ÇAN G., SÖNMEZ M.  
TURKISH JOURNAL OF HEMATOLOGY, pp.269-274, 2010 (SCI-Expanded)
- XVIII. **Nadir Rastlanan Bir Plazma Hücre Hastalığı: IgM Myelom**  
SÖNMEZ M., ÇOBANOĞLU Ü., SÖNMEZ B., ERKUT N., YILMAZ M.  
J MED Sci, pp.1727-1731, 2010 (SCI-Expanded)
- XIX. **Tc-99m-(V) DMSA uptake in systemic AL amyloidosis and normal bone scintigraphy**  
SÖNMEZ B., ÇEKİÇ A. B., Erkut N., Piskin B., SÖNMEZ M.  
HELLENIC JOURNAL OF NUCLEAR MEDICINE, vol.13, no.1, pp.69-70, 2010 (SCI-Expanded)
- XX. **Myocardial perfusion alterations observed months after radiotherapy are related to the cellular damage**  
DOĞAN İ. S., SEZEN O., SÖNMEZ B., ZENGİN A. Y., YENİLMEZ E., YULUĞ E., ABİDİN İ., BAHAT Z.  
NUKLEARMEDİZİN-NUCLEAR MEDICINE, vol.49, no.6, pp.209-215, 2010 (SCI-Expanded)
- XXI. **Relationship between serum neutrophil count and infarct size in patients with acute myocardial infarction**  
Dogan I., Karaman K., SÖNMEZ B., ÇELİK S., TÜRKER O.  
NUCLEAR MEDICINE COMMUNICATIONS, vol.30, no.10, pp.797-801, 2009 (SCI-Expanded)
- XXII. **Multiple inflammation focuses as a cause of undiagnosed fever: Value of whole body 99mTc(V)-DMSA scintigraphy**  
SÖNMEZ B., YILMAZ G., Dogan I., KERİMOĞLU S., SÖNMEZ M.  
Hellenic Journal of Nuclear Medicine, vol.12, no.3, 2009 (SCI-Expanded)
- XXIII. **Multiple inflammation focuses as a cause of undiagnosed fever: value of whole body Tc-99m(V)-DMSA scintigraphy**  
SÖNMEZ B., YILMAZ G., Dogan I., KERİMOĞLU S., SÖNMEZ M.  
HELLENIC JOURNAL OF NUCLEAR MEDICINE, vol.12, no.3, pp.291-292, 2009 (SCI-Expanded)
- XXIV. **The association of bladder myeloid sarcoma and unclassified myelodysplastic/myeloproliferative disease**  
SÖNMEZ M., Cobanoglu U., MUNGAN S., SÖNMEZ B., ÖZYAVUZ R.  
TURKISH JOURNAL OF HEMATOLOGY, vol.26, no.2, pp.90-92, 2009 (SCI-Expanded)
- XXV. **Effects of Human Amniotic Fluid on Fracture Healing in Rat Tibia**  
KERİMOĞLU S., LİVAOĞLU M., SÖNMEZ B., YULUĞ E., AYNACI O., TOPBAŞ M., YARAR S.  
JOURNAL OF SURGICAL RESEARCH, vol.152, no.2, pp.281-287, 2009 (SCI-Expanded)
- XXVI. **Effect of pathologic fractures on survival in multiple myeloma patients: a case control study**  
SÖNMEZ M., AKAGUN T., TOPBAŞ M., ÇOBANOĞLU Ü., SÖNMEZ B., YILMAZ M., OVALI E., OMA S. B.  
JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH, vol.27, 2008 (SCI-Expanded)
- XXVII. **The role of hepatocyte growth factor in the differentiation of dendritic cells from peripheral blood monocytes**  
Sonmez M., OVALI E., DİKMEN T., Yılmaz M., ERTÜRK M., Sonmez B., OMA S. B.  
SAUDI MEDICAL JOURNAL, vol.28, no.5, pp.688-695, 2007 (SCI-Expanded)
- XXVIII. **An Unusual Etiology of Erythropoietin Resistance: Hyperthyroidism**  
KAYNAR R. K., ÖZKAN G., EREM C., GÜL S., YILMAZ M., SÖNMEZ B., ÖZDEMİR F., ULUSOY Ş.  
RENAL FAILURE, pp.759-761, 2007 (SCI-Expanded)
- XXIX. **An unusual etiology of erythropoietin resistance: Hyperthyroidism**  
Kaynar K., Özkan G., Erem C., gül S., Yılmaz M., Sonmez B., Ozdemir F., Ulusoy S.  
RENAL FAILURE, vol.29, no.6, pp.759-761, 2007 (SCI-Expanded)
- XXX. **Effects of interferon-alpha-2a on Th3 cytokine response in multiple myeloma patients**  
Sonmez M., Sonmez B., EREN N., Yılmaz M., KARTI S. S., OVALI E.

## Articles Published in Other Journals

- I. **The impact of radioactive iodine treatment on subclinical left ventricular dysfunction in patients treated for differentiated thyroid cancer: assessing the predictive value of presystolic wave**  
VURAL A., DİKBAŞ O., VURAL S., Bozoglan H., SÖNMEZ B.  
The European Research Journal, vol.9, no.2, pp.200-206, 2023 (Peer-Reviewed Journal)
- II. **A Huge Thyroid Nodule Inconsistent with Scintigraphic Findings**  
DOĞAN İ., Nuhoglu İ., SÖNMEZ B., CANSU A., YILDIZ K.  
TIP ARAŞTIRMALARI DERGİSİ, vol.9, pp.53-55, 2011 (Peer-Reviewed Journal)
- III. **Multipl Solitary Plasmocytoma: Report of A Case with Unpredictable Imaging Appearances**  
DOĞAN İ., Zengin A., SÖNMEZ B., ÖZSU S. S., CANSU A., ERSÖZ Ş., SÖNMEZ M.  
Turk J Nucl Med, vol.19, pp.154-157, 2010 (Peer-Reviewed Journal)
- IV. **Radiation Dose to Technologists per Nuclear Medicine Examination and Estimation of Annual Dose**  
BAYRAM T., YILMAZ A. H., DEMİR M., SÖNMEZ B.  
J NUCL MED TECHNOL, pp.55-59, 2010 (Peer-Reviewed Journal)
- V. **A Computer Program to Calculate Approximate Radiation Dose of Embryo Fetus for Some Radiopharmaceuticals Used in Nuclear Medicine Applications**  
BAYRAM T., SÖNMEZ B., YILMAZ A. H.  
Azerbaijan Journal of Physics Fizika, vol.16, no.2, pp.570-572, 2010 (Peer-Reviewed Journal)
- VI. **Decreased Myocardial Tl 201 Uptake in Rats Early Sign of Doxorubicin Induced Myocardial Damage and the Relation to Inflammation**  
DOĞAN İ., SÖNMEZ B., TÜRKER Ö., YENİLMEZ E., UÇAR U., ZENGİN A., YARAR S.  
Eur J Gen Med, vol.7, no.1, pp.41-49, 2010 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Ratlarda flep yaşayabilirliği üzerine mucopolysaccharide polysulfate'ın etkisi**  
LİVAOĞLU M., KARACAL N., KERİMOĞLU S., SÖNMEZ B., Livaoglu A., ARVAS L., Sözen E., Kara B.  
30. Türk Plastik Rekonstrüktif ve Estetik Cerrahisi Ulusal Kongresi, Antalya, Turkey, pp.1
- II. **Renal Torsiyona Bağlı Gelişen Tekrarlayan Akut Allograft Yetmezliği**  
KAYNAR R. K., SÖNMEZ B., KUTLU Ö., ULUSOY Ş., Cansız M., TÜRKİYILMAZ S., CANSU A., MUNĞAN S., Köseoğlu R., Kazaz İ.  
29. Ulusal Nefroloji, Hipertansiyon, Diyaliz ve Transplantasyon Kongresi, Antalya, Turkey, pp.1
- III. **Eritropoetin Direncinde Nadir bir Sebep: Hipertroidi**  
KAYNAR R. K., Özkan G., EREM C., Gül S., YILMAZ M., SÖNMEZ B., ÖZDEMİR F., ULUSOY Ş.  
24. Ulusal Nefroloji, Hipertansiyon, Diyaliz ve Transplantasyon Kongresi, Antalya, Turkey, pp.76
- IV. **Eritropoetin Direncinde Nadir bir Sebep: Hipertroidi**  
KAYNAR R. K., Özkan G., EREM C., Gül S., YILMAZ M., SÖNMEZ B., ÖZDEMİR F., ULUSOY Ş.  
24. Ulusal Nefroloji, Hipertansiyon, Diyaliz ve Transplantasyon Kongresi, Antalya, Turkey, pp.76
- V. **Yaygın ekstramedüller tutulum ile seyreden akut miyeloid lösemi: Olgu sunumu**  
SELİM BATUR D., ERKUT N., SÖNMEZ B., ÇOBANOĞLU Ü., SÖNMEZ M.  
43. Ulusal Hematoloji Kongresi, Antalya, Turkey, 1 - 04 November 2017, pp.145
- VI. **Dev plazmasitom olan Multiple Myelom: Olgu sunumu**  
SELİM BATUR D., USDA KONAK Y. Y., ERKUT N., SÖNMEZ B., ÇOBANOĞLU Ü., SÖNMEZ M.  
43. Ulusal Hematoloji Kongresi, Antalya, Turkey, 1 - 04 November 2017, pp.199-200
- VII. **RENAL TORSİYONA BAĞLI GELİŞEN TEKRARLAYAN AKUT ALLOGREFT YETMEZLİĞİ**  
KAYNAR K., SÖNMEZ B., KUTLU Ö., ULUSOY Ş., CANSIZ M., TÜRKİYILMAZ S., CANSU A., MUNGAN S., KÖSEOĞLU R.,

KAZAZ İ. O.

29. ULUSAL NEFROLOJİ, HİPERTANSİYON, DİYALİZ VE TRANSPLANTASYON KONGRESİ, Turkey, 14 September 2012 - 18 August 2015

VIII. **Evaluat-on of recurrence risk in differentiated thyroid cancer after treatment**

KOÇAK M., KÖSEOĞLU R., SÖNMEZ B., TÜRKYILMAZ S., ERSÖZ H. Ö.

17th European Congress of Endocrinology Ireland, Dublin, 16 - 20 May 2015

IX. **Evaluation of recurrence risk in differentiated thyroid cancer after treatment**

KOÇAK M., Köseoğlu R., SÖNMEZ B., TÜRKYILMAZ S., DOĞAN İ., ERSÖZ H. Ö., EREM C.

17th European Congress of Endocrinology 2015, Dublin, Ireland, 16 - 20 May 2015, vol.37, pp.37

X. **Renal Torsiyona Bağlı Gelişen Tekrarlayan Akut Allogreft Yetmezliği**

KAYNAR R. K., SÖNMEZ B., KUTLU O., ULUSOY Ş., CANSIZ M., TÜRKYILMAZ S., CANSU A., MUNĞAN S., KÖSEOĞLU R., KAZAZ İ. O.

29. Ulusal Nefroloji Hipertansiyon Diyaliz ve Transplantasyon Kongresi, Antalya, Turkey, 01 May 2012 - 06 May 2016, pp.105

XI. **Value of Tc99m(V) DMSA scintigraphy in multifocal inflammation detection**

SÖNMEZ B., YILMAZ G., DOĞAN İ., KERİMOĞLU S.

14th Congress of the International Society of Radiolabeled Blood Elements (ISORBE 2009), Antalya, Turkey, 26 - 28 March 2009, pp.43-44

XII. **Toksik Multinodüler Guatr ve Toksik Adenomlu Hastalarda Sabit Doz Radyoiyot Tedavisinin Etkinliği**

SÖNMEZ B., DOĞAN İ., KOÇAK M., Yağcı Akyol B., Algan Z.

3. Ulusal Tiroid Hastalıkları Kongresi, Trabzon, Turkey, 17 - 20 April 2008, pp.12

## Supported Projects

URALOĞLU M., URAL A., ÖREM A., SÖNMEZ B., YULUĞ E., Project Supported by Higher Education Institutions, YANIKTA STAZ ZONUNU KURTARMADA PRP'NİN ETKİNLİĞİ, 2015 - 2015

## Metrics

Publication: 49

Citation (WoS): 160

Citation (Scopus): 201

H-Index (WoS): 8

H-Index (Scopus): 8

## Non Academic Experience

SB Trabzon Numune Hastanesi

Çarşıbaşı Sağlık Ocağı