

## Lect. GORKEM GUNGOR

### Personal Information

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### Education Information

Doctorate, Istanbul Medipol University, Institute Of Health Sciences, Turkey 2017 - Continues

Post Graduate, Hacettepe University, Kanser Enstitüsü , Turkey 2005 - 2007

Under Graduate, Hacettepe University, Mühendislik Fakültesi, Nükleer Enerji Mühendisliği Bölümü, Turkey 1999 - 2005

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Course, Viewray MRIdian TDS Training, ViewRay Inc., 2018

Vocational Course, ViewRay TPS Training, ViewRay Inc., 2018

Vocational Course, Advanced IGRT Training, Varian Medical Systems, 2017

Vocational Course, EC202: Eclipse Commissioning II IMRT and VMAT v13, Varian Medical Systems, 2016

Vocational Course, TrueBeam Service Engineer Training I, Varian Medical Systems, 2014

Vocational Course, Biological Optimization/Evaluation, Varian Medical Systems, 2014

### Dissertations

Post Graduate, 6MV ve 18 MV foton enerjilerinde çok yapraklı kolimatör ve seroband alalım blokların geometrik ve dozimetrik olarak karşılaştırılması, Hacettepe University, Kanser Enstitüsü , Klinik Onkolojisi A.B.D., 2007

### Research Areas

Radiation Oncology, Atomic and Molecular Physics, Atomic Spectra and Photon Interactions, Nuclear physics, Nuclear Engineering and Nuclear Energy Studies

### Academic Titles / Tasks

Lecturer, Acibadem Mehmet Ali Aydınlar University, Vocational School of Health Services, Radiotherapy, 2010 - Continues

## Courses

SEMINARS, Post Graduate, 2020 - 2021

RADYASYON FİZİĞİ II, Post Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

RADYASYONDAN KORUNMA, Post Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

RADYASYON FİZİĞİ I, Post Graduate, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Artificial Intelligence in magnetic Resonance guided Radiotherapy: Medical and physical considerations on state of art and future perspectives.**  
Cusumano D., Boldrini L., Dhont J., Fiorino C., Green O., Güngör G., Jornet N., Klüter S., Landry G., Mattiucci G. C. , et al.  
Physica medica : PM : an international journal devoted to the applications of physics to medicine and biology : official journal of the Italian Association of Biomedical Physics (AIFB), vol.85, pp.175-191, 2021 (Journal Indexed in SCI Expanded)
- II. **Magnetic resonance image-guided adaptive stereotactic body radiotherapy for prostate cancer: preliminary results of outcome and toxicity.**  
Ugurluer G., Atalar B., Zoto M., Gungor G., Aydin G., Sengoz M., Abacioglu U., Tuna M., Kural A. R. , Ozyar E.  
The British journal of radiology, vol.94, pp.20200696, 2021 (Journal Indexed in SCI)
- III. **Risk of Symptomatic Radiation Necrosis Following Stereotactic Radiosurgery for Brain Metastases**  
Sayan M., ŞAHİN B., Mustafayev T. Z. , Kefelioğlu E. S. S. , Vergalasova I., Gupta A., Balmuk A., Gungor G., Ohri N., Weiner J., et al.  
RADIOTHERAPY AND ONCOLOGY, vol.152, 2020 (Journal Indexed in SCI)
- IV. **Risk of symptomatic radiation necrosis in patients treated with stereotactic radiosurgery for brain metastases.**  
Sayan M., Şahin B., Mustafayev T., Kefelioğlu E., Vergalasova I., Gupta A., Balmuk A., Güngör G., Ohri N., Weiner J., et al.  
Neurocirugia (Asturias, Spain), 2020 (Journal Indexed in SCI Expanded)
- V. **Patient-Reported Tolerance of Magnetic Resonance-Guided Radiation Therapy.**  
Sayan M., Serbez I., Teymur B., Gur G., Zoto Mustafayev T., Gungor G., Atalar B., Ozyar E.  
Frontiers in oncology, vol.10, pp.1782, 2020 (Journal Indexed in SCI Expanded)
- VI. **Time Analysis of Online Adaptive Magnetic Resonance-Guided Radiation Therapy Workflow According to Anatomical Sites.**  
Güngör G., Serbez İ., Temur B., Gür G., Kayalılar N., Mustafayev T., Korkmaz L., Aydın G., Yapıcı B., Atalar B., et al.  
Practical radiation oncology, 2020 (Journal Indexed in SCI)
- VII. **Estimation of secondary cancer risk after radiotherapy in high-risk prostate cancer patients with pelvic irradiation**  
HACIİSLAMOĞLU E., GÜNGÖR G., AYDIN G., CANYILMAZ E., Guler O. C. , Zengin A. Y. , Yenice K. M.  
JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS, 2020 (Journal Indexed in SCI)
- VIII. **Long-term toxicity and survival outcomes after stereotactic ablative radiotherapy for patients with centrally located thoracic tumors**  
Atalar B., Mustafayev T., Sio T., Sahin B., Gungor G., Aydın G., Yapici B., Ozyar E.  
Radiology and Oncology, 2020 (Journal Indexed in SCI)

- IX. Output factors of ionization chambers and solid state detectors for mobile intraoperative radiotherapy (IORT) accelerator electron beams**  
Gungor G., Aydin G., Mustafayev T. Z. , ÖZYAR E.  
JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS, vol.20, no.2, pp.13-23, 2019 (Journal Indexed in SCI)
- X. Secondary cancer risk after whole-breast radiation therapy: field-in-field versus intensity modulated radiation therapy versus volumetric modulated arc therapy**  
HACIİSLAMOĞLU E., Cinar Y., GÜRCAN F., CANYILMAZ E., GÜNGÖR G., Yoney A.  
BRITISH JOURNAL OF RADIOLOGY, vol.92, no.1102, 2019 (Journal Indexed in SCI)
- XI. Toxicities and Survival after Stereotactic Ablative Radiotherapy (SABR) for Centrally Located Lung Tumors**  
Atalar B., Mustafayev T., Sio T., Sahin B., Gungor G., Aydin G., Yapici B., Ozyar E.  
JOURNAL OF THORACIC ONCOLOGY, vol.13, no.10, 2018 (Journal Indexed in SCI)
- XII. Impact of Rectal Balloon and MRI Delineation on Anorectal Dose and Gastrointestinal Toxicity Levels**  
GÜNGÖR G., Aydin G., Ozyar E.  
INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS, vol.100, no.5, pp.1291, 2018 (Journal Indexed in SCI)
- XIII. Robotic radiosurgery of head and neck paragangliomas: a single institution experience**  
Tosun I., Atalar B., Sahin B., GÜNGÖR G., Aydin G., Yapici B., Ozyar E.  
ASIA-PACIFIC JOURNAL OF CLINICAL ONCOLOGY, vol.14, no.2, 2018 (Journal Indexed in SCI)
- XIV. Improvement of conformal arc plans by using deformable margin delineation method for stereotactic lung radiotherapy**  
GÜNGÖR G., Demir M., Aydin G., Yapici B., Atalar B., Ozyar E.  
JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS, vol.19, no.1, pp.184-193, 2018 (Journal Indexed in SCI)
- XV. Re-Irradiation of Non-Small Cell Lung Cell Cancer Recurrences with Stereotactic Body Radiotherapy**  
Atalar B., Sahin B., Gungor G., Aydin G., Yapici B., Ozyar E.  
JOURNAL OF THORACIC ONCOLOGY, vol.12, no.1, 2017 (Journal Indexed in SCI)
- XVI. Dosimetric Comparison of Robotic and Conventional Linac-Based Stereotactic Lung Irradiation in Early-Stage Lung Cancer**  
Atalar B., Aydin G., Gungor G., Caglar H., Yapici B., Ozyar E.  
TECHNOLOGY IN CANCER RESEARCH & TREATMENT, vol.11, no.3, pp.249-255, 2012 (Journal Indexed in SCI)
- XVII. Use of volumetric modulated arc radiotherapy in patients with early stage glottic cancer**  
Atalar B., Gungor G., Caglar H., Aydin G., Yapici B., Ozyar E.  
TUMORI, vol.98, no.3, pp.331-336, 2012 (Journal Indexed in SCI)
- XVIII. Intensity modulated radiotherapy (IMRT) in bilateral retinoblastoma**  
Atalar B., Ozyar E., Gunduz K., Gungor G.  
RADIOLOGY AND ONCOLOGY, vol.44, no.3, pp.194-198, 2010 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. Stereotactic MR-guided online adaptive radiation therapy (SMART) for the treatment of liver metastases in oligometastatic patients: initial clinical experience**  
UĞURLUER G., Mustafayev T. Z. , GUNGOR G., ATALAR B., ABACIOGLU M. U. , ŞENGÖZ K. M. , AGAOGLU F., Demir G., ÖZYAR E.  
RADIATION ONCOLOGY JOURNAL, vol.39, no.1, pp.33-40, 2021 (Journal Indexed in ESCI)
- II. Magnetic resonance image-guided stereotactic body radiation therapy for liver rhabdoid tumor in infancy: A case report**  
Egriboyun S., UĞURLUER G., Corapcioglu F. V. , Celik L., GUNGOR G., ATALAR B., ÖZYAR E.  
Journal of Medical Imaging and Radiation Sciences, 2021 (Refereed Journals of Other Institutions)
- III. Management of symptomatic radiation necrosis after stereotactic radiosurgery and clinical factors for treatment response.**

Sayan M., Mustafayev T. Z. , Balmuk A., Mamidanna S., Kefelioglu E. S. S. , GUNGOR G., Chundury A., Ohri N., KARAARSLAN E., ÖZYAR E., et al.

Radiation oncology journal, vol.38, no.3, pp.176-180, 2020 (Journal Indexed in ESCI)

- IV. **Multichannel Film Dosimetry for Quality Assurance of Intensity Modulated Radiotherapy Treatment Plans Under 0.35 T Magnetic Field**  
Gungor G., Korkmaz L., Kayalilar N., Aydın G., Yapici B., Mustafayev T. Z. , Atalar B., Ozyar E.  
CUREUS, vol.12, 2020 (Journal Indexed in ESCI)
- V. **Magnetic Resonance–Guided Radiation Therapy to Boost Cervical Cancer When Brachytherapy Is Not Available: A Case Report**  
Sayan M., Mustafayev T. Z. , ATALAR B., GÜNGÖR G., ÖZYAR E.  
Advances in Radiation Oncology, 2020 (Journal Indexed in ESCI)
- VI. **Evaluation of response to stereotactic radiosurgery in patients with radioresistant brain metastases**  
Sayan M., Zoto M., Sahin B., Kefelioglu E., Wang S., Kurup V., Balmuk A., Gungor G., Ohri N., Weiner J., et al.  
RADIATION ONCOLOGY JOURNAL, vol.37, no.4, pp.265-270, 2019 (Journal Indexed in ESCI)
- VII. **First 500 Fractions Delivered with a Magnetic Resonance-guided Radiotherapy System: Initial Experience**  
Sahin B., Zoto M., Gungor G., Aydın G., Yapici B., Atalar B., Ozyar E.  
CUREUS, vol.11, no.12, 2019 (Journal Indexed in ESCI)
- VIII. **Non-small Cell Lung Cancer with Multiple Brain Metastases Treated with Radiosurgery and Erlotinib: A Case Report**  
Sahin B., Mustafayev T., Aydın G., GÜNGÖR G., Yapici B., Atalar B., Ozyar E.  
CUREUS, vol.9, no.12, 2017 (Journal Indexed in ESCI)
- IX. **Streotaktik Radyoterapi ve Radyocerrahi**  
Gungor G., Aydın G., Yapıcı B.  
Türkiye Klinikleri Radyasyon Onkolojisi Özel Dergisi, vol.2, no.3, pp.22-28, 2016 (Other Refereed National Journals)
- X. **Comparisons of static 7 field and dynamic conformal arc techniques for stereotactic lung radiotherapy Stereotaktik akciğer ışınlamalarında statik 7 alan ve dinamik konformal ark tekniklerinin karşılaştırılması**  
ATALAR B., Küçükorkoç E., Doyuran M., Güngör G., Aydın G., Yapici B., Çağlar H., ÖZYAR E.  
Turk Onkoloji Dergisi, vol.27, no.3, pp.111-118, 2012 (Journal Indexed in ESCI)

## Books & Book Chapters

### I. Hedef Hacim ve Kritik Organ Tanımlamaları

Gungor G.

in: RADYOTERAPİ FİZİĞİ, Haticve Bilge Becerir Fadime Alkaya, Editor, Nobel Yayın Dağıtım, İstanbul, pp.501-514, 2020

### II. Stereotaktik Radyoterapi

Gungor G.

in: TEMEL VE KLİNİK RADYOTERAPİ, Rıza Çetingöz, Melahat Garipağaoğlu, Cem Uzal, Hatice Bilge Becerir, Şaban Çakır Gökçe, Gökhan Özyiğit, Oğuz Galip Yıldız, Editor, TÜRK RADYASYON ONKOLOJİSİ DERNEĞİ YAYINLARI, İstanbul, pp.115-125, 2013

## Refereed Congress / Symposium Publications in Proceedings

### I. Feasibility of Stereotactic MR-Guided Adaptive Radiotherapy in Localized Prostate Cancer

Mustafayev T. Z. , Atalar B., Gungor G., Sengoz M., Abacioglu U., Ozyar E.

62nd Annual Meeting of the American-Society-for-Radiation-Oncology (ASTRO), ELECTR NETWORK, 25 - 28 October 2020, vol.108

- II. **Time Analysis in Magnetic Resonance Image-Guided Radiotherapy Workflow**  
Mustafayev T. Z. , Sahin B., Gungor G., Aydin G., Serbez I., Teymur B., Gur G., Arabaci G., Atalar B., Yapici B., et al.  
61st Annual Meeting of the American-Society-for-Radiation-Oncology (ASTRO), Illinois, United States Of America, 15 - 18 September 2019, vol.105
- III. **Benchmarking of Low-Field MR-Linacs in a Multi-Institutional International Consortium**  
Glide-Hurst C., Yadav P., Gutierrez A., Gungor G., Hoffmans D., Mittauer K., Sethi A., Romaguera T., Pennell R., Palacios M., et al.  
Annual Meeting of the American-Association-of-Physicists-in-Medicine (AAPM), San-Antonio, Northern Mariana Islands, 14 - 18 July 2019, vol.46
- IV. **Pelvik ışınlama yapılan ve yapılmayan yüksek risk prostat kanseri radyoterapisi sonrası ikincil kanser riskinin tahmini**  
HACIİSLAMOĞLU E., GÜNGÖR G., AYDIN G., CANYILMAZ E., YÖNEY A.  
XXIII. Ulusal Kanser Kongresi, Turkey, 17 - 21 April 2019
- V. **Tüm Meme Radyoterapisi Sonrası İkincil Kanser Riski: FiF, IMRT ve VMAT Tekniklerinin Karşılaştırılması**  
HACIİSLAMOĞLU E., ÇINAR Y., GÜRCAN F., CANYILMAZ E., GÜNGÖR G., YÖNEY A.  
XXIII. Ulusal Kanser Kongresi, Turkey, 17 - 21 April 2019
- VI. **The Effect of Flattening Filter-Free Beams with Different Single Fraction Doses on the Survival of Prostate Cancer Cell**  
Ceylan C., Ozturk A., Gungor G., Duruksu G., Yazir Y., Aksu G., Gundogdu O.  
60th Annual Meeting of the American-Association-of-Physicists-in-Medicine, Tennessee, United States Of America, 29 July - 02 August 2018, vol.45
- VII. **Clinical outcome and toxicity of stereotactic ablative radiotherapy to centrally located tumors.**  
Atalar B., Sahin B., Mustafayev T. Z. , Gungor G., Aydin G., Yapici B., Ozyar E.  
37th Meeting of the European-Society-for-Radiotherapy-and-Oncology (ESTRO), Barcelona, Spain, 20 - 24 April 2018, vol.127
- VIII. **Improvement of Conformal Arc Plans By Using Deformable Margin DelineationTechnique in Stereotactic Body Radiotherapy**  
Gungor G., Demir M., Aydin G., Atalar B., Yapici B., Ozyar E.  
59th Annual Meeting and Exhibition of the American-Association-of-Physicists-in-Medicine (AAPM), Colorado, United States Of America, 30 July - 03 August 2017, vol.44, pp.2962
- IX. **Comparison of Conformal and Volumetric Modulated Arc Techniques According to RTOG 0915 Protocol Treatment Planning Guidelines in Stereotactic Lung Radiation Therapy**  
Baslangic B., Gungor G., Atalar B., Uluer M., Karademir M., Aydin G., Sahin B., Yapici B., Ozyar E.  
57th Annual Meeting of the American-Society-for-Radiation-Oncology (ASTRO), San-Antonio, Northern Mariana Islands, 18 - 21 October 2015, vol.93
- X. **Cyberknife ve Gamma Knife Tedavilerinde Hedef Hacim ve Normal Doku Dozlarının Karşılaştırılması**  
Namık K., Şenkesen Ö., Güngör G., Aydın G., Yapıcı B., Özkök H. B. , Peker S., Şengöz K. M.  
14. Ulusal Medikal Fizik Kongresi, Antalya, Turkey, 21 - 24 November 2013, pp.230
- XI. **Comparison of doses calculated by PBC and AAA calculation algorithms in heterogeneous tissues**  
Küçükorkoç E., Güngör G., Şenkesen Ö., Garipağaoğlu M.  
2th ESTRO Forum, Geneve, Switzerland, 19 - 23 April 2013, vol.106, no.2, pp.449-450

## **Memberships / Tasks in Scientific Organizations**

Türk Radyasyon Onkolojisi Derneği, Member, 2007 - Continues, Turkey

Medikal Fizik Derneği, Member, 2006 - Continues, Turkey

TMMO Fizik Mühendisleri Odası, Member, 2005 - Continues, Turkey

Nükleer Enerji Mühendisleri Derneği, Member, 2005 - Continues, Turkey

## Scientific Refereeing

PHYSICA MEDICA, Journal Indexed in SSCI, April 2021

## Tasks In Event Organizations

Gungor G., Yapıcı B., Aydın G., 14. MEDİKAL FİZİK KONGRESİ, Scientific Congress, Antalya, Turkey, Kasım 2013

## Edit Congress and Symposium Activities

SOGAZ Neutron Scattering Congress, Invited Speaker, Sankt-Peterburg, Russia, 2020

XVII. MEDİKAL FİZİK KONGRESİ, Invited Speaker, İstanbul, Turkey, 2019

MR Tabanlı Radyoterapi, Invited Speaker, İstanbul, Turkey, 2019

ESTRO , Invited Speaker, Milan, Italy, 2019

Türk Radyasyon Onkolojisi Derneği Kongresi UROK, Invited Speaker, Antalya, Turkey, 2018

International ISRS Congres, Invited Speaker, Lausanne, Switzerland, 2017

International ISRS Congress, Invited Speaker, Lausanne, Switzerland, 2017

Romanian Medical Physics Congress, Invited Speaker, Iasi, Romania, 2017

Türk Radyasyon Onkolojisi Derneği Kongresi UROK, Invited Speaker, Antalya, Turkey, 2016

International ISRS Congres, Invited Speaker, Yokohama, Japan, 2015

## Citations

Total Citations (WOS):70

h-index (WOS):5

## Invited Talks

Human-Level Precision Upper Abdominal OAR Contouring With Anatomically Preserving Deep Learning During Magnetic Resonance Imaging Guided Adaptive Radiotherapy (MRgRT), Conference, ASTRO, United States Of America, October 2021

Lowering Barriers to High Quality RT Treatments, Conference, ESTRO, Spain, August 2021

## Non Academic Experience

Professional Chamber

Private Hospital

Professional Association, Turkish Society for Radiation Oncology, Radiation Oncology

Professional Organization, Chamber of Medical Physiscs, Medical Physiscs

Private Hospital