

## MD Berke ŞENGÜN



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### International Researcher IDs

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### Education Information

Expertise In Medicine, Istanbul University, Istanbul Medical Faculty, Cerrahi Tıp Bilimleri Bölümü, Turkey 2020 - Continues

Undergraduate, Koc University, School of Medicine, Turkey 2013 - 2019

### Research Areas

General Surgery

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Utilization of Artificial Intelligence in Minimally Invasive Right Adrenalectomy: Recognition of Anatomical Landmarks with Deep Learning.**  
Sengun B., Iscan Y., Yazici Z. A., Sormaz I. C., Aksakal N., Tunca F., Ekenel H. K., Giles Senyurek Y.  
Acta chirurgica Belgica, pp.1-8, 2024 (SCI-Expanded)
- II. **The Impact of Intraoperative Neural Monitoring During Papillary Thyroid Cancer Surgery on Completeness of Thyroidectomy and Thyroglobulin Response: A Propensity-Score Matched Study.**  
Iscan Y., Sengun B., Karatas I., Atalay H. B., Sormaz I. C., Onder S., Yegen G., Haciasahinogullari H., Tunca F., GilesSenyurek Y.  
Acta chirurgica Belgica, pp.1-13, 2024 (SCI-Expanded)
- III. **Endovascular and surgical management of splenic artery aneurysms**  
Yanar F., Canbay Torun B., Ilhan B., Gok A. F. K., Azamat İ. F., Sengun B., Çakır M. S., Genc F. A.  
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.30, no.1, pp.38-42, 2024 (SCI-Expanded)
- IV. **Artificial Intelligence in Minimally Invasive Adrenalectomy: Using Deep Learning to Identify the Left Adrenal Vein**  
Sengun B., Iscan Y., Tataroglu Ozubulak G. A., Kumbasar N., Egriboz E., Sormaz İ. C., Aksakal N., Deniz S. M., Haklidir M., Tunca F., et al.  
SURGICAL LAPAROSCOPY ENDOSCOPY & PERCUTANEOUS TECHNIQUES, vol.33, no.4, pp.327-331, 2023 (SCI-Expanded)
- V. **Clinical outcomes of obstructive colorectal cancer patients during the coronavirus disease 2019**

**pandemic Koronavirüs hastalığı 2019 pandemisi sırasında tıkalı kolorektal kanser hastalarının klinik sonuçları**

Kulle C. B., Sengun B., Gok A. F. K., Ozgur İ., Bayraktar A., Ertekin C., Deniz A. B., Keskin M.  
Ulusal Travma ve Acil Cerrahi Dergisi, vol.29, no.6, pp.663-668, 2023 (SCI-Expanded)

- VI. **Do surface morphology and pit pattern have a role in predicting cancer for colon polyps in North America?**  
Özgür İ., Sapci I., Şengün B., Valente M. A., Steele S. R., Liska D., Delaney C. P., Gorgun E.  
Surgical Endoscopy, vol.37, no.3, pp.2354-2358, 2023 (SCI-Expanded)
- VII. **Robotic complete mesocolic excision for transverse colon cancer can be performed with a morbidity profile similar to that of conventional laparoscopic colectomy**  
ÖZBEN V., de Muijnck C., ŞENGÜN B., Zenger S., Agcaoglu O., Balik E., AYTAÇ E., BİLGİN İ. A., BACA B., HAMZAOĞLU İ. H., et al.  
TECHNIQUES IN COLOPROCTOLOGY, vol.24, no.10, pp.1035-1042, 2020 (SCI-Expanded)
- VIII. **Robust, Long-Term Culture of Endoderm-Derived Hepatic Organoids for Disease Modeling**  
Akbari S., Sevinc G. G., Ersoy N., Basak O., Kaplan K., Sevinc K., Ozel E., ŞENGÜN B., Enustun E., Ozcimen B., et al.  
STEM CELL REPORTS, vol.13, no.4, pp.627-641, 2019 (SCI-Expanded)
- IX. **Comparison of Technical Details and Short-term Outcomes of Single-incision Versus Multiport Laparoscopic Adrenalectomy**  
Agcaoglu O., ŞENGÜN B., Senol K., Gurbuz B., Ozoran E., Carilli S., Tezelman S.  
SURGICAL LAPAROSCOPY ENDOSCOPY & PERCUTANEOUS TECHNIQUES, vol.29, no.1, pp.49-52, 2019 (SCI-Expanded)
- X. **Should we perform routine prophylactic central neck dissection in patients with thyroid papillary microcarcinoma?**  
Agcaoglu O., ŞENGÜN B., Ozoran E., Bilgic C., Karabay O., Taskin O. C., Yazici D., Tezelman S.  
ANNALI ITALIANI DI CHIRURGIA, vol.89, no.6, pp.485-488, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Left Adrenal Venous Drainage into the Inferior Vena Cava in a Pheochromocytoma Patient with Ectopic Pelvic Kidney**  
ŞENGÜN B., İŞCAN A. Y., SORMAZ İ. C., AKSAKAL N., POYANLI A., TUNCA F., ŞENYÜREK Y.  
MEDICAL BULLETIN OF SISLI ETFAL HOSPITAL, no.1, pp.136-139, 2023 (ESCI)
- II. **Minimally invasive versus open surgery for gastric cancer in turkish population original article**  
Ağcaoğlu O., ŞENGÜN B., Tarcan S., AYTAÇ E., Bayram O., Zenger S., Benlice Ç., ÖZBEN V., Balik E., BACA B., et al.  
Turkish Journal of Surgery, vol.37, no.2, pp.142-150, 2021 (Scopus)
- III. **Laser fistula surgery [Filac]: When and how?**  
Gorgun E., ŞENGÜN B.  
SEMINARS IN COLON AND RECTAL SURGERY, vol.30, no.4, 2019 (ESCI)
- IV. **Retrograde transcatheter closure of anterior mitral valve leaflet perforation**  
ŞENGÜN B., Yilidirim I., Yildiz O., Celiker A.  
ANNALS OF PEDIATRIC CARDIOLOGY, vol.12, no.3, pp.312-314, 2019 (ESCI)

## Books & Book Chapters

- I. **How Should Surgical Approach Be in Patients with Diabetic Foot Infection?**  
Yanar F., Şengün B.  
in: Diabetic Foot Infections, Ayten Kadanali, Editor, Türkiye Klinikleri Yayınevi, İstanbul, pp.41-45, 2024
- II. **Blunt Cardiac Injury**  
Yanar F., Şengün B.

in: Current Diagnosis & Treatment Surgery, M. Mahir Özmen, Editor, Güneş Kitabevi, İstanbul, pp.1241-1245, 2023

III. **Damar Yaralanmaları - 22.1 Tanı Yöntemleri ve Genel Yaklaşım**

Yanar F., Şengün B.

in: TRAVMA, Cemalettin Ertekin, Orhan Alimoğlu, Mehmet Eryılmaz, Ali Fuat Kaan Gök, Adnan Özpek, Editor, EMA Tıp Kitabevi, İstanbul, pp.1264-1274, 2022

**Refereed Congress / Symposium Publications in Proceedings**

- I. **Can Artificial Intelligence and Ultrasound-assisted Decision Algorithms Replace Diagnostic Surgery for Indeterminate Thyroid Nodules?**  
Şengün B., İşcan A. Y., Yazıcı Z. A., Tozlu B., Sormaz İ. C., Aksakal N., Yegen G., Ekenel H. K., Tunca F., Şenyürek Y.  
23. Ulusal Cerrahi Kongresi, Antalya, Turkey, 24 April 2024, pp.1-2
- II. **Is Biopsy Necessary for Thyroid Nodules Over 4 cm?**  
Gider İ., Vardar S., Şengün B., Karatas I., İşcan A. Y., Önder S., Sormaz İ. C., Aksakal N., Salmashoğlu A., Tunca F., et al.  
23. Ulusal Cerrahi Kongresi, Antalya, Turkey, 24 April 2024, pp.1-2
- III. **Extent of Surgery in the Surgical Treatment of Graves' Disease: Subtotal vs. Total Thyroidectomy and Comparison of the Long-Term Results**  
Şengün B., İşcan A. Y., Sormaz İ. C., Aksakal N., Yegen G., Hacışahinoğulları H., Işık E. G., Tunca F., Şenyürek Y.  
23. Ulusal Cerrahi Kongresi, Antalya, Turkey, 24 April 2024
- IV. **The Effect of Metastatic Lymph Node Ratio on Dynamic Risk Assessment and Response to Therapy in the Surgical Treatment of Differentiated Thyroid Cancer**  
Şengün B., Gider İ., Karatas I., İşcan A. Y., Sormaz İ. C., Aksakal N., Yegen G., Tunca F., Şenyürek Y.  
23. Ulusal Cerrahi Kongresi, Antalya, Turkey, 02 July 2024, pp.1-2
- V. **Resuscitative Thoracotomy: Training and Proficiency among General Surgery Residents**  
Ercan L. D., Polat N. C., Şengün B., Güden İ., Gök A. F. K., Ertekin C.  
11th World Society of Emergency Surgery, Rodos, Greece, 25 - 28 June 2024, pp.1-2
- VI. **Utilization of Artificial Intelligence in Minimally Invasive Right Adrenalectomy: Recognition of Anatomical Landmarks with Deep Learning**  
Şengün B., İşcan A. Y., Yazıcı Z. A., Sormaz İ. C., Aksakal N., Tunca F., Ekenel H. K., Şenyürek Y.  
European Society of Endocrine Surgeons, 20th Biennial Congress, Rome, Italy, 23 May 2024, pp.1-2
- VII. **TEP SIRASINDA OLUŞAN PERİTONEAL AÇIKLIKLARIN KAPATILMASINDA LİGASURE İLE METALİK KLİP TEKNİĞİNİN ETKİNLİĞİNİN DEĞERLENDİRİLMESİ**  
, Yanar F., Başoğlu H., Azamat İ. F., Şengün B., Avlanmış Ö., Yanar H. T.  
9. Ulusal Fıtık Kongresi, Nevşehir, Turkey, 16 - 19 November 2023, pp.1
- VIII. **GEÇİRİLMİŞ ALT BATIN CERRAHİSİ TEP TEKNİĞİ İLE FITİK ONARIMINA ENGEL MİDİR?**  
Yanar F., Başoğlu H., Azamat İ. F., Şengün B., Avlanmış Ö., Yanar H. T.  
9. Ulusal Fıtık Kongresi, Nevşehir, Turkey, 16 - 19 November 2023, pp.1
- IX. **Artificial Intelligence in Minimally Invasive Adrenalectomy: Recognizing the Left Adrenal Vein Using Deep Learning**  
Şengün B., İşcan A. Y., Tataroğlu Özbülak G. A., Kumbasar N., Eğriboz E., Sormaz İ. C., Aksakal N., Deniz S. M., Hakkıdır M., Şenyürek Y., et al.  
11. Ulusal Endokrin Cerrahi Kongresi, Antalya, Turkey, 16 - 19 March 2023, pp.21-22
- X. **Göbek Fıtığıyla Karışan Nadir Bir Olgu: Umbilikal Epidermoid Kist**  
Yanar F., Şengün B., Azamat İ. F., Kolik A. K., Kozanoğlu E.  
22. Ulusal Cerrahi Kongresi, Antalya, Turkey, 23 - 27 March 2022, pp.79
- XI. **Clinical outcomes of obstructive colorectal cancer patients during the COVID-19 pandemic**  
Özgür İ., Şengün B., Deniz A. B., Kulle C. B., Bayraktar A., Gök A. F. K., Bulut M. T., Keskin M.  
Ist Turkish International Colorectal Surgery Congress, XVIIIth Turkish Colon and Rectal Surgery Congress, Antalya, Turkey, 30 November - 04 December 2021, vol.53, pp.26
- XII. **A NEW TECHNIQUE IN TREATMENT OF ZENKER DIVERTICULUM: SUBMUCOSAL TUNNELING**

## **ENDOSCOPIC SEPTUM DIVISION (Z-POEM) VERSUS CLASSIC ENDOSCOPIC SEPTOMYOTOMY TECHNIQUES**

Aslan F., Yilmaz O., Sengun B., Unlukaplan A., Karahan S. N., Kocak E.

Digestive Disease Week (DDW), California, United States Of America, 18 - 21 May 2019, vol.89

- XIII. **NEOADJUVANT THERAPY RESISTANT LOCALLY ADVANCED RECTAL CANCER: WHEN TO JUMP SHIP?**  
Esen E., Yozgatli T. K., AYTAÇ E., Zenger S., Akbaba A. C., Sengun B., Ozben V., Agcaoglu O., Gurbuz B., Sahin B., et al.  
Annual Scientific Meeting of the American-Society-of-Colon-and-Rectal-Surgeons (ASCRS), Ohio, United States Of America, 1 - 05 June 2019, vol.62
- XIV. **PER-ORAL ENDOSCOPIC MYOTOMY (POEM) IN THE TREATMENT OF ACHALASIA; CLINICAL OUTCOMES OF 430 PATIENTS, SINGLE CENTER STUDY**  
Aslan F., Karahan S. N., Yilmaz O., Sengun B., Kocak E., Darcin K.  
Digestive Disease Week (DDW), California, United States Of America, 18 - 21 May 2019, vol.89
- XV. **Fekal İnkontinansın Tedavisinde Perkütan Tibial Sinir Stimülasyonunun Farklı Uyarı Protokollerindeki Etkinliği**  
ŞENGÜN B., ÖZGÜR İ., NUHOĞLU H., BAYRAM O., ÖZORAN E., UYMAZ D. S., SEZGEN A., KESKİN M., BULUT M. T., BALIK E., et al.  
17. Türk Kolon Ve Rektum Cerrahisi Kongresi, Antalya, Turkey, 9 - 13 April 2019

### **Metrics**

Publication: 32

Citation (WoS): 127

Citation (Scopus): 126

H-Index (WoS): 5

H-Index (Scopus): 5

### **Awards**

Şengün B., Yazıcı Z. A., Kulle C. B., Bayraktar A., Özgür I., Ekenel H. K., Keskin M., First Place - Oral Presentations, 19. Ulusal Kolon Ve Rektum Cerrahisi Kongresi, May 2023

Şengün B., Işcan A. Y., Tataroğlu Özbülak G. A., Kumbasar N., Eğriboz E., Sormaz I. C., Deniz S. M., Hakkıdır M., Aksakal N., Tunca F., et al., First Place - Oral Presentations, 11. Ulusal Endokrin Cerrahi Kongresi, March 2023

Şengün B., First Place - Oral Presentations, 21. Ulusal Cerrahi Kongresi, April 2018