

CURRICULUM VITAE

Emel Ece ÖZCAN-EKŞİ, MD, Associate Professor, FEBPRM

Department of Physical Medicine and Rehabilitation, School of Medicine, Bahçeşehir University

Date and place of birth: 1984, Antalya, Turkey

Marital status: Married

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Education and Experiences

1991 - 1994	Akdeniz College, Mahmut Celal Ünal Private Elementary School, Antalya, Turkey
1994 - 2001	Antalya Anatolian High School, Antalya, Turkey
2001 - 2007	Akdeniz University School of Medicine (Medical Doctor), Antalya, Turkey
Oct 2006 – Mar 2007	Internship as Erasmus Exchanges Student at Hannover Medical School (Medizinische Hochschule Hannover), Hannover, Germany
Oct-Nov 2007	Compulsory service as a medical doctor for government at Gazlıgöl Sağlık Ocağı, İhsaniye, Afyonkarahisar, Turkey
Dec 2008 –Jun 2013	Resident at Department of Physical Medicine and Rehabilitation, Marmara University School of Medicine, Istanbul, Turkey
Feb– Mar 2013	Observership at Spine Division, Department of Orthopaedic Surgery, University of California, San Francisco, San Francisco, CA, USA

Aug 2013 – Aug 2015	Spine Scholarly Research Fellow and Assistant Specialist at Spine Division, Department of Orthopaedic Surgery, University of California, San Francisco, San Francisco, CA, USA
2015 -	Education Commission for Foreign Medical Graduate Certification (ECFMG/ United States Medical Licensing Exam = USMLE) (# 0-940-751-1)
Jan 2016 – Jun 2018	Compulsory service as a physiatrist for government at Antalya Atatürk State Hospital Physical Medicine and Rehabilitation Clinic, Antalya, Turkey
Jan 2017	Certified as Fellow of European Board of Physical and Rehabilitation (#2822; Valid until December 2026)
Mar 2018-	Faculty at Department of Physical Medicine and Rehabilitation, School of Medicine, Bahçeşehir University, Istanbul, Turkey
Jul 2018-Jan 2020	Assistant Professor at Bahçeşehir Üniversitesi MedicalPark Göztepe Hospital Department of Physical Medicine and Rehabilitation, Istanbul, Turkey
Mar 2020-Oct 2021	Acıbadem Altunizade Hospital Department of Physical Medicine and Rehabilitation, Istanbul, Turkey
Jun 2021	Associate Professor of Physical Medicine and Rehabilitation (certified)
Nov 24, 2021-	Acıbadem Bağdat Caddesi Medical Center, Department of Physical Medicine and Rehabilitation, Istanbul, Turkey
June 30, 2021-	Certified as Associate Professor of Physical Medicine and Rehabilitation

Languages

English (2012 UDS: 83,75; 2016 YDS: 82,5, 2021 YÖKDİL: 85), German (above B1)

Certifications

1. Chronic Pain and Physiatrist, 39th Çubukçu Days, November 13-15, 2008, Istanbul, Turkey
2. Uncommon Causes of Hip Pain. The 11th Ismet Çetinyalçın Days, May 30, 2009, Istanbul, Turkey
3. The 22nd National Congress of Physical Medicine and Rehabilitation, June 13-17, 2009, Istanbul, Turkey
4. The 5th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 13-17, 2009, Istanbul, Turkey
5. Basic Electrodiagnosis Course, The 5th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 13-17, 2009, Istanbul, Turkey

- 6.** Clinical Research Training Program, November 21, 2009, Istanbul, Turkey
- 7.** Cranio-Cervical System and Temporomandibular Joint, the 40th Çubukçu Days, December 11-12 2009, Istanbul, Turkey
- 8.** Botulinum Toxin Application Course, Department of Orthopaedic Surgery, School of Medicine, Yeditepe University, May 13, 2010, Istanbul, Turkey
- 9.** Urogynecologic Rehabilitation, the 41th Çubukçu Days, November 25-26 2010, Istanbul, Turkey
- 10.** INFORM, the 1st CEE Inflammation Course, October 29-30, 2010, Antalya, Turkey
- 11.** Painful Foot, the 8th Cerrahpaşa Locomotor System Days, December 3-4, 2010, Istanbul, Turkey
- 12.** Physical Examination and Evaluation in Cerebral Palsy, December 24, 2010, Istanbul, Turkey
- 13.** Stroke and Ankylosing Spondylitis From A to Z, January 14-15, 2012, Samsun, Turkey
- 14.** The 8th Neuropathic Pain Symposium, March 11-13, 2011, Antalya, Turkey
- 15.** Musculoskeletal Ultraonography Course, the 23th National Congress of Physical Medicine and Rehabilitation, May 11-15, 2011, Antalya, Turkey
- 16.** Intra-articular Injection Course, Enjeksiyon Kursu, the 23th National Congress of Physical Medicine and Rehabilitation, May 11-15, 2011, Antalya, Turkey
- 17.** The 23th National Congress of Physical Medicine and Rehabilitation, May 11-15, 2011, Antalya, Turkey
- 18.** Interventions in Pain Management From the Eye of Physiatrist, December 2, 2011, Istanbul, Turkey
- 19.** Obesity and Physical Medicine and Rehabilitation, the 42nd Çubukçu Days, December 10 2011, Istanbul, Turkey
- 20.** Breast Cancer Rehabilitation and Complex Decongestive Therapy Course, November 19, 2011, Istanbul, Turkey
- 21.** Marmara University Physical Medicine and Rehabilitation TURK-MUSKULUS Ultrasonography Days, March 1-2, 2012, Istanbul, Turkey
- 22.** The 11th Spinal Cord Injury Symposium, March 17, 2012, Istanbul, Turkey
- 23.** The 12th National Pain Congress, May 17-20, 2012, Istanbul, Turkey

- 24.** Breaking Updates in Management of Disc Herniation, the 14th İsmet Çetinyalçın Days, May 25, 2012, Istanbul, Turkey
- 25.** The 10th Turkish Rheumatology Symposium, April 11-14, 2013, Muğla, Turkey
- 26.** The 75th Annual Meeting of American Association of Physical Medicine and Rehabilitation (AAPM&R), November, 2013, Washington, DC, USA
- 27.** The 76th Annual Meeting American Association of Physical Medicine and Rehabilitation (AAPM&R), November 13-16, 2014, San Diego, CA, USA
- 28.** Scientific Writing Course, February-March 2014, University of California, San Francisco, San Francisco, CA, USA
- 29.** The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico
- 30.** International Society of the Study of the Lumbar Spine (ISSLS), the 42nd Annual Meeting, June 7-10, 2015, San Francisco, CA, USA
- 31.** North American Spine Society (NASS), the 30th Annual Meeting, October 14-17, 2015, Chicago, IL, USA
- 32.** The 13th Neuropathic Pain Symposium, March 11-13, 2016, Antalya, Turkey
- 33.** The 12th International Turkish Spine Congress, April 19-22, 2017, Antalya, Turkey
- 34.** International Society of the Study of the Lumbar Spine (ISSLS), the 44th Annual Meeting, May 2-June 2, 2017, Athens, Greece
- 35.** International Society of the Study of the Lumbar Spine (ISSLS), the 46th Annual Meeting, June 3-7, 2017, Kyoto, Japan
- 36.** The 13th International Turkish Spine Congress, April 3-6, 2019, İzmir, Turkey
- 37.** The 15th Nervous System Surgery Society Congress, November 21-24, 2019, Edirne, Turkey
- 38.** The 3rd Physical Medicine and Rehabilitation Days, Spinal Cord Injury Rehabilitation and Musculoskeletal System Disorders Symposium, December 3, 2019, Istanbul, Turkey

39. American Association of Neuroelectrodiagnostic Medicine (AANEM) Ultra EMG 2020 Course,
February 19-22, 2020, Fort Lauderdale, FL, USA

40. International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via
UCSF, May 31-June 4, 2021.

41. Extracorporeal Shockwave Therapy Online Training by CN Christopher– Udemy - June 2021

Memberships

Istanbul Medical Chamber (since 2009)

Turkische Physical Medicine and Rehabilitation Society (since 2009)

North American Spine Society (2014)

Turkish Spine Society (since 2017)

International Society for the Study of the Lumbar Spine =ISSLS) (since 2017)

American Association of Neuroelectrodiagnostic Medicine (AANEM) (since 2017, member# 51327)

Summary of academic activities

- A- International peer-reviewed publications: 41 (39'u PubMed'dedir)**
- B- National peer-reviewed publications: 3**
- C- International and national book chapters: 3 (2 international, 1 national)**
 - i. Translations of book chapters: 1**
- D- International oral presentations: 18**
- E- National oral presentations: 13**
- F- International poster presentations 45**
- G- National poster presentations: 9**
- H- Graduation thesis in residency**
- İ- Honors and awards: 13**
- J- Invited oral presentations: 3**
- K- Lectureship in school of medicine: 26 (since 2018 for medical school class 5 and class 2)**
- L- Citations:**
 - Google scholar: citations: 363; h-index:11**
 - Researchgate: citations: 315; h-index:10**
 - Web of science: Atıf sayısı: 190; h-index: 8**

A. International peer-reviewed publications

- A1.** Özcan E, Kesiktaş N, Alptekin K, **Özcan EE**. The reliability of Turkish translation of Quick Exposure Check (QEC) for risk assessment of work-related musculoskeletal disorders. *Journal of Back and Musculoskeletal Rehabilitation*. 2008, Volum 21, No: 1: pg 51-56
- A2.** Ekşi MŞ, **Özcan-Ekşi EE**, Yılmaz B, Toktaş ZO, Konya D. Cervical myelopathy due to single level disc herniation presenting as intramedullary mass lesion: What to do first? *Journal of Craniovertebral Junction and Spine*. 2015, Apr-Jun;6(24):92-6. doi: 10.4103/0974-8237.156073. PMID: 25972718
- A3.** Yılmaz B, Ekşi MŞ, **Özcan-Ekşi EE**, Toktaş ZO, Akakin A, Kılıç T. Coexistence of Arteriovenous Malformation with Non-Functioning Pituitary Adenoma. *Journal of Neurosciences in Rural Practice*, 2015 Jul-Sep;6(3):458-60. doi: 10.4103/0976-3147.158762. 2015 Eylül-Ekim; Vol 6, Issue 3:458-460, 2014. PMID: 26167050
- A4.** Ekşi MS, Turkoz HK, **Özcan-Ekşi EE**, Akakin A, Orkun Z., Konya D. Locally Aggressive De Novo Spinal Fibromatosis: Case Report and Review of The Literature. *Turkish Neurosurgery Turk Neurosurg*. 2015;25(5):818-23. doi: 10.5137/1019-5149.JTN.11256-14.1. PMID: 26442556
- A5.** Yılmaz B, Işık S, Ekşi MS, **Özcan-Ekşi EE**, Akakin A, Toktas ZO, Konya D. Multiple hemorrhages in brain after spine surgery supra- and infra-tentorial components together. *Journal of Craniovertebral Junction and Spine*. 2015 Oct-Dec;6(4):223-6. doi: 10.4103/0974-8237.167890. PMID: 26692705
- A6.** **Özcan-Ekşi EE**, Yağcı I, Erkal H, Demir-Deviren S. Paraspinal muscle denervation and balance impairment in lumbar spinal stenosis. *Muscle&Nerve*. Vol 53, Issue 3:422-430, March 2016. doi: 10.1002/mus.24759. PMID: 26138076
- A7.** Öğrenci A, Ekşi MS, **Özcan-Ekşi EE**, Koban O. From Idea to Publication: Publication Rates of Theses in Neurosurgery From Turkey. *Neurologica Neurochirurgica Polska. Neurol Neurochir Pol*. 2016;50(1):45-7. doi: 10.1016/j.pjnns.2015.11.007. Epub 2015 Dec 11. PMID: 26851689
- A8.** Koban O, Cal H, Eksi MS, **Özcan-Ekşi EE**, Ogrenci A. Migrating Bullet in the Thecal Sac at the Conus Medullaris Level with No Obvious Deficit: A Case Report and Review of the Literature. *Journal*

of Clinical Neuroscience. J Clin Neurosci. 2016 Jul; 29:185-8. doi: 10.1016/j.jocn.2016.01.008. PMID: 26921138

A9. Babayev R, **Özcan-Ekşi EE**, Kazimov A, Eksi MS. A common pathology in an uncommon location: Posterior migrated epidural disc herniation. Spine J. 2016 Feb 12. Spine J. 2016 Sep;16(9):e583-4. doi: 10.1016/j.spinee.2016.01.216. PMID: 26882853

A10. Işık S, Yılmaz B, Ekşi MS, **Özcan-Ekşi EE**, Akakin A, Toktas ZO, Demir MK, Konya D. Delayed Onset Intracranial Subdural Hematoma Following Spinal Surgery. Journal of Craniofacial Surgery. J Craniofac Surg. 2016 Jun;27(4):e370-3. doi: 10.1097/SCS.0000000000002632. PMID: 27192649

A11. Ekşi MŞ, Toktaş ZO, Yılmaz B, Demir MK, **Özcan-Ekşi EE**, Bayoumi AB, Yener Y, Akakin A, Konya D. Vertebral artery loops in surgical perspective. Eur Spine J. 2016 Dec;25(12):4171-4180. PMID: 27388018

A12. Demir MK, Çolak A, Ekşi MŞ, **Özcan-Ekşi EE**, Akakin A, Yılmaz B. Atretic cephaloceles: a comprehensive analysis of historical cohort. Childs Nerv Syst. 2016 Dec;32(12):2327-2337. PMID: 27461273

A13. Yılmaz B, Ekşi MŞ, Işık S, **Özcan-Ekşi EE**, Toktaş ZO, Konya D. Magnetically Controlled Growing Rod in Early-Onset Scoliosis: A Minimum of 2-Year Follow-Up. Pediatr Neurosurg. 2016;51(6):292-296. PMID: 27497928

A14. Akakin A, Yılmaz B, Ekşi MŞ, **Özcan-Ekşi EE**, Demir MK, Toktaş ZO, Konya D. Recurrent Cranial Chronic Subdural Hematoma due to Cervical Cerebrospinal Fluid Fistula: Repair of Both Entities in the Same Session. J Craniofac Surg. 2016 Sep;27(6):e578-80. doi: 10.1097/SCS.0000000000002882. PMID: 27526247

A15. Sencan S, **Ozcan-Eksi EE**, Cil H, Tay B, Berven S, Burch S, Deviren V, Demir-Deviren S. The effect of transforaminal epidural steroid injections in patients with spondylolisthesis. Journal of Back and Musculoskeletal Rehabilitation. 2016 Mar 27. doi: 10.3233/BMR-160543. [Epub ahead of print] PMID: 28372316

A16. Gunduz OH, **Ozcan-Eksi EE**, Giray E, Yagci I. What Impairs Balance in Ankylosing Spondylitis?

Posture or Disease Activity? Archives of Rheumatology (formerly Turkish Journal of Rheumatology).

Published Online: 21 Mar 2017 doi: 10.5606/ArchRheumatol.2017.6222

A17. Sencan S, **Özcan-Ekşi EE**, Cuce I, Guzel S, Erdem B. Pregnancy-related low back pain in women in Turkey: prevalence and risk factors. Ann Phys Rehabil Med. 2018 Jan;61(1):33-37. doi: 10.1016/j.rehab.2017.09.005. Epub 2017 Oct 16. PMID: 29042300

A18. Ekşi MŞ, **Özcan-Ekşi EE**. Publication rates of the abstracts presented at the annual meeting of International Society for Pediatric Neurosurgery. Childs Nerv Syst. 2018 Jan 19:825-828. doi: 10.1007/s00381-018-3726-9. PMID: 29350261

A19. **Özcan-Ekşi EE**, Giray E, Bahar Ozdemir Y, Yagci I, Gunduz H. A Preliminary Study on the Correlation Between Spinopelvic Parameters and Balance in Ankylosing Spondylitis. Archives of Rheumatology. 2019;34 (x):i-viii doi: 10.5606/ArchRheumatol.2019.6719

A20. **Özcan-Ekşi EE**, Ekşi MŞ, Akçal MA. Severe Lumbar Intervertebral Disc Degeneration Is Associated with Modic Changes and Fatty Infiltration in the Paraspinal Muscles at all Lumbar Levels, Except for L1-L2: A Cross-Sectional Analysis of 50 Symptomatic Women and 50 Age-Matched Symptomatic Men. World Neurosurg. 2019 Feb;122:e1069-e1077. doi: 10.1016/j.wneu.2018.10.229. Epub 2018 Nov 9. PMID: 30415054

A21. Demir-Deviren S, **Özcan-Ekşi EE**, Sencan S, Cil H, Berven S. Comprehensive non-surgical treatment decreased the need for spine surgery in patients with spondylolisthesis: Three-year results. Journal of Back and Musculoskeletal Rehabilitation. 2019;32(5):701-706. doi: 10.3233/BMR-181185. DOI:10.3233/BMR-181185 PMID:30664502

A22. Ekşi MŞ, **Özcan-Ekşi EE**, Arslanhan A, Şirinoğlu H, Erbil S, Güngör A, Algin O, Konya D. Functional Reorganization in the Primary Somatosensory Cortex of Rat Following Hind-Paw Amputation: A Study of Functional Imaging with 1.5 Tesla MRI. Turk Neurosurg. 2020;30(1):17-22. doi: 10.5137/1019-5149.JTN.25595-18.2 PMID: 30734264

A23. Ekşi MŞ, Turgut VU, **Özcan-Ekşi EE**, Gungor A, Tukul Turgut FN, Pamir MN. Serotonin Syndrome Following Tramadol and Gabapentin Use After Spine Surgery. March. 2019 World Neurosurgery DOI: 10.1016/j.wneu.2019.03.092 PMID: 30898741

A24. Turgut VU, Ekşi MŞ, Özak A, **Özcan-Ekşi EE**. Cervical intradural extramedullary epidermoid cyst at the background of congenital scoliosis with a semi-segmented C6 hemivertebra..Childs Nerv Syst. 2019 Aug;35(8):1411-1413. doi: 10.1007/s00381-019-04144-w. Epub 2019 Apr 5. PMID: 30953159

A25. Ekşi MŞ, Kara M, **Özcan-Ekşi EE**, Aydar MH, Güngör A, Özgen S, Pamir MN. Is diabetes mellitus a risk factor for modic changes?: A novel model to understand the association between intervertebral disc degeneration and end-plate changes. J Orthop Sci. 2020 Jul;25(4):571-575.doi: 10.1016/j.jos.2019.09.005. Epub 2019 Sep 26. DOI: 10.1016/j.jos.2019.09.005 PMID: 31564384

A26. Duman F, Kılıç Z, **Özcan-Ekşi EE**. Impact of Cataract Surgery on Functional Balance Skills of AdultsTurk J Ophthalmol. 2019 Oct 24;49(5):243-249. DOI:10.4274/tjo.galenos.2019.70104. PMID:31650790

A27. Ekşi MŞ, **Özcan-Ekşi EE**, Huet SE, Dinç T, Özmen BB, Akçal MA. Prevalence of Thoracic Scoliosis in Adolescents in Turkey: Analysis of 1065 Chest Radiographs. World Neurosurg. 2020 Mar;135:e527-e540. doi: 10.1016/j.wneu.2019.12.057. PMID: 31863897

A28. **Özcan-Ekşi EE**, Canbolat Ç, Ayhan S, Ekşi MŞ. Stronger Together in Lab: Multi-Center and Laboratory Spine Studies are Closer to Publication than Single-Center and Clinical Spine Studies: Snapshot of Annual Meetings of the Spine Society of Europe. Asian Spine J. 2020 Oct;14(5):608-612. doi: 10.31616/asj.2019.0275. Epub 2020 Apr 8. Online ahead of print. PMID: 32252192

A29. **Özcan-Ekşi EE**, Ekşi MŞ, Turgut VU, Canbolat Ç, Pamir MN. Reciprocal Relationship Between Multifidus and Psoas at L4-L5 Level in Women with Low Back Pain. Br J Neurosurg 2020 Jun 24;1-9. DOI: 10.1080/02688697.2020.1783434 PMID: 32576034

A30. Ekşi MŞ, **Özcan-Ekşi EE**, Orhun Ö, Turgut VU, Pamir MN. Proposal for a New Scoring System for Spinal Degeneration: Mo-Fi-Disc. Clinical Neurology and Neurosurgery. 2020 Nov; 198:106120. doi: 10.1016/j.clineuro.2020.106120. Epub 2020 Jul 31. PMID: 32889115

A31. Ekşi MŞ, Özcan-Ekşi EE, Özmen BB, Turgut VU, Huet, SE, DİN. T, Kara M, Özgen S, Özek MM, Pamir NP. Lumbar intervertebral disc degeneration, end-plates and paraspinal muscle changes in children and adolescents with low-back pain. J Pediatr Orthop B. 2020 Nov 27. 31: 93-102. doi: 10.1097/BPB.0000000000000833. Online ahead of print. PMID: **33252539**

A32. Ekşi MŞ, **Özcan-Ekşi EE**, Orhun Ö, Huet SE, Turgut VU, Pamir MN. Association between facet joint orientation/tropism and lumbar intervertebral disc degeneration. Br J Neurosurg. 2020 Dec 26:1-8. doi: 10.1080/02688697.2020.1864289. Online ahead of print. PMID: 33356603

A33. Özcan-Ekşi EE, Yayla A, Orhun Ö, Turgut VU, Arslan HN, Ekşi MŞ. Is the Distribution Pattern of Modic Changes in Vertebral End-plates Associated With the Severity of Intervertebral Disc Degeneration?: A Cross-sectional Analysis of 527 Caucasians. World Neurosurg. 2021 Jun;150:e298-e304. doi: 10.1016/j.wneu.2021.02.128. PMID: 33684588

A34. Ekşi MŞ, **Özcan-Ekşi EE**, Orhun Ö, Akkaş A, Yaşar AH, Zarbizada M, Canbolat Ç, GÜDÜK M, Bozkurt B, Usseli Mİ, Erşen-Danyeli A, Aytar MH, Kalelioğlu M, Özgen S, Pamir MN, Benzel EC: Could Gas-filled Pseudocyst Mimick Extruded Disc Herniation? Journal of Clinical Neuroscience. 2021; 93: 147-154.

A35. Aytar MH, **Ozcan Eksi E**, Eksi MS, Cevizci Akkilic E, Ustalar Ozgen ZS, Ozgen S. Management of Pregnancy- and Lactation-Related Osteoporosis: Case Series. Turk Neurosurg. 2021 Sep 1. doi: 10.5137/1019-5149.JTN.36058-21.1. Online ahead of print. PMID: 34964108

A36. Özcan-Ekşi EE, Kara M, Berikol G, Orhun Ö, Turgut VU, Ekşi MŞ. A new radiological index for the assessment of higher body fat status and lumbar spine degeneration. Skeletal Radiol. 2021 Nov 18. doi: 10.1007/s00256-021-03957-8. Online ahead of print. PMID: 34792625

A37. Özcan-Ekşi EE, Turgut VU, Küçüksüleymanoğlu D, Ekşi MŞ. Obesity could be associated with poor paraspinal muscle quality at upper lumbar levels and degenerated spine at lower lumbar levels: Is this a domino effect?

J Clin Neurosci. 2021 Dec;94:120-127. doi: 10.1016/j.jocn.2021.10.005. Epub 2021 Oct 20.

PMID: 34863425

A38. Ekşi MŞ, Özcan-Ekşi EE, Akkaş A, Orhun Ö, Arslan HN, Zarbizada M, Küçüksüleymanoğlu D, Pamir MN, Benzel EC. Intradiscal vacuum phenomenon and spinal degeneration: a cross-sectional analysis of 219 subjects. Curr Med Res Opin. 2022 Feb;38(2):255-263. doi: 10.1080/03007995.2021.1994379. Epub 2021 Oct 25. PMID: 34663160

A39. Ekşi MŞ, Orhun Ö, Yaşar AH, Dursun AT, Berikol G, Börekçi A, Özcan-Ekşi EE. At what speed does spinal degeneration gear up?: Aging Paradigm in patients with Low Back Pain. Clinical Neurology and Neurosurgery. Volume 215, April 2022, 107187. Doi: 10.1016/j.clineuro.2022.107187

A40. Berikol G, Ekşi MŞ, Aydın L, Börekçi A, Özcan-Ekşi EE. Subcutaneous fat index: a reliable tool for lumbar spine studies Eur Radiol. 2022 Apr 5. doi: 10.1007/s00330-022-08775-7 PMID: 35380225

A41. Ekşi MŞ, Turgut VU, Berikol G, Özmen BB, Huet SE, Dinç T, Küçüksüleymanoğlu D, Orhun Ç, Özcan-Ekşi EE. Schmorl's nodes could be associated with intervertebral disc degeneration at upper lumbar levels and end-plate disease at lower lumbar level in patients with low back pain. Journal of Clinical Neuroscience. 100 (2022) 66-74.

B. National peer-reviewed publications

B1. Özcan-Ekşi EE, Ekşi MŞ. Who Sets Light to the Scientific Path of Spine? Publication Rates of the Abstracts Presented at the North American Spine Society Meetings. The Medical Bulletin of Haseki.

Haseki Bul. March 2019. DOI: 10.4274/haseki.galenos.2018.4586

B2. Ekşi MŞ, Özcan-Ekşi EE. Thoracic Scoliosis Screening in Adolescent Patients with Chest Radiographs. The Medical Bulletin of Haseki. DOI: 10.4274/haseki.galenos.2018.4553

B3. Akçal MA, Göksu E, Bayar I, Özcan-Ekşi EE. The effect of general anesthesia and combined general and regional anesthesia on postoperative pain in arthroscopic rotator cuff surgery: a randomized controlled prospective study. DEU Tıp Derg 2021;35(1): 71 – 77. doi: 10.5505/deutfd.2021.34735.

https://jag.journalagent.com/deutip/pdfs/DEUTFD_35_1_71_77.pdf

C. International and national book chapters

C1. Özcan E, Alptekin HA, Uysal B, Teksöz B, İşsever H, **Özcan-Ekşi EE**. The Prevalance of Musculoskeletal Diseases and the Physical Risk Factors in Metal Workers Scientific Researches in Health Sciences, (2019). Editors: Fatma Eti Aslan, Vol: 1, pages: 8, ISBN:978-3-631-79216-2, Peter Lang GmbH

C2. **Özcan-Ekşi EE**, Ofloğlu D. Vertigoya Olgular Eşiliğinde Multidisipliner Bakış, BÖLÜM 42. Vertigoda Egzersiz Reçeteleme) (2019). Editors: İbrahim Ural, Hasan Kerem Alptekin, Basım sayısı:1, Sayfa Sayısı 275, ISBN:978-605-7607-40-9, Türkçe (Bilimsel Kitap), İstanbul Tıp Kitabevleri

C3. **Özcan-Ekşi EE**, Demir-Deviren S. Chapter 5. Lumbar Spondylolisthesis: Symptoms, Diagnosis and Conservative Treatment. Advances in Health and Disease Volume 17 (2019). Editor: Lowell T. Duncan. S: 139-158, ISBN: 978-1-536161-689-7, Nova Publications

Ci. Translations of book chapters:

Ci1. Akyüz, G, **Özcan EE** (2014). [Üst Ekstremitte Ortezleri]. [DeLisa's Physical Medicine and Rehabilitation: Principles and Practice-Turkish Translated Edition]. T. Arasil and N. Eskiurt. Ankara, Güneş Tıp Kitabevleri. **II:** 2051-2062

D. International oral presentations

D1. Özcan-Ekşi EE, Demir-Deviren S. Do Paraspinal Muscles Affect The Clinical Outcomes in Patients with Lumbar Spinal Stenosis? The 59th Annual LeRoy C. Abbott Society Scientific Program and 35th Annual Verne T. Inman Lectureship, May 8-9 2014, San Francisco, CA, USA

D2. Özcan-Ekşi EE, Yağcı I, Erkal H, Demir-Deviren S. No:40. The Effect of Paraspinal Muscle Denervation on Balance of Patients with Lumbar Spinal Canal Stenosis The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico. PM&R, Volume 6, Issue 8, Supplement 2, S90-91, August 2014, doi.org/10.1016/j.pmrj.2014.08.327

D3. Demir-Deviren S, Özcan-Ekşi EE, Burch S, Berven S. No:41. Patients with Degenerative Spondylolisthesis Who Chose To Have Surgery Had Significant Instability and More Fatty Infiltration In Erector Spinae. The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico. PM&R, Volume 6, Issue 8, Supplement 2, S91, August 2014, doi.org/10.1016/j.pmrj.2014.08.328

D4. Gündüz OH, Özcan-Ekşi EE, Giray E, Yağcı I. No:42. What Impairs Balance In Ankylosing Spondylitis? Posture or Disease Activity? The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico. PM&R, Volume 6, Issue 8, Supplement 2, S91, August 2014, doi.org/10.1016/j.pmrj.2014.08.329

D5. Özcan-Ekşi EE, Yağcı I, Feeley B, Demir-Deviren S. No:43. The Comparison of Paraspinal Muscles In Subjects with Symptomatic and Asymptomatic Lumbar Spinal Canal Stenosis. The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico. PM&R, Volume 6, Issue 8, Supplement 2, S91, August 2014, Page S91
doi.org/10.1016/j.pmrj.2014.08.330

D6. Özcan-Ekşi EE, Berven S, Lotz J, Demir-Deviren S. No:45. The Effect of Paraspinal Muscles on the Improvement of Patients with Degenerative Spondylolisthesis After Surgery. The 8th International

Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico.

PM&R, Volume 6, Issue 8, Supplement 2, S92, August 2014, doi.org/10.1016/j.pmrj.2014.08.332

D7. Özcan-Ekşi EE, Yağcı I, Erkal H, Demir-Deviren S. The Effect of Paraspinal Muscle Denervation on Balance of Patients with Lumbar Spinal Canal Stenosis. This study has been presented at **Best Pain and Spine Research Podium Presentations at the 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R)**, November 16, 2014, San Diego, CA, ABD

D8. Demir-Deviren S, Özcan-Ekşi EE, Pekmezci M, Kapucu I, Eksi M, Tay B, Berven S. Burch S, Deviren V. Paraspinal Muscles and Sagittal Spinopelvic Alignment in Patients with Degenerative Spondylolisthesis. The 11th International Turkish Spine Congress, April 29-May 3, 2015, İzmir, Turkey

D9. Demir-Deviren S, Özcan-Ekşi EE, Pekmezci M, Kapucu I, Eksi M, Tay B, Berven S. Burch S, Deviren V. Paraspinal Muscles and Sagittal Spinopelvic Alignment in Patients with Degenerative Spondylolisthesis. The 60th Annual LeRoy C. Abbott Society Scientific Program and 36th Verne T. Inman Lectureship, May 14-15, 2015, San Francisco, CA, USA

D10. Özcan-Ekşi EE, Bal J, Carballido-Gamio J, Krug R, Berven S, Tay B, Lotz J, Demir-Deviren S. Negative Impact of Modic I Degenerative Disc Disease on Lumbar Paraspinal Muscles. This study has been presented at **Best Pain and Spine Research Podium Presentations at the 77th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R)**, October 1-4, 2015, Boston, MA, USA

D11. Sencan S, Özcan-Ekşi EE, Tay B, Berven S, Burch S, Deviren V, Demir-Deviren S. 85.The effect of transforaminal epidural steroid injections in patients with spondylolisthesis. North American Spine Society (NASS), the 30th Annual Meeting, October 14-17, 2015, Chicago, IL, USA

D12. Demir-Deviren S, Sencan S, Özcan-Ekşi EE, Berven S, Deviren V, Burch S, Tay B. 115.Comprehensive non-surgical treatments decrease the need for spine surgery in patients with spondylolisthesis. North American Spine Society (NASS), the 30th Annual Meeting, October 14-17, 2015, Chicago, IL, USA

D13. Ekşi MŞ, **Özcan-Ekşi EE.** S67. Who Sets Light to the Scientific Path of Spine?: Publication Rates of the Abstracts Presented at the Spine Society of Europe and the North American Spine Society Meetings. The 12th International Turkish Spine Congress, April 19-22, 2017, Antalya, Turkey

D14. **Özcan-Ekşi EE,** Kılıç Z, Ekşi MŞ. S70. Postmenapozal osteoporozda omurga nasıl değerlendirilmeli? kemik tarama mı direkt grafi mi? How to evaluate the spine in postmenopausal women? X-ray or DEXA? The 12th International Turkish Spine Congress, April 19-22, 2017, Antalya, Turkey

D15. Ekşi MŞ, Toktaş ZO, Yılmaz B, Demir MK, **Özcan-Ekşi EE,** Akakin A, Konya D. S49. Vertebral artery loops in surgical perspective. The 12th International Turkish Spine Congress, April 19-22, 2017, Antalya, Turkey

D16. **Özcan-Ekşi EE,** Ekşi MŞ, Yılmaz B. Toktaş ZO. Konya D. S48. What differs between L4-5 and L5-S1 disc herniation? The 12th International Turkish Spine Congress, April 19-22, 2017, Antalya, Turkey

D17. **Özcan-Ekşi EE,** Ekşi MŞ, Yılmaz B, Toktaş ZO, Turgut VU, Demir MK, Demirez İ, Konya D. S47. What differs between lower and upper lumbar disc herniation? The 12th International Turkish Spine Congress, April 19-22, 2017, Antalya, Turkey

D18. **Özcan-Ekşi EE,** Ekşi MŞ, Akçal MA. Prevalence of Thoracic Scoliosis in Adolescents: Analysis of 1065 Chest Radiographs with A Comprehensive review of Adolescent Scoliosis Prevalence in the World. The 13th International Turkish Spine Congress, April 3-6, 2019, İzmir, Turkey

E. National oral presentations

E1. Özcan E, **Özcan EE.** Prevention of occupational low back pain and industrial rehabilitation. The 11th National Ergonomics Congress, December 26-28, 2005, Istanbul, Turkey

E2. Karadağ Saygı E, **Özcan EE,** Sanal C, Peynirci H, Agirman M, Akyuz G. The effects of prolotherapy with 10% dextrose and oral glucosamine sulfate on postural stability among patients with knee osteoarthritis. The 24th National Congress of Physical Medicine and Rehabilitation, March 27-31, 2013, Antalya, Turkey

E3. **Özcan-Ekşi EE,** Bahar Y, Giray E, Yağcı I, Gunduz OH. Sagittal Spino-pelvic Alignment and Balance in Ankylosing Spondylitis. The 25th National Congress of Physical Medicine and Rehabilitation, April 22-26, 2015, Antalya, Turkey

E4. Sencan S, **Özcan-Ekşi EE,** Cuce I, Guzel S, Erdem B. Pregnancy-Related Low Back Pain: Prevalence and Risk Factors. The 25th National Congress of Physical Medicine and Rehabilitation, April 25-29, 2017, Antalya, Turkey

E5. Ekşi MŞ, **Özcan-Ekşi EE,** Akçal MA, Güngör A, Güdük M, Özgen S, Pamir N. Severe Lumbar Intervertebral Disc Degeneration Is Associated with Modic Changes and Fatty Infiltration in the Paraspinal Muscles at all Lumbar Levels, Except for L1-L2. The 33th Scientific Congress of Turkish Neurosurgical Society, 29(2), 160-160, April 11-14, 2019, Antalya, Turkey

E6. Ekşi MŞ, **Özcan-Ekşi EE,** Akçal MA, Güdük M, Güngör A, Özgen S, Pamir N. Proximal junctional disc degeneration at the upmost segment of paraspinal muscle fatty infiltration: A new perspective for the aetiology of intervertebral disc degeneration. . The 33th Scientific Congress of Turkish Neurosurgical Society, 29(2), 168-168, April 11-14, 2019, Antalya, Turkey **E7.** Ofluoğlu D, ÖztopÇiftkaya P, **Özcan-Ekşi EE.** SB3. Bening Joint Hypermobility Syndrome and Ulner Nerve Entrapment Neuropathy. The 15th Nervous System Surgery Society Congress, November 21-24, 2019, Edirne, Turkey

E8. **Özcan-Ekşi EE.** Rehabilitation in spinal trauma. The 15th Nervous System Surgery Society Congress, November 21-24, 2019, Edirne, Turkey

E9. Orhun Ö, Yaşar AH, Berikol G, Dursun AT, Yayla A, Turgut VU, Pamir MN, **Özcan-Ekşi EE**, Ekşi MŞ .

Yaşlanan omurganın zaman dilimleri (Time zones of the aging spine). The 34th Scientific Congress of Turkish Neurosurgical Society, 2021 (online)

E10. Berikol G, **Özcan-Ekşi EE**, Kara M, Ekşi MŞ. Erektör spinadaki yağ infiltrasyonu ve intervertebral disk dejenerasyonu bel ağrısı olan hastaları belirleyebilir (Fatty infiltration in the erector spinae ad intervertebral disc degeneration could predict patients with low back pain). The 34th Scientific Congress of Turkish Neurosurgical Society, 2021 (online)

E11. Ekşi MŞ, Küçüksüleymanoğlu D, Zarbizada M, Akkaş A, **Özcan-Ekşi EE**, Benzel EC.

Intradiskal vakum fenomeni ve spinal dejenerasyon: 219 hastanın kesitsel analizi (Intradiscal vacuum phenomenon and spinal degeneration: A cross-sectional analysis of 219 patients). The 34th Scientific Congress of Turkish Neurosurgical Society, 2021 (online)

E12. Ekşi MŞ, Berikol G, Orhun Ö, Zarbizada M, Yaşar AH, **Özcan-Ekşi EE**. Mo-fi-disc: Bel ağrısı olan hastaları asemptomatik bireylerden radyolojik olarak ayırt edebilmede kullanışlı bir araç (Mo-fi-disc: A practical tool for distinguishing patients with low back pain from asymptomatic subjects). The 34th Scientific Congress of Turkish Neurosurgical Society, 2021 (online)

E13. Ekşi MŞ, Berikol G, Yayla A, Orhun Ö, Kara M, Turgut VU, **Özcan-Ekşi EE**. Son-plak defektleri kemik iliği enflamasyonunu başlatıp Modic değişikliklere sebep olabilir mi? (Could end-plate defects trigger bone marrow edema and cause Modic changes?). The 34th Scientific Congress of Turkish Neurosurgical Society, 2021 (online)

F. International poster presentations

F1. Özcan E, Alptekin K, Taşkınsoy H, İssever H, Özcan I, Uysal B, Esmaeilzadeh S, Kesiktaş N, **Özcan EE**.

Physical risk factors for musculoskeletal complaints among cleaners. International Applied Human Factors and Ergonomics Congress, July 14-17, 2008, Las Vegas, NE, USA

F2. Karadağ-Saygı E, Özkök O, **Özcan EE**, Tetik C. Medial calcaneal nerve entrapment. The 8th Mediterranean Congress of Physical Rehabilitation and Medicine, October 2, 2010, Limassole, Cyprus

F3. Ulu MA, Karadağ-Saygı E, **Özcan EE**, Akyuz G. Low-level laser therapy for the treatment of postmastectomy lymphedema. The 9th Mediterranean Congress of Physical Rehabilitation and Medicine, October 21-25, 2012, Sorrento, Italy

F4. Gündüz OH, **Özcan EE**, Giray E, Yağcı I. What impairs balance in Ankylosing Spondylitis? Posture or Disease Activity? American College of Rheumatology Annual Meeting, October 25-30, 2013, San Diego, CA, USA

F5. Demir-Deviren S, **Özcan-Ekşi EE**, Burch S, Berven S. Patients With Degenerative Spondylolisthesis Who Chose to Have Surgery Had Significant Instability and More Fatty Infiltration in Erector Spinae. The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico

F6. Demir-Deviren S, **Özcan-Ekşi EE**, Berven S, Lotz J. The Effect of Modic 1 Changes on the Clinical Outcomes of Patients with Disc Herniation. The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico

F7. **Özcan-Ekşi EE**, Giray E, Gunduz OH, Bahar Y, Yagci I. The Effect of Spinal Curvatures on Balance in Ankylosing Spondylitis. The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico

F8. **Özcan-Ekşi EE**, Yağcı I, Feeley B, Lotz J, Demir-Deviren S. The Effect of Paraspinal Muscles on the Clinical Outcomes in Subjects with Lumbar Spinal Canal Stenosis. The 8th International Society of Physical Medicine and Rehabilitation (ISPRM) Congress, June 1-5, 2014, Cancun, Mexico

F9. Gunduz OH, **Özcan-Ekşi EE**, Giray E, Yagci I. What Impairs Balance In Ankylosing Spondylitis? Posture or Disease? The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F10. **Özcan-Ekşi EE**, Yağcı I, Erkal H, Demir-Deviren S. The Effect of Paraspinal Muscle Denervation on Balance of Patients with Lumbar Spinal Canal Stenosis. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F11. **Özcan-Ekşi EE**, Berven S, Demir-Deviren S. The Effect of Paraspinal Muscles on the Improvement of Patients with Degenerative Spondylolisthesis After Surgery. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F12. Demir-Deviren S, **Özcan-Ekşi EE**, Berven S, The Effect of Modic 1 Changes on the Paraspinal Muscles in Subjects with Disc Herniation. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F13. Demir-Deviren S, **Özcan-Ekşi EE**, Berven S, The Effect of Modic 1 Changes on the Clinical Outcomes of Patients with Disc Herniation. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F14. **Özcan-Ekşi EE**, Giray E, Gunduz OH, Bahar Y, Yagci I. The Effect of Spinal Curvatures on Balance in Ankylosing Spondylitis. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F15. **Özcan-Ekşi EE**, Yagci I, Feeley B, Dang A, Demir-Deviren S. The Effect of Paraspinal Muscles in the Clinical Outcomes in Subjects with Lumbar Spinal Stenosis. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F16. **Özcan-Ekşi EE**, Feeley B, Dang A, Y Sarigul-Klijn, Demir-Deviren S. The Inter-Variability of Four Different Paraspinal Muscles' Measurement Techniques on Lumbar Spine MRI in Patients with Spinal

Disorders. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F17. Demir-Deviren S, **Özcan-Ekşi EE**, Burch S, Berven S. Patients with Degenerative Spondylolisthesis Who Chose To Have Surgery Had Significant Instability and More Fatty Infiltration In Erector Spinae. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F18. Özcan-Ekşi EE, Yagci I, Feeley B, Dang A, Demir-Deviren S. The Comparison of Paraspinal Muscles in Subjects with Symptomatic and Asymptomatic Lumbar Spinal Canal Stenosis. The 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 14-16, 2014, San Diego, CA, ABD

F19. Demir-Deviren S, **Özcan-Ekşi EE**, Pekmezci M, Kapucu I, Eksi M, Tay B, Berven S. Burch S, Deviren V. Paraspinal Muscles and Sagittal Spinopelvic Alignment in Patients with Degenerative Spondylolisthesis. **Special Poster Presentation**, International Society of the Study of the Lumbar Spine (ISSLS), the 42nd Annual Meeting, June 7-10, 2015, San Francisco, CA, USA

F20. Demir-Deviren S, **Özcan-Ekşi EE**, Carballido-Gamio J, Krug R, Pekmezci M, Eksi, M, Berven B, Deviren B. Paraspinal muscles and sagittal spinopelvic alignment in patients with degenerative spondylolisthesis. The 77th Annual Meeting of the American Academy of Physical Medicine and Rehabilitation (AAPM&R), October 1-4, 2015, Boston, MA, USA

F21. Özcan-Ekşi EE, Sencan S, Pascual L, Berven L, Deviren V, Burch S, Tay B, Demir-Deviren S. The Effect of Comprehensive Non-surgical Treatments in Patients with Spondylolytic Spondylolisthesis. The 77th Annual Meeting of the American Academy of Physical Medicine and Rehabilitation (AAPM&R), October 1-4, 2015, Boston, MA, USA

F22. Demir-Deviren S, **Özcan EE**, Carballido-Gamio J, Krug R, Pekmezci M, Eksi M, Tay B, Berven S. Deviren V. Paraspinal muscles and sagittal spino-pelvic alignment in patients with degenerative spondylolisthesis. North American Spine Society (NASS), the 30th Annual Meeting, October 14-17, 2015, Chicago, IL, USA

F23. Demir-Deviren S, Cil H, **Ozcan-Eksi, EE**, Tay B, Burch S, Berven S. Comprehensive Non-surgical Treatments Decrease The Need For Spine Surgery In Patients With Degenerative Spondylolisthesis. SpineWeek 2016, May 16-20, 2016, Singapore

F24. Eksi MS, Toktas ZO, Yilmaz B, Demir MK, **Ozcan-Eksi EE**, Bayoumi AB, Akakin A, Konya D. Vertebral Artery Loops in Surgical Perspective. International Society of the Study of the Lumbar Spine (ISSLS), the 44th Annual Meeting, May 2-June 2, 2017, Athens, Greece

F25. **Ozcan-Eksi EE**, Eksi MS. Publication rates of the abstracts presented at scientific spine meetings: A retrospective analysis of four consecutive meetings between 2009 and 2012. International Society of the Study of the Lumbar Spine (ISSLS), the 44th Annual Meeting, May 2-June 2, 2017, Athens, Greece

F26. Eksi MS, **Ozcan-Eksi EE**. Who contributed the most to the spine surgery literature?: Publication rates of the abstracts presented at the annual meetings of the North American Spine Society between 2009 and 2012. International Society of the Study of the Lumbar Spine (ISSLS), the 44th Annual Meeting, May 2-June 2, 2017, Athens, Greece

F27. Eksi MS, **Ozcan-Eksi EE**, Yilmaz B, Toktas ZO, Turgut VU, Demir MK, Demirez I, Konya D. What Differs Between Lower and Upper Lumbar Disc Herniation? XVI. World Congress of Neurosurgery, August 20-25 2017, Istanbul, Turkey

F28. Eksi MS, Toktas ZO, Yilmaz B, Demir MK, **Ozcan-Eksi EE**, Akakin A, Konya D. Vertebral Artery Loops in Surgical Perspective. XVI. World Congress of Neurosurgery, August 20-25 2017, Istanbul, Turkey

F29. Eksi MS, **Ozcan-Eksi EE**. Who Sets Light to the Scientific Path of Spine?: Publication Rates of the Abstracts Presented at the Spine Society of Europe and the North American Spine Society Meetings. XVI. World Congress of Neurosurgery, August 20-25 2017, Istanbul, Turkey

F30. Eksi MS, **Ozcan-Eksi EE**, Yilmaz B, Toktas ZO, Turgut VU, Demir MK, Demirez I, Konya D. What Differs Between L4-5 and L5-S1 Disc Herniation? XVI. World Congress of Neurosurgery, August 20-25 2017, Istanbul, Turkey

F31. Özcan-Ekşi EE, Ekşi MŞ, Akçal MA. P.0096. Severe Lumbar Intervertebral Disc Degeneration Is Associated with Modic Changes and Fatty Infiltration in the Paraspinal Muscles at all Lumbar Levels, Except for L1-L2. The 13th International Turkish Spine Congress, April 3-6, 2019, Izmir, Turkey

F32. Özcan-Ekşi EE, Ekşi MŞ, Akçal MA, Ozgen S, Pamir N. P.0083 Proximal junctional disc degeneration at the upmost segment of paraspinal muscle fatty infiltration in symptomatic girls with low back pain: A new perspective for the aetiology of low back pain. The 13th International Turkish Spine Congress, April 3-6, 2019, Izmir, Turkey

F33. Ofluoğlu D, Ofluoğlu Ö, Özcan-Ekşi EE, PP.127 Cervical Syringomyelia Presenting with Scapular Winging: A case report. The 13th International Turkish Spine Congress, April 3-6, 2019, Izmir, Turkey

F34. Özcan-Ekşi EE, Ekşi MŞ, Akçal MA. P1909. Early Bird Catches The Worm: Do paraspinal muscle fatty infiltration and intervertebral disc degeneration start earlier than expected? International Society of the Study of the Lumbar Spine (ISSLS), the 46th Annual Meeting, June 3-7, 2017, Kyoto, Japan

F35. Özcan-Ekşi EE, Ekşi MŞ, Akçal MA. P1906. Severe Lumbar Intervertebral Disc Degeneration Is Associated with Modic Changes and Fatty Infiltration in the Paraspinal Muscles at all Lumbar Levels, Except for L1-L2: A Cross-Sectional Analysis of 50 Symptomatic Females and 50 Age-Matched Symptomatic Males. International Society of the Study of the Lumbar Spine (ISSLS), the 46th Annual Meeting, June 3-7, 2017, Kyoto, Japan

F36. Ekşi MŞ, Özcan-Ekşi EE, Akçal MA. Prevalence of Thoracic Scoliosis in Adolescents: Analysis of 1065 Chest Eadiographs. A Comprehensive Review of Adolescent Scoliosis Prevance in the World. International Society of the Study of the Lumbar Spine (ISSLS), the 46th Annual Meeting, June 3-7, 2017, Kyoto, Japan

F37. Ozcan-Eksi E, Eksi M, Orhun O, Turgut V, Pamir M. Proposal for a new scoring system for spinal degeneration: Mo-Fi-Disc. id# 2594. *This study was orally presented as special poster at* International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

F38. Ozcan-Eksi E, Eksi M, Orhun O, Turgut V, Guduk M, Kara M, Canbolat C, Pamir M.

Obesity is associated with poor paraspinal muscle quality at upper lumbar levels and degenerated spine at lower lumbar levels: Is this a domino effect? id# 2596. ***This study was orally presented as special poster at*** International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

F39. Ozcan-Eksi E, Eksi M, Turgut V, Canbolat C, Pamir M. Reciprocal relationship between multifidus and psoas at L4-L5 level in women with low back pain. id# 2624. International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

F40. Ozcan-Eksi E, Eksi M, Yayla A, Orhun O, Turgut V, Kara M, Guduk M, Usseli I, Bozkurt B. L3-L4 Level in Limbo: Does it belong to the Upper or the Lower Lumbar Spine? id# 2589. International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

F41. Ozcan-Eksi E, Eksi M, Orhun O, Huet S, Turgut V, Pamir M. Intervertebral Disc Degeneration at Lower Lumbar Levels is Associated with More Coronally Aligned L1-L2 and Misaligned L5-S1 Facet Joints. id# 2587. International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

F42. Ozcan-Eksi E, Eksi M, Yayla A, Orhun O, Turgut V, Guduk M, Arslan H, Usseli I, Kara M. End-plate defects could start the inflammatory process in the bone marrow and cause Modic changes. id# 2590. International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

F43. Ozcan-Eksi E, Eksi M, Orhun O, Turgut V, Guduk M, Kara M. Mole Holes in the Spine: Schmorl's Nodes Could be Associated with Intervertebral Disc Degeneration at Upper Lumbar Levels and End-plate Disease at Lower Lumbar Level. id# 2595 International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

F44. Ozcan-Eksi E, Eksi M, Yayla A, Orhun O, Turgut V, Arslan A, Guduk M, Usseli I, Aytar M, Bozkurt B, Ozgen S, Pamir M. Is the distribution pattern of Modic changes in vertebral end-plates associated with the severity of intervertebral disc degeneration?: A cross-sectional analysis of 527 Caucasians.

id# 2586. International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

F45. Ozcan-Eksi E, Eksi M, Zarbizade M, Orhun O, Kucuksuleymanoglu D, Dinc T, Huet S, Ozmen B. Is Intradiscal Vacuum Phenomenon Associated with Intervertebral Disc Degeneration and Modic Changes? id# 2588. International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021

G. National posters

G1. Özcan E, Özcan EE. Prevention of occupational low back pain and industrial rehabilitation. The 11th National Ergonomics Congress, December 26-28, 2005, Istanbul, Turkey

G2. Özcan-Ekşi EE, Sencan S, Berven S, Deviren V, Burch S, Tay B, Demir- Deviren S. The Effect of Comprehensive Non-Surgical Treatments in Patients with Spondylolytic Spondylolisthesis. The 25th National Congress of Physical Medicine and Rehabilitation, April 22-26, 2015, Antalya, Turkey

G3. Sencan S, Özcan-Ekşi EE, Berven S, Deviren V, Burch S, Tay B, Demir-Deviren S. Comprehensive Non-Surgical Treatments Decrease the Need For Spine Surgery In Patients With Degenerative Spondylolisthesis. The 25th National Congress of Physical Medicine and Rehabilitation, April 22-26, 2015, Antalya, Turkey

G4. Özcan-Ekşi EE, Sencan S, Tay B, Berven S, Burch S, Deviren V, Demir-Deviren S. The Effect of Transforaminal Epidural Steroid Injections in Patients with Spondylolytic Spondylolisthesis. The 25th National Congress of Physical Medicine and Rehabilitation, April 22-26, 2015, Antalya, Turkey

G5. Sencan S, Özcan-Ekşi EE, Tay B, Berven S, Burch S, Deviren V, Demir-Deviren S. The Effect of Transforaminal Epidural Steroid Injections in Patients with Degenerative Spondylolisthesis. The 25th National Congress of Physical Medicine and Rehabilitation, April 22-26, 2015, Antalya, Turkey

G6. Sencan S, Özcan-Ekşi EE, Demir-Deviren S. An Uncommon Etiology of Sciatica: Conjoined Lumbasacral Nerve Roots. The 25th National Congress of Physical Medicine and Rehabilitation, April 22-26, 2015, Antalya, Turkey

G7. Özcan-Ekşi EE, Ekşi MŞ, Yılmaz B. Toktaş ZO, Konya D. L4-5 ve L5-S1 Disk Hernisi Arasındaki Fark Nedir? The 26th National Congress of Physical Medicine and Rehabilitation, April 25-29, 2017, Antalya, Turkey

G8. Özcan-Ekşi EE, Kılıç Z, Ekşi MŞ. Postmenopozal Osteoporozda Omurga Nasıl Değerlendirilmeli? Kemik Tarama mı Direkt Grafi mi? (How to evaluate the spine in postmenopausal women? X-ray or DEXA?) The 26th National Congress of Physical Medicine and Rehabilitation, April 25-29, 2017, Antalya, Turkey

G9. Kılıc Z, Satır O, Durukan YM, **Özcan-Ekşi EE.** Evde Fizik Tedavi ve Rehabilitasyon Hizmeti Alan Hastalarımızın Özellikleri ve Memnuniyet Düzeyleri (Demographic aspects and satisfaction levels in patients who received physiotherapist-guided home-based rehabilitation) The 26th National Congress of Physical Medicine and Rehabilitation, April 25-29, 2017, Antalya, Turkey

H. Graduation thesis from residency

'Lomber spinal stenozda denge bozukluđu ve paraspinal kas denervasyonunun denge bozukluđuna etkileri, 2013 (Tez Danışmanı: Prof Dr. İlker Yağcı)

Bu tez Asistan Dr Cengiz Çetin Tez Yarışmasında '**En İyi Uzmanlık Tezi**' ödölüne layık görölmüştür (14 Mart 2014)'

Balance impairment and the effects of paraspinal denervation on balance in patients with lumbar spinal stenosis, 2013, Thesis consultant: Prof Dr İlker Yağcı (**This thesis has been awarded for 'the Best Graduation Thesis' at Resident Dr Cengiz Çetin, MD, Graduation Thesis Contest, March 14, 2014, Istanbul, Turkey**)

I. Honors and Awards

11. Award for ‘the Best Graduation Thesis (first place)’ at Resident Dr Cengiz Çetin, MD, Graduation Thesis Contest, March 14, 2014, Istanbul, Turkey: Balance impairment and the effects of paraspinal denervation on balance in patients with lumbar spinal stenosis, 2013, Thesis consultant: Prof Dr Ilker Yağcı

12. Best Pain and Spine Research Podium Presentations at the 76th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), November 16, 2014, San Diego, CA, USA: Yağcı I, Erkal H, Demir-Deviren S. Balance Disorders in Patients with Lumbar Spinal Stenosis and Effects of Paraspinal Muscle Denervation on Balance

13. Award for the third place at the 25th National Physical Medicine and Rehabilitation Congress Best Post Presentations Contest, April 22-26,2015, Antalya, Turkey: Özcan-Ekşi EE, Şencan S, Tay B, Berven S, Burch S, Deviren V, Demir-Deviren S. The Effect of Transforaminal Epidural Steroid Injections In Patients With Spondylolytic Spondylolisthesis

14. Special Poster Presentation, International Society of the Study of the Lumbar Spine (ISSLS), the 42nd Annual Meeting, June 7-10, 2015, San Francisco, CA, USA: Demir-Deviren S, Özcan-Ekşi EE, Pekmezci M, Kapucu I, Eksi M, Tay B, Berven S. Burch S, Deviren V. Paraspinal Muscles and Sagittal Spinopelvic Alignment in Patients with Degenerative Spondylolisthesis

15. Best Pain and Spine Research Podium Presentations at the 77th Annual Meeting of American Academy of Physical Medicine and Rehabilitation (AAPM&R), October 1-4, 2015, Boston, MA, USA: Özcan-Ekşi EE, Bal J, Carballido-Gamio J, Krug R, Berven S, Tay B, Lotz J, Demir-Deviren S. Negative Impact of Modic I Degenerative Disc Disease on Lumbar Paraspinal Muscles

16. Section on Minimally Invasive Procedures: Abstract Presentations; Best Papers, North American Spine Society, the 30th Annual Meeting, October 14-18, 2015, Chicago, IL, USA: Sencan S, Özcan-Ekşi EE, Tay B, Berven S, Burch S, Deviren V, Demir-Deviren S. The effect of transforaminal epidural steroid injections in patients with spondylolisthesis

17. Award for the second place at the 46th Prof Dr Osman Cevdet Çubukçu Research Contest, November 27, 2015: Yağcı I, Erkal H, Demir-Deviren S. Paraspinal Muscle Denervation and Balance Impairment In Lumbar Spinal Stenosis

18. Special Poster Presentation, International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021: Ozcan-Eksi E, Eksi M, Orhun O, Turgut V, Pamir M. Proposal for a new scoring system for spinal degeneration: Mo-Fi-Disc. id# 2594.

19. Special Poster Presentation, International Society of the Study of the Lumbar Spine (ISSLS), Virtual Meeting, zoom Meeting via UCSF, May 31-June 4, 2021: Ozcan-Eksi E, Eksi M, Orhun O, Turgut V, Guduk M, Kara M, Canbolat C, Pamir M. Obesity is associated with poor paraspinal muscle quality at upper lumbar levels and degenerated spine at lower lumbar levels: Is this a domino effect? id# 2596.

110. Expertscape depicted that the expertise of Emel Ece Özcan-Ekşi in spine ranks in **the top 1.3%** among 167,862 published authors worldwide in **‘Expertise in Spine’** from 2012 through 2022.

‘Expertise in Spine: @ Turkey’ depicted that the expertise of Emel Ece Özcan-Ekşi ranks in the 11th place throughout the authors and the 1st place throughout the physiatrists in Turkey (<https://expertscape.com/au/spine/Ozcan-Eksi%2C+Emel+E>)

111. Expertscape depicted that the expertise of Emel Ece Özcan-Ekşi in paraspinal muscles ranks in **the top 0.68%** among 7,109 published authors worldwide in **‘Expertise in Paraspinal Muscles’** from 2012 through 2022. **‘Expertise in Paraspinal Muscles: @ Turkey’** depicted that the expertise of Emel Ece Özcan-Ekşi ranks in the 2nd place throughout the authors and the 1st place throughout the physiatrists in Turkey (<https://expertscape.com/ex/paraspinal+muscles/c/tr>)

112. Expertscape depicted that the expertise of Emel Ece Özcan-Ekşi in lumbar vertebra ranks in **the top 2.3%** among 67,606 published authors worldwide in **‘Expertise in Lumbar Vertebra’** from 2012 through 2022. **‘Expertise in Lumbar Vertebra: @ Turkey’** depicted that the expertise of Emel Ece Özcan-Ekşi ranks in the 3rd place throughout the authors and the 1st place throughout the physiatrists. (<https://expertscape.com/ex/lumbar+vertebrae/c/tr>)

I13. Expertscape depicted that the expertise of Emel Ece Özcan-Ekşi in disc degeneration ranks in **the top 2.6%** among 21,446 published authors worldwide in **‘Expertise in Disc Degeneration’** from 2012 through 2022. **‘Expertise in Disc Degeneration: @ Turkey’** depicted that the expertise of Emel Ece Özcan-Ekşi ranks in the 2nd place throughout the authors and the 1st place throughout the physiatrists.

(<https://expertscape.com/ex/disc+degeneration/c/tr>)

J. Invited oral presentations

J1. Rehabilitation Following Spine Surgerry. Department of Neurosurgery, Istanbul Medeniyet University, Nov 15 2019, Istanbul, Turkey

J2. Rehabilitation Following Spine Trauma. The 15th Nervous System Society Congress, Nov 21-24, 2019, Edirne, Türkiye

J3. Radiologic and Electrophysiologic Evalaution of Paraspinal Muscles', Department of Neurosurgery, Bakırköy Prof Dr Mazhar Osman Ruh ve Sinir Hastalıkları Research and Trainin Hospital, Istanbul, Turkey, Mar 22, Istanbul, Turkey

J4. Is Scoliosis A Disease? Who could habe Scoliosis? Why? 'Skolyoz bir hastalık mıdır? Kimlerde neden skolyoz olur?. Scoliosis Awareness Symposium by Scoliosis Research and Treatment Society, June 18, 2022, Istanbul, Turkey

K. Lectureship at Bahçeşehir University School of Medicine (2018-2022)

Class 5 (2018-2019 ve 2019-2020)

K1. Diagnostic medicine in Physical Medicine and Rehabilitation- Part 1: Radiology

K2. Diagnostic medicine in Physical Medicine and Rehabilitation- Part 2: Electromyography

K3. Monoarthritis

K4. Polyarthritis

K5. Rheumatoid arthritis

K6. Spondyloarthropathies

K7. Differential diagnosis and treatment of cervical spine pain and upper extremity pain

K8. Differential diagnosis and treatment of low back pain and lower extremity pain

K9. Common entrapment neuropathies: Upper and Lower Extremity

Class 2

K10. Low back pain

K11. Spondyloarthropathies

K12. Rheumatoid arthritis

Class 5 (2020-2021 and 2021-2022)

K13. Introduction to Physical Medicine and Rehabilitation

K14. Physical Examination for Musculoskeletal Problems (Theoric and Clinical Practice)

K15. Common Musculoskeletal Pain Syndromes: Chronic Pain, Fibromyalgia Syndrome and Myofascial Pain Syndrome

K16. Mechanical Low Back Pain and Differential Diagnosis

K17. Cervical Spinal Pain and Upper Extremity Pain: Differential Diagnosis

K18. Joint Pain: Monoarthritis – Polyarthritis

K19. Degenerative Joint Disease

K20. Osteoporosis and Vitamin D Deficiency

Class 2 (2021-2022)

K21. Physical Examination of the Locomotor System

K22. Osteoporosis

K23. Soft Tissue Pain

K24. Low Back Pain

K25. Spondyloarthropathies

K26. Rheumatoid arthritis

L. Citations

Google scholar: citations: 363; h-index:11

Researchgate: citations: 315; h-index:10

Web of science: Atıf sayısı: 190; h-index: 8