

Curriculum Vitae

Personal Details

Name: Associate Prof Salim Senturk
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Date of Birth: 20.06.1982
Nationality: Turkish

Educational Background:

1999-2005:Karadeniz Technical University Faculty of Medicine, Trabzon,Turkey
2007-2013: Ankara Atatürk Training and Research Hospital, Turkey: Neurosurgery Residency.
He completed the European Association of neurosurgical societies trainin courses in 2014.

Professional Experience:

2013-2014:Hitit Universiyt Hospital Department of Neurosurgery, Corum, Turkey
2014-2018:Koç University Hospital, Istanbul, Turkey
2018-2019: University Of California San Francisco(UCSF) Spina Center, USA
2019-2019: Rhode Island Hospital, Rhode Island USA
He has been working as a spina specialist at Memorial Hospital since 2019.
He is particularly interested in endoscopic spine surgery and deformity surgery. Dr. Senturk's research focuses on spinal pathology and new techbnique on spinal surgery.

Publications:

1. Senturk S, Avcı I, Paksoy K, Yaman O, Deviren V. Modified Kickstand Rod Technique For The Correction Of Adolescent Idiopathic Scoliosis. World Neurosurg 2022 Aug 29;S1878-8750(22)011204-9. doi: 10.1016/j.wneu.2022.08.093.
2. Bozkurt I, Ozturk Y, Guney G, Arslan B, Gulbahar O, Guvenc Y, Senturk S, Yaman ME: Effects of pirfenidone on experimental head injury in rats. Int J Clin Exp Pathol 2022;15(1):20-28 www.ijcep.com /ISSN:1936-2625/IJCEP0138062
- 3.Yaman O, Zileli M, Şentürk S, Paksoy K, Sharif S. Kyphosis After Thoracolumbar Spine Fractures: WFNS Spine Committee Recommendations. Neurospine 2021;18(4):681-692. doi.org/10.14245/ns.2142340.170
4. Senturk S, Unsal UU, Cevik S, Yaman O. Hemipartial Laminectomy and Bilateral Flavectomy Technique With Unilateral Approach in Patients With Cervical Spinal Stenosis Due to Ligamentum Flavum Hypertrophy: A Technique Note: Cureus; Published 11/30/2021. DOI: 10.7759/cureus.20040
5. Ozturk Y, Bozkurt I, Guvenc Y, Kepoglu U, Cingirt M, Gulbahar O, Ozcerzci T, **Senturk S**, Yaman ME.Modafinil attenuates the neuroinflammatory response after experimental traumatic brain injury. J Neurosurg Sci. 2021 Sep 21. doi: 10.23736/S0390-5616.21.05382-0. Online ahead of print. PMID: 34545730
6. Unsal UU, **Senturk S**.Comparison of direct costs of percutaneous full-endoscopic interlaminar lumbar discectomy and microdiscectomy: Results from Turkey. Ideggyogy Sz. 2021 May 30;74(5-6):197-205. doi: 10.18071/isz.74.0197.
- 7.Avcı I, **Senturk S**. Perineal anesthesia following interlaminar endoscopic disc surgery. Br J Neurosurg. 2021 May 21:1-3. doi: 10.1080/02688697.2021.1928600. Online ahead of print.

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8. Avci I, **Senturk S**. Treatment of Multiple Junctional Vertebra Fractures in a Single Case. *Cureus*. 2021 Feb 10;13(2):e13255. doi: 10.7759/cureus.13255. PMID: 33728196

9. Ulkun UU, **Senturk S**, Radiological Determination of Safe and Adequate Corpectomy Limits in the Cervical Region. *Annals of Medical Research*, 26(5), 854-858., Doi: 10.5455/annalsmedres.2019.01.032,

10. Unsal UU, **Senturk S**. Minimally Invasive Far-Lateral Microdiscectomy: A New Retractor for Far-Lateral Lumbar Disc Surgery. *Cureus*. 2021 Jan 11;13(1):e12625. doi: 10.7759/cureus.12625. PMID: 33585114

11. **Senturk S**, Unsal UU. Percutaneous endoscopic translaminar approach in a patient with pedicle screw malposition and cement leakage. *Br J Neurosurg*. 2021 Jan 19:1-4. doi: 10.1080/02688697.2020.1861435. Online ahead of print. PMID: 33463378

12. **Senturk S**, Unsal UU. A New Technique That Percutaneous Endoscopic Decompression and Vertebroplasty in a Patient With Osteoporotic Vertebral Fracture: A Case Report. *Spine (Phila Pa 1976)*. 2020 Aug 1;45(15):E967-E971. doi: 10.1097/BRS.0000000000003470. PMID: 32675618

13. **Senturk S**, Unsal UU. Percutaneous Endoscopic Interlaminar Decompression of Hypervascular Spinal Metastases. *World Neurosurg*. 2020 Feb;134:182-186. doi: 10.1016/j.wneu.2019.10.175.

14. **Senturk S**, Unsal UU. Percutaneous Full-Endoscopic Removal of Lumbar Intradural Extramedullary Tumor via Translaminar Approach. *World Neurosurgery*, 125, 146-149., Doi: 10.1016/j.wneu.2019.01.206,

15. **Senturk S**, Akyoldas G, Unsal UU, Yaman O, Ozer AF, Minimally Invasive Translaminar Endoscopic Approach to Percutaneous Vertebroplasty Cement Leakage: Technical Note. *World Neurosurgery*, 117, 15-19., Doi: 10.1016/j.wneu.2018.05.214,

16. Akyoldas G, **Senturk S**, Yaman O, Ozdemir N, Acaroglu E. Can Right-Handed Surgeons Insert Upper Thoracic Pedicle Screws in Much Comfortable Position? Right-Handedness Problem on the Left Side. *Journal of Korean Neurosurgical Society*, 61(5), 568-573., Doi: 10.3340/jkns.2018.0059,

17. Ozer AF, Cevik OM, Erbulut DU, Yaman O, **Senturk S**, Oktenoglu T, Sasani M, Süzer T. A Novel Modular Dynamic Stabilization System for the Treatment of Degenerative Spinal Pathologies. *Turk Neurosurg*. 2019;29(1):115-120. doi: 10.5137/1019-5149.JTN.23227-18.1. PMID: 30614508

18. Yaman ME, Ergul G, Guvenc Y, Ozturk Y, Erbay FK, Tolunay T, **Senturk S**, Kırçıl C, Bozkurt G: Evaluation of topical Dexmedetomidine administration in postlaminectomy epidural fibrosis rat model: *International Journal of Surgery* (2018), doi: 10.1016/j.ijssu.2018.03.032.

19. **Senturk S**, Ogrenci A, Gurcay AG, Abdioglu AA, Yaman O, Ozer AF. Classification of Radiological Changes in Burst Fractures. *Maced J Med Sci*. 2018 Feb 14;6(2):359-363. doi: 10.3889/oamjms.2018.094.

20. Yasar Ozturk., Ismail Bozkurt, Mesut Emre Yaman, Yahya Guvenc, Tolga Tolunay, Deniz Billur, Fatma Kubra Erbay, **Salim Senturk**, Gokhan Bozkurt. Histopathological analysis of Tamoxifen on Epidural Fibrosis. January 2018. *World Neurosurgery*. DOI:10.1016/j.wneu.2018.01.004

21. Yahya Güvenç, Göktuğ Akyoldaş, **Salim Şentürk**, Deniz Erbulut, Onur Yaman, Ali Fahir Özer. How to Reduce Stress on the Pedicle Screws in Thoracic Spine Importance of Screw Trajectory. DOI: 10.5137/1019-5149.JTN.21895-17.2

22. **Salim Senturk**, Mesut Emre Yaman, Hasan Emre Aydin, Guven Guney, Ismail Bozkurt, Kemal Paksoy, Ahmet Atilla Abdioglu. Effects of Resveratrol on Inflammation and Apoptosis after experimental spinal cord injury. *Turkish Neurosurgery*, DOI:10.5137/1019-5149.JTN.21829-17.3

23. Mert Ciplak, Tuncer Suzer, **Salim Senturk**, Onur Yaman, Mehdi Sasani, Tunc Oktenoglu, Atilla Yilmaz, Deniz Ufuk Erbulut, Ali Fahir Özer: Complications of 2-level dynamic stabilization. Turkish Neurosurgery DOI: 10.5137/1019-5149.JTN.21036-17.1
24. Atilla Yilmaz, **Salim Senturk**, Mehdi Sasani, Tunc Oktenoglu, Onur Yaman, Hakan Yildirim, Tuncer Suzer, Ali Fahir Ozer: Disc Rehydration after Dynamic Stabilization: A Report of 59 Cases Asian Spine J 2017;11(3):348-355DOI: 10.4184/asj.2017;11(3):348-355
25. Can Yıldız, Birol Ozkal, Yahya Guvenc, **Salim Senturk**, Deniz Erbulut, Iman Zafarparandah, Onur Yaman, Ihsan Solaroglu, Fahir Ozer. Comparison of the rigid rod system with modular plate with the finite element analysis in short-segment posterior stabilization in the lower lumbar region: Turk Neurosurg. 2017;27(4):610-616. doi: 10.5137/1019-5149.JTN.16203-15.1.
26. **Salim Senturk**, Goktug Akyoldas, Onur Yaman, Ali Fahir Ozer. A New Technique For The Surgical Treatment of Atlantoaxial Instability: C1 Lateral Mass And C2-3 Transfacet Screwing. Turk Neurosurg. 2017 Mar 9. doi: 10.5137/1019-5149.JTN.20022-17.1.
27. Oktay Gurcan, Ahmet Gurgan Gurcay, Atilla Kazancı, Evrim Onder, **Salim Senturk**, Murad Bavbek. Is the use of hemostatic matrix (Flo seal) and alkylene oxide copolymer (Ostene) safe in spinal laminectomies? Peridural fibrosis assessment, Acta Orthopaedica et Traumatologica Turcica · February 2017 DOI:10.1016/J.AOTT.2017.02.006
28. **Salim Senturk**, Ulkun Unlu Unsal, Berkay Paker, Onur Yaman and Ali Fahir Ozer. Present and Future of Endoscopy in Spinal Surgery. Mini Review Volume 6 Issue 2 - October 2017. DOI: 10.19080/OAJNN.2017.06.555685 Open Access J Neurol Neurosurg
29. Oktay Gurcan, Ahmet Gurhan Gurcay, Atilla Kazancı, **Salim Senturk**, Ebru Bodur, Ebru Umay Karaca, Omer Faruk Turkoglu. Efficiency of an Eastern traditional medicine- Asiatic acid on traumatic spinal cord injury: an experimental study. Turk Neurosurg. 2017;27(2):259-264. doi: 10.5137/1019-5149.JTN.15747-15.2.
30. Ozer AF, **Senturk S**, Ciplak M, Oktenoglu T, Sasani M, Egemen E, Yaman O, Suzer T. Novel Foraminal Expansion Technique. Asian Spine J. 2016 Aug;10(4):767-70. doi: 10.4184/asj.2016.10.4.767.
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32. Ahmet Gurhan Gurcay, Ismail Bozkurt, **Salim Senturk**, Atilla Kazancı, Oktay Gurcan, Omer Faruk Turkoglu, Ethem Beskonakli. Diagnosis, treatment, and management strategy of meningioma during pregnancy Article. Asian J Neurosurgery. 2018 Jan-Mar;13(1):86-89. doi: 10.4103/1793-5482.181115
33. Atilla Kazancı, Oktay Gurcan, Ahmet Gurhan Gurcay, **Salim Senturk**, Ali Erdem Yıldırım, Aydan Kılıcarslan, Omer Faruk Turkoglu, Murad Bavbek. Primary Ewing Sarcoma in Spinal Epidural Space: Report of Three Cases and Review of the Literature :Journal Of Neurological Sciences (Turkish) 32:(1)43; 250-261,2015
34. Ahmet Gurhan Gurcay, Oktay Gurcan, Atilla Kazancı, Ismail Bozkurt, **Salim Senturk**, Ebru Bodur, Omer Faruk Turkoglu, Murad Bavbek .Comparative biochemical and motor function analysis of Alpha Lipoic Acid and N-Acetyl Cysteine treatment on rats with experimental spinal cord injury: Date Accepted: Apr 02, 2015, DOI: 10.5137/1019-5149.JTN.14594-15.0
35. Gomleksiz C, Egemen E, **Senturk S**, Yaman O, Aydın AL, Tunc Oktenoglu, Mehdi Sasani, Tuncer Suzer, Ali Fahir Ozer(2015). Thoracolumbar Fractures: A Review of Classifications and Surgical Methods : J Spine 4: 250. doi:10.4172/2165-7939.1000250
36. Yaman ME, Gudeloglu A, **Senturk S**, Yaman ND, Tolunay T, Ozturk Y, Arslan AK. A critical appraisal of the North American Spine Society guidelines with the Appraisal of Guidelines for Research and Evaluation II instrument. Spine J. 2015 Jan 19. pii: S1529-9430(15)00028-5. doi:10.1016/j.spinee.2015.01.012.

37. Ismail Istemen, Selcuk Ozdogan, Ali Haluk Duzkalir, **Salim Senturk**, Timur Yildirim , Mehmet Ozerk Okutan. Clinical Results of Median Corpectomy in Cervical Spondylotic Patients with Myelopathy. DOI: 10.5137/1019-5149.JTN.10354-14. Turkish Neurosurgery

38. Mesut Emre Yaman, Melih İzdes, **Salim Senturk**, Atilla Kazancı, Yasar Ozturk
Fiber Dissection Training Model for Microsurgical Practice: Cow Brain White Matter Fiber Dissection with Klingler's technique Journal of Neurological Sciences [Turkish] 31:(4)# 42; 783-789, 2014

39. **Salim Senturk**, Ahmet Gurhan Gürcay, Ismail Bozkurt ,Oktay Gurcan, Hakan Eroglu ,Omer Faruk Turkoglu, Murad Bavbek . Effects of Tadalafil – Type V Phosphodiesterase Enzyme Inhibitor – on Rats with Spinal Trauma : DOI:10.3109/02688697.2014.976174 British Journal of Neurosurgery-2014

Books

1. Endoscopic Approach To The Spina. Editor: **Salim Senturk**, İdris Avcı, Ali Fahir Ozer, US Akademi, 2020

2. TNDER Yeterlik ve EBNS Sınavlarına Hazırlık Açıklamalı Soru Kitap Seti
(6 kitap: Nöroanatomi, Nöroonkoloji, Nörovasküler, Spinal ve Periferik Sinir Cerrahisi, Pediatri, Fonksiyonel). Editor:**Salim Senturk**, Us Akademi 2021

Presentations:

International congresses

1. S.Şentürk, Ahmet Gurhan Gurcay,Oktay Gurcan,Ismail Bozkurt, Hakan Eroglu, Omer Faruk Turkoglu, Murad Bavbek .The effect of Tadalafil-Type 5 Phosphodiesterase Enzyme Inhibitor on Rats with spinal trauma. 15. WFNS World Congress off Neurosurgery. September 8-13 2013 Seoul, Korea

2. S.Şentürk, İ. İstemem, M.Ö.Okutan, İ.Solaroğlu, S.İşık, E.Beşkonaklı. The Comparison Of The Efficacy Of Methylprednisolon And Betamethason Protocols In Facet Joint Injection.4.ISMISS Congress in Turkey on minimal invasive spine surgery and interventional treatments April 1-3 2011 Antalya TURKEY

3. S.Şentürk, İ. İstemem, M.Ö.Okutan, İ.Solaroğlu, S.İşık, E.Beşkonaklı. The efficacy of epiduroscopic adhesiolysis and steroid injection for failed back surgery syndrome and chronic back pain. 4.ISMISS Congress in Turkey on minimal invasive spine surgery and interventional treatments April 1-3 2011 Antalya TURKEY

Society Memberships

- 1)European Spina Society
- 2)Turkish Neurosurgical Society
- 3)Turkish Spine Society
- 4)Middle East Spina Society(MESS)

