

## Doçent Dr Senol Bekmez Özgeçmiş

### I. Kişisel bilgiler

İsim : Senol Bekmez  
Dogum tarihi : 12 Subat 1983  
Dogum Yeri : Samsun  
Uyruk : Türkiye Cumhuriyeti

### II. En son çalıştığı pozisyon

Pediyatrik Ortopedik Cerrahi klinik fellowu  
Toronto Üniversitesi  
The Hospital for Sick Children  
Ortopedi ve Travmatoloji Departmanı  
Toronto, ON, Canada

### III. Eğitim

İlkokul 1991-1995  
*Samsun Terme Atatürk İlkokulu*  
Ortaokul / Lise 1995-2001  
*Ordu Anadolu Lisesi*  
*Ordu Fen Lisesi*  
Tıp Fakültesi 2001-2007  
*Hacettepe Üniversitesi Tıp Fakültesi (İngilizce)*  
*Mezuniyet tarihi: 29.06.2007*

### IV. Uzmanlık Eğitimi

Hacettepe Üniversitesi Tıp Fakültesi  
Ortopedi ve Travmatoloji Anabilim Dalı  
Kasım 2007- Kasım 2012

### V. Üst İhtisas Eğitimi

Toronto Üniversitesi, Kanada  
The Hospital for Sick Children  
Ortopedi ve Travmatoloji Departmanı  
Pediyatrik ortopedik cerrahi klinik yan dal ihtisası  
1 Ağustos 2019- 31 Aralık 2020

## **VI. Daha Önceki Görev Yerleri**

1. Dr. Sami Ulus Eğitim Arastirma Hastanesi, Ankara  
Ortopedi ve Travmatoloji Uzmani  
Ocak 2013 – Eylül 2014
2. Tokat Devlet Hastanesi, Tokat  
Ortopedi ve Travmatoloji Uzmani  
Eylül 2014 – Kasım 2014
3. Özel Çankaya Hastanesi, Ankara  
Ortopedi ve Travmatoloji Uzmani  
Kasım 2014 – Temmuz 2019
4. The Hospital for Sick Children, Toronto, ON, Canada  
Pediatrik Ortopedik cerrahi klinik fellowu  
1 Ağustos 2019 – 31 Aralık 2020

## **VII. Doçent Ünvanı**

17.10.2018 tarihinde Ortopedi ve Travmatoloji Bilim/sanat alanında doçent ünvanı almaya hak kazanmıştır.

## **VIII. Dernek üyelikleri**

- European Paediatric Orthopaedic Society (EPOS)  
Aktif üye 2020-
- Türk Ortopedi ve Travmatoloji birliği derneği (TOTBID)  
Üye 2013-
- Türk Ortopedi ve Travmatoloji Eğitim Konseyi (TOTEK)  
Üye (Board sinavi) 2014-
- Çocuk Ortopedisi Derneği  
Üye 2017-
- Türk Omurga Derneği  
Üye 2018-

## **IX. Uluslararası Kongrelerde Sunulan Sözlü Bildiriler**

1. Are Magnetically Controlled Growing Rods a Good Option for Collapsing Spine Deformity in Spinal Muscular Atrophy Type-2 Associated Early Onset Scoliosis?  
**Bekmez S**, Yataganbaba A, Olgun ZD, Demirkiran HG, Yazici M  
*12th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS) November 15-16, Lisbon, Portugal*
2. Can TGR change the natural history of pulmonary functions in EOS? Is Radiological Straightness Correlated with Normal Lung Development?  
Celebioglu E, Yataganbaba AH, Oncel A, Degirmenci C, **Bekmez S**, Tekin F, Demirkiran HG, Yalcin EE, Demir AU, Yazici M  
*Scoliosis Research Society (SRS) 53<sup>rd</sup> Annual Meeting & Course October 10-13 2018, Bologna, Italy*  
*'Russell A. Hibbs Award' nominee in the clinical research category*
3. Pull-Out of the Upper Thoracic Pedicle Screws Can Cause Spinal Canal Encroachment in Growing Rod Treatment  
**Bekmez S**, Kocyigit IA, Olgun ZD, Ayvaz M, Demirkiran HG, Yazici M  
*11th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS) November 16-17, San Diego CA, USA*
4. Health-Related Quality of Life in Early-Onset Scoliosis Patients Treated Surgically EOSQ Scores in Traditional Growing Rod vs. Magnetically-Controlled Growing Rods  
Doany ME, Olgun ZD, Kinikli GI, **Bekmez S**, Kocyigit IA, Demirkiran HG, Yazici M  
*24<sup>th</sup> International Meeting on Advanced Spine Techniques, July 12-15, 2017, Cape Town, South Africa*
5. Convex Growth Arrest in Immature Spine: Comparison of Posterior/Anterior Non-Instrumented and All-Posterior Pedicle Screw Instrumented Fusion in an Animal Model  
Demirkiran, G, **Bekmez S**, Yilmaz G, Akel İ, Atilla P, Muftuoglu S, Yazici M,

Alanay A

*19th International Meeting on Advanced Spine Techniques, July 18-21, 2012, Istanbul, Turkey*

6. Serial Casting as a Delaying Tactic in Congenital Spinal Deformities  
Demirkiran G, **Bekmez S**, Celilov R, Dede O, Yazici M  
*7th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS) Congress, November 21-22, 2013, Rancho Bernardo CA, USA*
7. Choosing Distal Instrumentation Level in Growing Rod Surgery - Where to Stop?  
**Bekmez S**, Demirkiran G, Dede O, Sturm P, Yazici M  
*8th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS) November 20-21, 2014, Warsaw, Poland*
8. The Effects of Dual Growing Rods on the Natural Progress of the Pelvic Incidence in Idiopathic or Idiopathic-Like Early Onset Scoliosis  
**Bekmez S**  
*11th International Turkish Spine Congress, Izmir, 29 April- 2 May, Izmir, Turkey*

#### **X. Makaleler**

1. Supracondylar humerus fractures in older children: Success of closed reduction and percutaneous pinning  
**Bekmez S**, Camp MW, Ling R, El-Amiri N, Howard AW.  
*J Pediatr Orthop.* 2020 Dec 18. Doi: 10.1097/BPO.0000000000001732. Online ahead of print.
2. Early results of a management algorithm for collapsing spine deformity in young children (<10 year-old) with spinal muscular atrophy type II  
**Bekmez S**, Dede O, Yataganbaba A, Demirkiran G, Yazici M.  
*J Pediatr Orthop.* 2020 Jul;40(6):e413-e419.

3. Is magnetically controlled growing rod the game changer in early-onset scoliosis? A preliminary report.  
**Bekmez S**, Afandiyev A, Dede O, Karaismailoğlu E, Demirkiran HG, Yazici M.  
*J Pediatr Orthop.* 2019 Mar;39(3):e195-e200.
4. Pull-out of upper thoracic pedicle screws can cause spinal canal encroachment in growing rod treatment.  
**Bekmez S**, Kocyigit A, Olgun ZD, Ayvaz M, Demirkiran HG, Karaagaoglu E, Yazici M.  
*J Pediatr Orthop.* 2018 Aug;38(7):e399-e403.
5. Pedicle subtraction osteotomy versus multiple posterior column osteotomies in severe and rigid neuromuscular scoliosis  
**Bekmez S**, Ozhan M, Olgun ZD, Suzer A, Ayvaz M, Demirkiran HG, Karaagaoglu E, Yazici M.  
*Spine (Phila Pa 1976).* 2018 Aug 1;43(15):E905-E910.
6. Titanium mesh cage as an alternative reconstruction method for epiphyseal-sparing tumour resections in children.  
Ayvaz M, **Bekmez S**, Yucekul A, Mermerkaya MU, Tokgozoglu AM.  
*J Pediatr Orthop B.* 2018 Jul;27(4):350-355.
7. Health-related quality of life in early-onset scoliosis patients treated surgically: EOSQ scores in traditional growing rod versus magnetically controlled growing rods.  
Doany ME, Olgun ZD, Kinikli GI, **Bekmez S**, Kocyigit A, Demirkiran G, Karaagaoglu AE, Yazici M.  
*Spine (Phila Pa 1976).* 2018 Jan 15;43(2):148-153.
8. Advances in growing rods treatment for early onset scoliosis.  
**Bekmez S**, Dede O, Yazici M.  
*Curr Opin Pediatr.* 2017 Feb;29(1):87-93.
9. Spinal instrumentation in growing children retards the natural development of pelvic incidence.  
**Bekmez S**, Demirkiran HG, Dede O, Atici Y, Balioglu MB, Kruyt M, Ward T,

Yazici M.

*J Pediatr Orthop.* 2019 Mar;39(3):141-145.

10. Surgical management of progressive thoracolumbar kyphosis in mucopolysaccharidosis: Is a posterior-only approach safe and effective?  
**Bekmez S**, Demirkiran HG, Dede O, Ismayilov V, Yazici M.  
*J Pediatr Orthop.* 2018 Aug;38(7):354-359.
11. Convex hemiepiphyodesis: Posterior/anterior in-situ vs. posterior only with pedicle screw instrumentation: An experimental simulation in immature pigs.  
**Bekmez S**, Demirkiran HG, Yilmaz G, Akel I, Atilla P, Muftuoglu SF, Yazici M, Alanay A.  
*J Pediatr Orthop* 2016 Dec;36(8):847-852.
12. Improving safety and efficacy in the surgical management of low-tone neuromuscular scoliosis: Integrated approach with a 2-attending surgeon operative team and modified anesthesia protocol.  
Ozhan MO, Bakircioglu S, **Bekmez S**, Olgun ZD, Suzer A, Demirkiran HG, Yazici M.  
*J Pediatr Orthop* 2020 Aug 14. doi: 10.1097/BPO.0000000000001658. Online ahead of print.
13. Utilizing the “stable-to-be vertebra” saves motion segments in growing rods treatment for early-onset scoliosis.  
Dede O, Demirkiran G, **Bekmez S**, Sturm PF, Yazici M.  
*J Pediatr Orthop.* 2015 Apr 1. 2016 Jun;36(4):336-42.
14. Serial derotational casting in congenital scoliosis as a time-buying strategy  
Demirkiran G, **Bekmez S**, Celilov R, Ayvaz M, Dede O, Yazici M  
*J Pediatr Orthop* 2015 Jan;35(1):43-9.
15. Growing-rod graduates with idiopathic early-onset scoliosis have comparable exercise tolerance to patients with surgically treated adolescent idiopathic scoliosis  
Celebioglu E, Yataganbaba A, **Bekmez S**, Oncel A, Degirmenci C, Tekin F, Demirkiran G, Yalcin E, Demir AU, Yazici M  
*J Pediatr Orthop* 2020 Sep;40(8):e734-e739.

16. Acute forearm compartment syndrome in a newborn caused by reperfusion after spontaneous axillary artery thrombosis  
**Bekmez S**, Beken S, Mermerkaya U, Ozkan M, Okumus N  
*J Pediatr Orthop B* 2015;24(6):552-5.
17. Lower extremity amputation in a preterm infant due to mthfr homozygosity  
**Bekmez S**, Beken S, Dinc T, Dursun A, Zenciroglu A, Dilli D, Okumus N  
*Genet Couns* 2014;25(2):245-9.
18. Iliac bone cysts adjacent to the sacroiliac joint: An unusual cause of sacroiliac pain.  
**Bekmez S**, Ayvaz M, Mermerkaya MU, Tokgozoglu M  
*Acta Orthop Traumatol Turc* 2014(5):475-9.
19. Modular cementless prosthetic reconstruction after resection of lower extremity malignant tumor.  
**Bekmez S**, Ayvaz M, Yucekul A, Tokgozoglu M.  
*Acta Orthop Traumatol Turc.* 2016 Dec;50(6):674-680.
20. Transverse sacral fractures and concomitant late-diagnosed cauda equina syndrome  
**Bekmez S**, Demirkiran G, Caglar O, Akel I, Acaroglu E  
*Ulus Travma Acil Cer Derg* 2014;20(1):71-4.
21. Anterior cruciate ligament reconstruction using a hamstring graft: aA retrospective comparison of tunnel widening upon use of two different fixation methods  
Mermerkaya MU, Atay OA, Kaymaz B, **Bekmez S**, Karaaslan F, Doral MN  
*Knee Surg Sports Traumatol Arthrosc* 2015 Aug;23(8):2283-91.
22. Can standing knee radiographs predict chondral lesions in young- and middle-aged population?  
Uzumcugil A, **Bekmez S**, Kaya D, Atay OAA, Doral MN  
*Knee Surg Sports Traumatol Arthrosc* 2014;22(6):1370-5.
23. Evaluation of vacuum-assisted closure in patients with wound complications following tumour surgery  
Mermerkaya MU, **Bekmez S**, Alkan E, Ayvaz M, Tokgozoglu M  
*Int Wound J* 2014. doi: 10.1111/iwj.12318

24. Long-term results of reconstruction with pelvic allografts after wide resection of pelvic sarcomas  
Ayvaz M, **Bekmez S**, Mermerkaya MU, Caglar O, Acaroglu E, Tokgozoglu M  
*The Scientific Word Journal* 2014. doi: 10.1155/2014/605019
25. Two-staged revision with custom made prosthesis in septic failure of massive allograft reconstruction after type II-III pelvic resection  
**Bekmez S**, Ayvaz M, Mermerkaya MU, Tokgozoglu AM  
*Eklem Hastalik Cerrahisi* 2014;25(3):182-5.
26. Intralesional curettage and cementation for low-grade chondrosarcoma of long bones; retrospective study and literature review  
Mermerkaya MU, **Bekmez S**, Karaaslan F, Danisman M, Kosemehmetoglu K, Gedikoglu G, Ayvaz M, Tokgozoglu M  
*World J Surg Oncol* 2014 10;12:336.
27. Mid-term results of displaced acetabulum fractures surgically treated using anterior intra-pelvic approach (modified stoppa).  
Caglar O, Kamaci S, Bekmez S, Tokgozoglu AM, Atilla B, Acaroglu E.  
*Ulus Travma Acil Cerrahi Derg* 2020; 26(1):130-6.
28. Reconstruction of periacetabular tumours with saddle prosthesis or custom-made prosthesis, functional and complications.  
Danisman M, Mermerkaya MU, **Bekmez S**, Ayvaz M, Atilla B, Tokgozoglu AM.  
*Hip Int.* 2016 Mar 23;26(2):e14-8.

## **XI. Kitap Bölümleri**

1. Hemiepiphysiodesis for the Treatment of Congenital Scoliosis  
**Bekmez S**, Yazici M  
Early Onset Scoliosis: A Clinical Casebook  
Ed: Ron El-Hawary and Craig P. Eberson  
Springer Nature 2018



2. Common Elbow Fractures  
**Bekmez S**, Uzumcugil A, Bilen E, Oztuna V, Aktuglu K  
Sports Injuries: Prevention, Diagnosis, Treatment and Rehabilitation. 2<sup>nd</sup> Ed.  
Springer-Verlag, Berlin Heidelberg 2014.
3. Postoperative Management: Rehabilitation  
Atay OA, **Bekmez S**, Ayvaz M, Baltaci G  
Knee Ligament Injuries  
Springer-Verlag, Italia 2014.
4. Arthroscopic Treatment of Anterior Glenohumeral Instability  
Atay OA, Mermerkaya MU, **Bekmez S**, Doral MN  
Sports Injuries: Prevention, Diagnosis, Treatment and Rehabilitation  
Springer-Verlag, Berlin Heidelberg 2011.

## **XII. Sertifikalar**

1. European Pediatric Orthopaedic Society (EPOS) Basic Advanced Training  
Core Curriculum in Children's Orthopaedics Trilogy Course Diploma,  
Vienna/Austria (March 2016 - October 2016 - March 2017)
2. International Pediatric Orthopaedics Symposium (IPOS),  
Orlando/USA (2017 ve 2019)
3. EPOS Advanced Pediatric Spine Course,  
Vienna/Austria (2017)
4. EPOS annual meeting,  
Oslo/Norway (2018)
5. EPOSNA Combined meeting,  
Barcelona/Spain (2017)
6. EPOS Advanced Cerebral Palsy Course,  
Vienna /Austria (2016)
7. Scoliosis Research Society (SRS) annual meeting,  
Bologna/Italy (2018)

8. International Congress on Early Onset Scoliosis (ICEOS)  
Lisbon/Portugal (2018)
9. ISCO Istanbul Symposium on Children's Orthopaedics,  
Istanbul/Turkey (2015)
10. Scoliosis Research Society-Spine Deformity Hands-on cadaver course  
Istanbul/Turkey (2015 ve 2019)
11. Scoliosis Research Society- International Meeting on Advanced Spine  
Techniques  
Istanbul/Turkey (2011)
12. University of Zurich Microsurgery Course  
Zurich/Switzerland (2010)
13. AO Trauma Basic Course  
Ankara/Turkey (2012)
14. AO Trauma Advanced Course  
Ankara/Turkey (2015)
15. CPOT- Canadian Pediatric Orthopaedic Trauma course  
Whistler/Canada (2020)