



## Levent ALTINEL

**Birthday :** 1970

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### Education

- 1994 Ege University, Faculty of Medicine (MD)
- 1999 Istanbul University, Istanbul Faculty of Medicine, Orthopedics and Traumatology Department (speciality)

### Professional Experience

#### 2001-2012

Afyon Kocatepe University, Faculty of Medicine

- 2001-2003 Lecturer
- 2003-2008 Assistant Professor
- 2009-2012 Associate Professor

#### 2012-2016

Akdeniz University, Faculty of Medicine

- 2012-2014 Associate Professor
- 2014-2016 Professor

#### 2017-2018

- ASV Private Yaşam Hospital

#### 2018-

- Private Uncalı Meydan Hospital

### Special Interests

- Computer-assisted surgery (robotic surgery):
  - Total knee replacement
  - Partial knee replacement
  - Total hip replacement
- Knee surgery:
  - ACL repair
  - Meniscus surgery
  - Cartilage repairs
- Shoulder surgery:
  - Shoulder dislocation (bankart)
  - Rotator Cuff tendon repair

### Administrative Duties

- Head of Department: Department of Orthopedics and Traumatology, Afyonkarahisar Kocatepe University, 2004–2005
- Deputy Director: Afyonkarahisar Kocatepe University, Atatürk Vocational School of Health Services, 2003–2007
- School Director: Afyonkarahisar Kocatepe University, School of Physical Education and Sports, 2011-2012

<p><b>Supervised PhD and Master Theses</b></p>	<ul style="list-style-type: none"> <li>▪ Aksoy, Y., “Total diz artroplastinde dren klempleme sonrası kan kayıplarının saptanması” , Afyonkarahisar Kocatepe Üniversitesi, 2009</li> <li>▪ Eryiğit, N., “Hemşirelerin Derin Ven Trombozu Konusundaki Bilgi Düzeylerinin Saptanması”, Afyonkarahisar Kocatepe Üniversitesi, 2006</li> <li>▪ Karademir, N., “Primer Osteoporozda Risk Faktörleri ve Yaşam Kalitesine Etkisi”, Afyonkarahisar Kocatepe Üniversitesi, 2007</li> </ul>
<p><b>Projects</b></p>	<ul style="list-style-type: none"> <li>▪ Avakado ve Soya Ekstresinin (ASU) Menisküs İyileşmesi Üzerine Etkisi, Afyonkarahisar Kocatepe Üniversitesi Projesi, Sayı: 801–04, Araştırmacı,</li> <li>▪ Avakado ve Soya Ekstresinin Transforming Growth Faktör B1 ve B2 Üzerine Etkisi, Afyonkarahisar Kocatepe Üniversitesi Projesi, 042.TIP.12, Proje Yöneticisi, 2006.</li> <li>▪ Afyon İlinde Sık Görülen Hastalıklar, Özürler ve Çevre Şartlarının Sağlığa Etkilerinin Belirlenmesi, Afyonkarahisar Kocatepe Üniversitesi Projesi, 06.REK.01, Araştırmacı,</li> </ul>
<p><b>Membership in Scientific Organizations</b></p>	<ul style="list-style-type: none"> <li>▪ Turkish Medical Association</li> <li>▪ TOTBİD (Türk Ortopedi ve Travmatoloji Birliği Derneği)</li> <li>▪ TOTDER (Türk Ortopedi ve Travmatoloji Derneği)</li> <li>▪ TUSYAD (Türkiye Spor Yaralanmaları, Artroskopisi ve Diz Cerrahisi Derneği )</li> <li>▪ TOTEK (Türk Ortopedi ve Travmatoloji Eğitim Konseyi)</li> <li>▪ Kalça Diz Artroplastisi Derneği</li> </ul>
<p><b>Scientific Awards</b></p>	<ul style="list-style-type: none"> <li>▪ Bozan, M.E., İ. Kuru, F. Aktepe, L. Altınel, Maralcan ve A. Özdemir, “Avakado-soya ekstresinin tavşanlarda menisküs iyileşmesine etkisi”, XIX. Milli Türk Ortopedi ve Travmatoloji Kongresi, Acta Orthopaedica et Traumatologica Turcica Supplementum II, Cilt 39, 29, Antalya, 2005 (En iyi araştırma ödülü)</li> </ul>
<p><b>Articles in Pubmed</b></p>	<p>1: Gurses IA, Altinel L, Gayretli O, Akgul T, Uzun I, Dikici F. Morphology and morphometry of the ulnar head of the pronator teres muscle in relation to median nerve compression at the proximal forearm. Orthop Traumatol Surg Res. 2016 Dec;102(8):1005-1008. doi: 10.1016/j.otsr.2016.08.016. Epub 2016 Nov 11. PubMed PMID: 27843079.</p> <p>2: Eroğlu M, Er MS, Altinel L, Kokulu S, Yücehan M. The efficacy of subcutaneous local analgesic infusion in the early postoperative period after bilateral total knee arthroplasty. Eklem Hastalik Cerrahisi. 2015;26(3):158-63. doi: 10.5606/ehc.2015.32. PubMed PMID: 26514220.</p> <p>3: Altinel L, Er MS, Kaçar E, Erten RA. Diagnostic efficacy of standard knee magnetic resonance imaging and radiography in evaluating integrity of</p>

anterior cruciate ligament before unicompartmental knee arthroplasty. *Acta Orthop Traumatol Turc.* 2015;49(3):274-9. doi: 10.3944/AOTT.2015.14.0013. PubMed PMID: 26200406.

4: Er MS, Verim O, Eroglu M, Altinel L, Gokce B, Tasgetiren S. Biomechanical evaluation of syndesmotic screw design via finite element analysis and Taguchi's method. *J Am Podiatr Med Assoc.* 2015 Jan-Feb;105(1):14-21. doi: 10.7547/8750-7315-105.1.14. PubMed PMID: 25675221.

5: Er MS, Altinel L, Eroglu M, Verim O, Demir T, Atmaca H. Suture anchor fixation strength with or without augmentation in osteopenic and severely osteoporotic bones in rotator cuff repair: a biomechanical study on polyurethane foam model. *J Orthop Surg Res.* 2014 Aug 22;9:48. doi: 10.1186/1749-799X-9-48. PubMed PMID:25148925; PubMed Central PMCID: PMC4237878.

6: Er MS, Altinel EC, Altinel L, Erten RA, Eroğlu M. An assessment of sleep quality in patients undergoing total knee arthroplasty before and after surgery. *Acta Orthop Traumatol Turc.* 2014;48(1):50-4. doi: 10.3944/AOTT.2014.3163. PubMed PMID: 24643100.

7: Er MS, Eroglu M, Altinel L. Femoral neck stress fracture in children: a case report, up-to-date review, and diagnostic algorithm. *J Pediatr Orthop B.* 2014 Mar;23(2):117-21. doi: 10.1097/BPB.0000000000000003. Review. PubMed PMID: 24080772.

8: Verim O, Er MS, Altinel L, Tasgetiren S. Biomechanical evaluation of syndesmotic screw position: a finite-element analysis. *J Orthop Trauma.* 2014 Apr;28(4):210-5. doi: 10.1097/BOT.0b013e3182a6df0a. PubMed PMID: 24045434.

9: Er MS, Eroglu M, Verim O, Altinel L. Finite element analysis of the pelvis after modular hemipelvic endoprosthesis reconstruction. *Int Orthop.* 2013 Oct;37(10):2097-8. PubMed PMID: 23797456; PubMed Central PMCID: PMC3779568.

10: Er MS, Verim O, Altinel L, Tasgetiren S. Three-dimensional finite element analysis used to compare six different methods of syndesmosis fixation with 3.5- or 4.5-mm titanium screws: a biomechanical study. *J Am Podiatr Med Assoc.* 2013 May-Jun;103(3):174-80. PubMed PMID: 23697720.

11: Er MS, Eroglu M, Altinel L. Comment on "compression screw fixation of the syndesmosis". *Foot Ankle Int.* 2013 Apr;34(4):612. doi:

10.1177/1071100713483119. PubMed PMID: 23559619.

12: Eroglu M, Er MS, Altinel L. Comment on the article "Auxiliary locking plate improves fracture stability and healing in intertrochanteric fractures fixated by intramedullary nail (IMN)" by Eberle et al. *Clin Biomech (Bristol, Avon)*. 2013 Apr;28(4):480. doi: 10.1016/j.clinbiomech.2013.03.002. Epub 2013 Apr 1. PubMed PMID: 23557635.

13: Kose KC, Inanmaz ME, Altinel L, Bal E, Caliskan I, Isik C, Ergan V. Convex short segment instrumentation and hemi-chevron osteotomies for Putti type 1 thoracic hemivertebrae: a simple treatment option for patients under 5 years old. *J Spinal Disord Tech*. 2013 Aug;26(6):E240-7. doi: 10.1097/BSD.0b013e318288716e. PubMed PMID: 23429314.

14: Er MS, Eroglu M, Altinel L, Kose KC. Comment on "use of reduced-dose periarticular injection for pain management in simultaneous bilateral total knee arthroplasty" (volume 27 [number 9] 2012). *J Arthroplasty*. 2013 Mar;28(3):544-5. doi: 10.1016/j.arth.2012.11.001. Epub 2012 Dec 14. PubMed PMID: 23246350.

15: Eroglu M, Er MS, Altinel L, Kose KC. Comment on "injectable calcium phosphate cement for augmentation around cancellous bone screws. In vivo biomechanical studies" [*Journal of Biomechanics* vol. 45 (7) (2012) pp. 1156-1160]. *J Biomech*. 2013 Feb 1;46(3):633-4. doi: 10.1016/j.jbiomech.2012.08.048. Epub 2012 Oct 30. PubMed PMID: 23116765.

16: Aksoy Y, Altinel L, Köse KÇ. The comparison of the effects of intraoperative bleeding control and postoperative drain clamping methods on the postoperative blood loss and the need for transfusion following total knee arthroplasty. *Acta Orthop Traumatol Turc*. 2011;45(3):190-4. doi: 10.3944/AOTT.2011.2398. PubMed PMID: 21765233.

17: Altinel L, Sahin O, Köse KC, Baş O, Ozen OA, Saritaş ZK, Pamuk K. [Healing of osteochondral defects in canine knee with avocado/soybean unsaponifiables: a morphometric comparative analysis]. *Eklem Hastalik Cerrahisi*. 2011;22(1):48-53. Turkish. PubMed PMID: 21417987.

18: Kose KC, Altinel L, Isikb C, Komurcuc E, Mutlud S, Ozdemire M. Bilateral post-injection fibrosis of the gluteal region mimicking lumbar disc herniation: a case report. *Orthop Rev (Pavia)*. 2009 Oct 10;1(2):e25. doi: 10.4081/or.2009.e25. PubMed PMID: 21808687; PubMed Central PMCID: PMC3143986.

19: Kose KC, Isik C, Altinel L, Ates A, Ozdemir M. Easy retrieval of polyaxial tulip-head pedicle screws by "U" rod technique. *Eur Spine J.* 2010 Jan;19(1):144-6. doi: 10.1007/s00586-009-1096-4. Epub 2009 Jul 18. PubMed PMID: 19618219; PubMed Central PMCID: PMC2899743.

20: Altinel L, Köse KC, Ergan V, Işık C, Aksoy Y, Ozdemir A, Toprak D, Doğan N. [The prevalence of low back pain and risk factors among adult population in Afyon region, Turkey]. *Acta Orthop Traumatol Turc.* 2008 Nov-Dec;42(5):328-33. Turkish. PubMed PMID: 19158453.

21: Kose KC, Cebesoy O, Ergan V, Maralcan G, Altinel L, Songur A, Kuru I. Talonavicular joint approach to the talar body: a cadaver study. *Foot Ankle Int.* 2008 Jun;29(6):601-5. doi: 10.3113/FAI.2008.0601. PubMed PMID: 18549757.

22: Köse KC, Bilgin S, Cebesoy O, Altinel L, Akan B, Guner D, Doganay B, Adiyaman S, Demirtas M. Clinical results versus subjective improvement with anterior transposition in cubital tunnel syndrome. *Adv Ther.* 2007 Sep-Oct;24(5):996-1005. PubMed PMID: 18029325.

23: Altinel L, Kose KC, Degirmenci B, Petik B, Acarturk G, Colbay M. The midterm effects of diabetes mellitus on quadriceps and patellar tendons in patients with knee arthrosis: a comparative radiological study. *J Diabetes Complications.* 2007 Nov-Dec;21(6):392-6. PubMed PMID: 17967713.

24: Altinel L, Köse KC, Aksoy Y, Işık C, Erğan V, Ozdemir A. [Hip rotation degrees, intoeing problem, and sitting habits in nursery school children: an analysis of 1,134 cases]. *Acta Orthop Traumatol Turc.* 2007;41(3):190-4. Turkish. PubMed PMID: 17876117.

25: Cebesoy O, Kose KC, Kuru I, Altinel L, Gul R, Demirtas M. Use of a splint following open carpal tunnel release: a comparative study. *Adv Ther.* 2007 May-Jun;24(3):478-84. PubMed PMID: 17660155.

26: Altinel L, Saritas ZK, Kose KC, Pamuk K, Aksoy Y, Serteser M. Treatment with unsaponifiable extracts of avocado and soybean increases TGF-beta1 and TGF-beta2 levels in canine joint fluid. *Tohoku J Exp Med.* 2007 Feb;211(2):181-6. PubMed PMID: 17287602.

27: Kose KC, Kuru I, Maralcan G, Altinel L. Comparison of a technique using a new percutaneous osteosynthesis device with conventional open surgery for displaced patella fractures. *J Orthop Trauma.* 2007 Jan;21(1):77-8; author reply 78. PubMed PMID: 17211276.

28: Altinel L, Kaya E, Kose KC, Fidan F, Ergan V, Fidan H. Effect of shed blood retransfusion on pulmonary perfusion after total knee arthroplasty: a prospective controlled study. *Int Orthop*. 2007 Dec;31(6):837-44. Epub 2006 Nov 4. PubMed PMID: 17115155; PubMed Central PMCID: PMC2266671.

29: Cebesoy O, Altinel L. Rare case of intraosseous lipoma with proximal femoral localization causing cortical expansion. *J Natl Med Assoc*. 2006 Oct;98(10):1702-4. PubMed PMID: 17052067; PubMed Central PMCID: PMC2569748.

30: Köse KC, Cebesoy O, Akan B, Altinel L, Dinçer D, Yazar T. Functional results of vertebral augmentation techniques in pathological vertebral fractures of myelomatous patients. *J Natl Med Assoc*. 2006 Oct;98(10):1654-8. PubMed PMID: 17052058; PubMed Central PMCID: PMC2569744.

31: Bozan ME, Altinel L, Kuru I, Maralcan G, Acar M, Durmaz H. Factors that affect the healing index of metacarpal lengthening: a retrospective study. *J Orthop Surg (Hong Kong)*. 2006 Aug;14(2):167-71. PubMed PMID: 16914782.

32: Kose KC, Cebesoy O, Altinel L. HO prevention and the combined therapeutic protocol--do we really need it? *Int Orthop*. 2007 Feb;31(1):133-4. Epub 2006 Aug 10. PubMed PMID: 16900355; PubMed Central PMCID: PMC2267539.

33: Altinel L, Degirmenci B, Kose KC, Sahin O. Percutaneous resection of a patellar osteoid osteoma using a cannulated skin punch biopsy needle. *Arch OrthopTrauma Surg*. 2007 May;127(4):299-302. Epub 2006 Feb 9. PubMed PMID: 16468048.

34: Kose KC, Altinel L, Ergan V, Cebesoy O. Treatment of distal radius fractures: the title or the conclusion? *Arch Orthop Trauma Surg*. 2006 Mar;126(2):138-9; author reply 140. PubMed PMID: 16411122.

35: Kose KC, Altinel L, Cebesoy O, Ergan V. Impregnation of cancellous bone to treat infected nonunions: promising technique with insufficient data. *Arch OrthopTrauma Surg*. 2006 Mar;126(2):141-2; author reply 143-4. PubMed PMID: 16411120.

36: Altinel L, Bozan ME, Yürümez Y, Demirel R, Yavuz Y. [A survey on knowledge, attitude, and practice of emergency department practitioners in musculoskeletal injuries]. *Acta Orthop Traumatol Turc*. 2005;39(4):345-50.

Turkish. PubMed PMID:16269883.

37: Maralcan G, Kuru I, Aydin UY, Altinel L, Bozan ME, Ellidokuz H. [The prevalence of orthopedic disabilities in the district of Cay, Afyon, Turkey]. *Acta Orthop Traumatol Turc.* 2004;38(5):343-7. Turkish. PubMed PMID: 15724116.

38: Demirhan M, Kilicoglu O, Altinel L, Eralp L, Akalin Y. Prognostic factors in prosthetic replacement for acute proximal humerus fractures. *J Orthop Trauma.* 2003 Mar;17(3):181-8; discussion 188-9. PubMed PMID: 12621257.

39: Baldik Y, Talu U, Altinel L, Bilge H, Demiryont M, Aykac-Toker G. Bone healing regulated by nitric oxide: an experimental study in rats. *Clin Orthop Relat Res.* 2002 Nov;(404):343-52. PubMed PMID: 12439279.

40: Aşik M, Eralp L, Altinel L, Cetik O. Localized pigmented villonodular synovitis of the knee. *Arthroscopy.* 2001 Jul;17(6):E23. PubMed PMID: 11447562.

41: Aşik M, Eralp L, Cetik O, Altinel L. Rice bodies of synovial origin in the knee joint. *Arthroscopy.* 2001 May;17(5):E19. PubMed PMID: 11337706.