**Egemen Ayhan
MD, Assoc. Prof.**

**Hand Surgery and Reconstructive Microsurgery – Orthopedics and Traumatology**

**European Board of Hand Surgery (FEBHS)**

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**Certification and Licensure**

* European Board of Hand Surgery (FEBHS) Diploma 2018
* Turkish Orthopedics and Traumatology Certificate of Proficiency 2011

 Recertification 2021

**Education and Medical Training**

**ASSH International Traveling Fellow:** 25 September – 13 October 2023

Visits to Washington University in St. Louis, Vanderbilt University (Nashville), Penn Medicine (Philadelphia), and the Hospital for Special Surgery (New York).

**Visiting Fellow:** Institut de la Main, Clinique Jouvenet, Paris, France

 Supervisor: C. Mathoulin March 2016

**Fellowship:** Mersin University, Orthopedics and Traumatology,

 Hand, Upper Extremity, and Microsurgery, Mersin Feb 2014 - May 2016

 (FESSH Accredited Hand Trauma Center, 2015-2018)

**Residency:** Istanbul University, Cerrahpasa School of Medicine

Orthopedics and Traumatology 2004 - 2009

**Medical School:** Istanbul University, Cerrahpasa School of Medicine (English Program) 1998 - 2004

**Honors and Awards**

* **First prize for the best oral presentation**, 18. National Turkish Hand and Upper Extremity Surgery Congress, May 25-28, 2023, Eskisehir.
	+ “Cevik K, **Ayhan E**. Reconstruction basics for rare congenital hand anomalies.”
* **2022 PRS Global Open Best Paper Award for the “Best Hand Paper”**
	+ **Ayhan E**, Tuna Z, Oksuz C. Getting Better Results in Flexor Tendon Surgery and Therapy. Plast Reconstr Surg Glob Open. 2021;9(2):e3432.
* **First prize for the best oral presentation**, 31. Turkish National Orthopedics and Traumatology Congress, October 25-30, 2022
	+ Akar Z, Ayhan Kuru C, Namaldı S, **Ayhan E**, Kuru I. Investigation of the Effect of Rehabilitation in Triangular Fibrocartilage Complex Injury on the Evaluation Parameters of Individuals According to Pain Levels.
* **One of the three best examination of candidates from Eastern Europe**, 2018
	+ European Board of Hand Surgery Examination
* **Visiting fellow**, 2016 awardee of FESSH travel award
	+ Institut de la Main, Clinique Jouvenet, Paris
* **Third prize for the best poster presentation**,13th EFSM Congress, 2016
	+ Çelik V, **Ayhan E**, Eskandari MM, Şahutoğlu MG, Bağır M. Analysis of the upper extremity trauma patients who required vascular anastomosis. Abstract Book, 2016, 156, Antalya, Turkey.
* **Study encouragement award**, TOTBID Sports and Trauma Branch Office, 2010
	+ Kesmezacar H, **Ayhan E**, Unlu MC, Seker A, Karaca S. Predictors of mortality in elderly patients with an intertrochanteric or a femoral neck fracture. J Trauma. 2010 Jan;68(1):153-8.
* **Third prize for the best oral presentation**, 40. Turkish Pediatrics Congress, 2004
	+ Yıldırım Y, Yılmaz S, **Ayhan E**, Saygı S, Yanaral F, Zubarioğlu UA, Kasapçopur Ö, Arısoy N. The Frequency of Joint Hypermobility in Healthy Turkish Children. Abstract Book, 2004;334(S34).

**Memberships and Associations**

* Emergency Hand Care and Microsurgery Society Ex-Com Member 2023 - present
* Hand and Microsurgery Journal, Associated Editor 2022 - present
* National Pediatric Orthopedics Society, Upper Limb Council 2022 - present
* National Reconstructive Microsurgery Society Vice President 2022 - present
* National Reconstructive Microsurgery Society Ex-Com Member 2021 - 2022
* FESSH Communication Committee Member 2017 - present
* Editor at Walant.Surgery website - For all your Wide Awake needs 2017 - present
* Turkish Society for Surgery of the Hand and Upper Extremity
* Turkish Society of Orthopaedics and Traumatology
* Turkish Orthopaedics and Traumatology Education Council
* Constitutive member, past vice-president (2001 - 2002), and past president (2002 - 2003) of Students’ Scientific Research Club, Cerrahpasa Medical Faculty, Istanbul University.

**Publications**

**Journal Articles**

1. Karaahmet ÖZ, **Ayhan E**, Tombak Yıldızkan Y, Umay E. Concurrent Carpal Tunnel Syndrome and Recurrent Motor Branch of the Median Nerve Compression: A Diagnostic Complexity. J Clin Neuromuscul Dis. 2024 Mar 1;25(3):148-150. doi: 10.1097/CND.0000000000000474. PMID: 38441934.
2. **Ayhan E**, Cimilli E, Cevik K. Pinch strength analyses in lacertus syndrome. Hand Surg Rehabil. 2023;42(4):305-309.
3. Arslan ÖB, Şahin Y, Sığırtmaç İC, Yildiz B, **Ayhan E**, Öksüz Ç. Use of relative motion orthoses from the perspective of hand-injured patients: A qualitative study [published online ahead of print, 2023 Apr 8]. J Hand Ther. 2023;S0894-1130(23)00005-4. doi:10.1016/j.jht.2023.02.003
4. **Ayhan E**, Arslan OB, Cevik K, Oksüz C. Relative Motion Extension Splint after Extensor Tendon Reconstruction [published online ahead of print, 2023 March 31]. J Hand Microsurg. doi: 10.1055/s-0043-1761222
5. Arslan ÖB, Sığırtmaç İC, Ayvalı C, Baş CE, **Ayhan E**, Bilgin SS, Öksüz Ç. The Use of Relative Motion Flexion Orthoses for Chronic Boutonniere Deformity [published online ahead of print, 2022 Oct 3]. J Hand Surg Am. 2022;S0363-5023(22)00464-6. doi:10.1016/j.jhsa.2022.08.007
6. Witt P, **Ayhan E**, Hagert E, Naqui Z. The global FESSH green survey: sustainability in hand surgery. J Hand Surg Eur Vol. 2022 Oct;47(9):983-986. doi: 10.1177/17531934221118658.
7. **Ayhan E**, Cevik K. Triggering Thumb Is Not Always a Trigger Thumb. Journal of Hand Surgery Global Online. 2022, https://doi.org/10.1016/j.jhsg.2022.04.004.
8. Bas CE, **Ayhan** **E**, Kunu O, Ayhan Kuru C. Successful Boutonniere Reconstruction With Wide-Awake Local Anesthesia No Tourniquet. Journal of Hand Surgery Global Online. 2022, https://doi.org/10.1016/j.jhsg.2022.05.001.
9. Öksüz Ç, Arslan ÖB, Baş CE, **Ayhan E**. Early active movement with relative motion flexion splint for the management of zone 1-2 flexor tendon repairs: Case series [published online ahead of print, 2022 May 8]. Physiother Theory Pract. 2022;1-7.
10. Kuru CA, Uysal O, Karaca NB, Akar Z, **Ayhan E**, Kuru I. Responsiveness and Validity of Weight-Bearing Test for Measuring Loading Capacity in Patients With Triangular Fibrocartilage Complex Injury [published online ahead of print, 2022 Apr 23]. J Sport Rehabil. 2022;1-9.
11. **Ayhan E**, Arslan BO, Bas CE, Kunu O, Oksuz C. Relative Motion Flexion Splint to Increase Proximal Interphalangeal Joint Extension. Hand Microsurg 2022;11:38-44.
12. Goncu Ayhan S, **Ayhan E**, Çaglar AT, Sahin D. Ultrasonography for carpal tunnel syndrome in pregnancy: a prospective cross-sectional study. J Obstet Gynaecol. 2022 Aug;42(6):1769-1774.
13. Tuna Z, **Ayhan** **E**. Wide-Awake Hand Surgery Experience in Patients 10 to 18 Years of Age, Journal of Hand Surgery Global Online, 2022, https://doi.org/10.1016/j.jhsg.2022.02.003.
14. Kuzucu Y, **Ayhan** **E**, Tuna Z, Ersan O. Zone 1-2 flexor tendon repair results with WALANT. Hand Microsurg 2021;10:219-226.
15. Akdag T, Turan A, **Ayhan E**, Bas CE, Hekimoğlu B. de Quervain's Tenosynovitis and Radial Styloid Osseous Changes. Indian J Orthop. 2021;56(4):628-633.
16. Lalonde D, **Ayhan E**, Ahmad AA, Koehler S. Important updates of finger fractures, entrapment neuropathies and wide-awake surgery of the upper extremity. J Hand Surg Eur Vol. 2022;47(1):24-30.
17. **Ayhan E,** Naqui Z. A survey about preferences of future FESSH congresses: virtual, in-person, or hybrid. J Hand Surg Eur Vol. 2021;46(10):1127-1129**.**
18. **Ayhan E**, Baş CE, Çevik K. Biomechanics of the distal radioulnar joint. TOTBID Journal. 2021;20:380–386.
19. **Ayhan E.** Reply: Patients' Perspective on Carpal Tunnel Release with WALANT or Intravenous Regional Anesthesia. Plast Reconstr Surg. 2021 May 1;147(5):888e-889e.
20. **Ayhan E**, Kuzucu Y, Aslaner EE, Tuna Z. Evaluating Stack Splint Use for Mallet Finger. J Hand Surg Asian Pac Vol. 2021 Mar;26(1):47-51.
21. **Ayhan E**, Tuna Z, Oksuz C. Getting Better Results in Flexor Tendon Surgery and Therapy. Plast Reconstr Surg Glob Open. 2021 Feb 18;9(2):e3432.
22. Cesim ÖB, **Ayhan E**, Baş CE, Öksüz Ç. Use of relative motion splint in extensor mechanism repairs: a retrospective case series. Hand Surg Rehabil. 2021 Feb;40(1):81-86.
23. **Ayhan E**, Uysal O, Tıkman M, Ayhan C. Wide Awake Local Anesthesia No Tourniquet (WALANT) - Turkish Patients' Perspective. Hand Microsurg. 2020; 9(2): 81-85.
24. **Ayhan E,** Çevik K, Çelik V, Eskandari MM. Patient satisfaction after innervated digital artery perforator flap. Acta Orthop Traumatol Turc 2020; 54(3): 269-75.
25. **Ayhan E**, Akaslan F. Patients' Perspective on Carpal Tunnel Release with WALANT or Intravenous Regional Anesthesia. Plast Reconstr Surg. 2020 May;145(5):1197-1203.
26. **Ayhan E**, Soldado F, Fontecha CG, Bertelli JA, Leblebicioglu G. Elbow flexion reconstruction with nerve transfer or grafting in patients with brachial plexus injuries: A systematic review and comparison study. Microsurgery. 2020 Jan;40(1):79-86.
27. Karacif O, Turan A, Özdemir M, **Ayhan E**. Magnetic resonance imaging of hypothenar hammer syndrome: Case series. Ann Clin Anal Med 2019;10(6): 761-4.
28. **Ayhan E**, Ciftaslan A, Bagir M, Eskandari MM. Does the patient satisfaction correlate with sensorial recovery after primary repair of digital nerves and flexor tendons? Turk J Plast Surg 2019;27:73-6.
29. Tuna Z, **Ayhan E**. Potential clinical benefits of wide-awake hand surgery from the therapist's perspective. Hand Surg Rehabil. 2019 Apr;38(2):139.
30. Tang JB, Xing SG, **Ayhan E**, Hediger S, Huang S. Impact of Wide-Awake Local Anesthesia No Tourniquet on Departmental Settings, Cost, Patient and Surgeon Satisfaction, and Beyond. Hand Clin. 2019 Feb;35(1):29-34.
31. **Ayhan E**, Ozdemir E, Gumusoglu E, Cevik K, Eskandari MM. The rise of wide awake hand surgery – Contribution from Turkey. Hand Microsurg. 2018; 7(3): 125-134.
32. **Ayhan E**, Kibar B, Gunturk OB, Bagir M, Selimoglu MN, Uysal MA. Hand Surgeon - To be or not to be? That is the question. Compulsory Health Service Experience of Hand Surgery in Turkey. Hand Microsurg. 2018; 7(2): 83-87.
33. **Ayhan E**, Çevik K, Bağır M, Çolak M, Eskandari MM. Spiked railing penetration that causes injuries in the upper extremities of children. Turkish Journal of Trauma and Emergency Surgery. 2018 Mar;24(2):145-148.
34. Yıldırım E, **Ayhan E**, Kaynak G, Kantarcı F, Kesmezacar H, Babacan M. Re-Tears after Surgically Treated Rotator Cuff Tears: What about the Clinical Outcome? ARC J Orthop. 2016;1(2):15-23.
35. Ertan S, **Ayhan E**, Güven MF, Kesmezacar H, Akgün K, Babacan M. Medium-term natural history of subacromial impingement syndrome. J Shoulder Elbow Surg. 2015 Oct;24(10):1512-8.
36. Karaman O, **Ayhan E**, Kesmezacar H, Seker A, Unlu MC, Aydingoz O. Rotational malalignment after closed intramedullary nailing of femoral shaft fractures and its influence on daily life. Eur J Orthop Surg Traumatol. 2014 Oct;24(7):1243-7.
37. **Ayhan E**, Kesmezacar H, Akgun I. Intraarticular injections (corticosteroid, hyaluronic acid, platelet rich plasma) for the knee osteoarthritis. World J Orthop. 2014 Jul 18;5(3):351-61.
38. Haklar U, **Ayhan E**, Ustundag S, Canbora K. A new arthroscopic technique for lateral parameniscal cyst decompression. Knee. 2014 Jan;21(1):126-8.
39. **Ayhan E**, Kesmezacar H, Karaman O, Sahin A, Kır N. Bipolar or unipolar hemiarthroplasty after femoral neck fracture in the geriatric population. Balkan Med J. 2013 Dec;30(4):400-5.
40. Uzun M, **Ayhan E**, Beksac B, Karaman O. Regional migratory osteoporosis and transient osteoporosis of the hip: are they all the same? Clin Rheumatol. 2013 Jun;32(6):919-23..
41. Karaca S, **Ayhan E**, Kesmezacar H, Uysal O. Hip fracture mortality: is it affected by anesthesia techniques? Anesthesiol Res Pract. 2012;2012:708754.
42. Ogut T, **Ayhan E**, Kantarci F, Unlu MC, Salih M. Medial fracture line significance in calcaneus fracture. J Foot Ankle Surg. 2011 Sep-Oct;50(5):517-21.
43. **Ayhan E**. Sinus Tarsi Artery - Reply. J Foot Ankle Surg. 2011 Nov;50(6):786.
44. Ogut T, **Ayhan E**, Irgit K, Sarikaya AI. Endoscopic treatment of posterior ankle pain. Knee Surg Sports Traumatol Arthrosc. 2011, Aug;19(8):1355-61.
45. Ogut T, **Ayhan E**. Hindfoot endoscopy for accessory flexor digitorum longus and flexor hallucis longus tenosynovitis. Foot Ankle Surg. 2011 Mar;17(1):e7-9.
46. Kesmezacar H, **Ayhan E**, Unlu MC, Seker A, Karaca S. Predictors of mortality in elderly patients with an intertrochanteric or a femoral neck fracture. J Trauma. 2010 Jan;68(1):153-8.
47. Kesmezacar H, **Ayhan E**. Omuzda avasküler nekroz: Patogenez ve tedavi. TOTBİD dergisi, 2010; 9:24-34.
48. Yıldırım Y, Yılmaz S, **Ayhan E**, Saygı S, Yanaral F, Zubarioğlu UA, Kasapçopur Ö, Arısoy N. Sağlıklı okul çocuklarında eklem hipermobilitesi sıklığı. Türk Pediatri Arşivi Haziran 2005;40(2):83-86.

**Book Chapters**

1. Leblebicioğlu G, **Ayhan E.** Peripheral Nerve Physiology. In: Şahin V (Ed.), *Ortopedi ve Travmatoloji, 1. Cilt.* Güneş Tıp Kitabevleri, Ankara, Türkiye. 2022: 49-56. *Turkish.*
2. Lalonde DH, **Ayhan E**. Finger and Ray Amputation. In: Lalonde DH (Ed.), *Wide Awake Hand Surgery and Therapy Tips. 2nd edition.* Thieme, New York, NY 10001, USA. 2022: 351-356.
3. Tang JB, Xing SG, Wong J, Higgins A, Flewelling L, **Ayhan E,** et al. Flexor Tendon Repair of the Finger. In: Lalonde DH (Ed.), *Wide Awake Hand Surgery and Therapy Tips. 2nd edition.* Thieme, New York, NY 10001, USA. 2022: 155-176.
4. Lalonde DH, **Ayhan E,** Gueffier X,et al. Extensor Tendon Repair of the Finger (Zone 1 Mallet to Zone 5 MP Joint). In: Lalonde DH (Ed.), *Wide Awake Hand Surgery and Therapy Tips. 2nd edition.* Thieme, New York, NY 10001, USA. 2022: 183-196.
5. Lalonde DH, **Ayhan E,** Ahmad AA,et al. Tendon Transfers. In: Lalonde DH (Ed.), *Wide Awake Hand Surgery and Therapy Tips. 2nd edition.* Thieme, New York, NY 10001, USA. 2022: 209-216.
6. Lalonde DH, **Ayhan E,** Wong A,et al. Tendon Grafts and Pulley Reconstruction. In: Lalonde DH (Ed.), *Wide Awake Hand Surgery and Therapy Tips. 2nd edition.* Thieme, New York, NY 10001, USA. 2022: 217-224.
7. Hagert E, Lalonde DH, **Ayhan E,** et al. Lacertus Syndrome: Median Nerve Release at the Elbow. In: Lalonde DH (Ed.), *Wide Awake Hand Surgery and Therapy Tips. 2nd edition.* Thieme, New York, NY 10001, USA. 2022: 241-246.
8. Xing SG, Tang JB, Hsu C, Wong J, **Ayhan E,** Gueffier X. Flap Harvest and Transfer in the Hand. In: Lalonde DH (Ed.), *Wide Awake Hand Surgery and Therapy Tips. 2nd edition.* Thieme, New York, NY 10001, USA. 2022: 271-278.
9. Mayich DJ, Ahmad AA, Chen CC, Rafiqi K, MacNeill L, **Ayhan E,** Lalonde DH. Foot and Ankle Fractures and Surgery. In: Lalonde DH (Ed.), *Wide Awake Hand Surgery and Therapy Tips. 2nd edition.* Thieme, New York, NY 10001, USA. 2022: 387-408.
10. **Ayhan E**, Ayhan Ç. Kinesiology of the Elbow Complex. In: Angin S, Simsek IE (Eds.), *Comparative Kinesiology of the Human Body. Normal and Pathological Conditions.* Academic Press, London, United Kingdom. 2020: 191-210.
11. Ayhan Ç, **Ayhan E**. Kinesiology of the Wrist and the Hand. In: Angin S, Simsek IE (Eds.), *Comparative Kinesiology of the Human Body. Normal and Pathological Conditions.* Academic Press, London, United Kingdom. 2020: 211-282.
12. **Ayhan E**, Kesmezacar H. Elbow joint anatomy and biomechanics. In: Karahan M, (Ed.), *Takım Doktoru Olarak Spor Ortopedisti.* Eflal Matbaacılık, Ankara, 2018: 151-157. *Turkish.*
13. Leblebicioglu G, **Ayhan E**, Firat T. Fractures in the Paralytic Extremity. In: Richter M, Boeckstyns MEH (Eds.), *Fractures of Hand and Carpus. FESSH 2018 Instructional Course Book.* Georg Thieme Verlag Kg, Stutgart, Germany. 2018: 101-107.
14. Leblebicioglu G, **Ayhan E**. Basic Concepts. In: Giddins G, Leblebicioglu G (Eds.), *Evidence Based Hand Surgery and Therapy. FESSH Instructional Course Book.* Budapest, 2017: 3-21.
15. Soldado F, **Ayhan E,** FontechaCG,Bertelli JA, Leblebicioglu G. Comparison of Outcomes Following Nerve Transfers versus Nerve Grafting. A Systematic Review of Individual Participant Data for Restoration of Elbow Flexion after Adult Brachial Plexus Injuries. In: Giddins G, Leblebicioglu G (Eds.), *Evidence Based Hand Surgery and Therapy. FESSH Instructional Course Book.* Budapest, 2017: 491-534.
16. **Ayhan E**, Bağır M, Eskandari MM, Öztuna FV. Peripheral Nerve Injury Models. In: Öztuna FV (Ed.), *Ortopedi ve Travmatolojide Deneysel Hayvan Modelleri.* Bayt Bilimsel Araştırmalar Basın Yayın ve Tanıtım Ltd. Şti., Ankara. 2015: 193-212. *Turkish.*
17. Haklar U, **Ayhan E**, Ulku TK, Karaoglu S. Arthrofibrosis of the Knee. In: Doral MN, Karlsson J (Eds.), *Sports Injuries: Prevention, Diagnosis, Treatment and Rehabilitation.* *2nd edition.* Springer Berlin Heidelberg. 2015: 915-931.
18. Haklar U, Ulku TK, **Ayhan E**. Arthroscopic Repair of the Meniscus Tears. In: Doral MN, Karlsson J (Eds.), *Sports Injuries: Prevention, Diagnosis, Treatment and Rehabilitation. 2nd edition.* Springer Berlin Heidelberg. 2015: 951-964.
19. Kesmezacar H, Aksu N, **Ayhan E**. Shoulder arthroplasty in posttraumatic malunions and nonunions. In: Özbaydar MU (Ed.), *Omuz ve dirsek artroplastileri.* Kare yayıncılık, İstanbul. 2014: 55-64. *Turkish.*
20. Kesmezacar H., **Ayhan E.** Shoulder and elbow fracture dislocations. In: Kesmezacar H (Ed.), *Omuz ve Dirsek Bölgesi Kırık ve Çıkıkları.* Bayçınar Tıbbi yayıncılık ve Reklam Hizmetleri, İstanbul. 2010:1-9. *Turkish.*

**Oral Presentations and Posters**

1. **Ayhan E**, Arslan L, Kovalak E. 2023 Turkey Syria Earthquakes - Hand Surgeon Perspectives. 78th Annual Meeting of the American Society for Surgery of the Hand, 5-7 October, 2023, Toronto, Ontario, Canada.
2. Arslan OB, Sahin Y, Sigirtmac IC, Yildiz B, **Ayhan E**, Oksuz C. Use of Relative Motion Orthoses from the Perspective of Individuals with Hand Injuries. Abstract book, page 122, FESSH – EFSHT 2023 Congress. 10-13 May 2023, Rimini, Italy.
3. Emir-Tuna Z, Gungor S, Cevik K, **Ayhan E**. Telerehabilitation versus in-person hand therapy after flexor tendon repairs: a preliminary comparison study. Abstract book, page 135, FESSH – EFSHT 2023 Congress. 10-13 May 2023, Rimini, Italy.
4. Tuna Z, **Ayhan E**. Tele-rehabilitation for flexor tendon repairs: preliminary results of seven cases. IFSSH, IFSHT & FESSH Combined Congress London 2022. 6 – 10 June, 2022. J Hand Surg Eur Vol. 2022, 47(Supplement 1): 422.
5. Arslan OB, Sigirtmac IC, Ayvali C, Bas CE, **Ayhan E**, Bilgin SS, Oksuz C. The Use of Relative Motion Flexion Orthosis for Chronic Boutonniere Deformity. IFSSH, IFSHT & FESSH Combined Congress London 2022. 6 – 10 June, 2022. J Hand Surg Eur Vol. 2022, 47(Supplement 1): 299.
6. Tuna Z, **Ayhan E**. Remote hand therapy amid the COVID-19 pandemic. FESSH 2021 Congress, FESSH-ON(line) Week 2021. 16th–19th June 2021.
7. Tuna Z, **Ayhan E**. Wide-Awake Hand Surgery Experience in 10 to 18 Years of Age. FESSH-ON(LINE) WEEK 2021. 16th–19th June 2021. J Hand Surg Eur Vol. 2021, 46(Supplement 2): 22.
8. **Ayhan E**, Cimilli E. Complex regional pain syndrome - Better to be sceptical. 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
9. **Ayhan E**, Cesim OB, Bas CE, Kunu O, Oksuz C. Relative motion flexion orthosis for various conditions with proximal ınterphalangeal joint extension lag. 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
10. Bas CE, **Ayhan E**, Kunu O, Ayhan C. Modified Snow technique with walant for central slip injury. 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
11. Kuzucu Y, **Ayhan E**, Tuna Z, Ersan O. Up-to-date approach in zones 1 and 2 flexor tendon repair. 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
12. Cesim OB, **Ayhan E**, Bas CE, Oksuz C. Postoperative Management of Flexor Tendon Repairs in zone I/II with Relative Motion Flexion Splint. 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
13. Namaldi S, Ayhan C, **Ayhan E**, Hayran KM. 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
14. Cesim OB, Sigirtmac IC, **Ayhan E**, Bas CE, Oksuz C. Use of Relative Motion Splint in Extensor Apparatus Repairs. 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
15. **Ayhan E**, Cimilli E. Lacertus Syndrome 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
16. **Ayhan E**, Akaslan F. WALANT or Bier Block? A Prospective Cohort Study for Patients' Perspective on Anesthesia Type for Carpal Tunnel Surgery. 14th IFSSH - 11thIFSHT Triennial Congress, Combined FESSH Congress Abstract Book. 2019; 793.
17. **Ayhan E**, Kuzucu Y, Aslaner EE, Tuna Z. Mallet Finger Splinting - No Skin Irritation, No PIP Stiffness. 14th IFSSH - 11thIFSHT Triennial Congress, Combined FESSH Congress Abstract Book. 2019; 797.
18. Apard T, Costil V, **Ayhan E**. Late primary FDP tendon repair under walant. 14th IFSSH - 11thIFSHT Triennial Congress, Combined FESSH Congress Abstract Book. 2019; 359.
19. Tuna Z, Guroz AN, **Ayhan E**. Wide-Awake versus General Anesthesia Results in Patients with Dupuytren's Disease Surgery: Preliminary Results. 14th IFSSH - 11thIFSHT Triennial Congress, Combined FESSH Congress Abstract Book. 2019; 1274.
20. **Ayhan E**, Guroz AN, Tuna Z. Union in Scaphoid Fractures: Single versus Double Screw Fixation. 14th IFSSH - 11thIFSHT Triennial Congress, Combined FESSH Congress Abstract Book. 2019; 1419.
21. Yildiz B, Cesim OB, **Ayhan E**, Oksuz C. The effectiveness of Relative Motion Splint in Closed Boutonniere Deformity: Case Report. International Congress on Occupational Accidents, Hand Injuries and Amputations, Congress book, 2019, 258-259, Istanbul, Turkey.
22. Cesim OB, SığırtmaçIC, **Ayhan E**, Oksuz C. Use of Relative Motion Splint in Zone 5 and Zone 7 Extensor Tendon Injury: Case Report. International Congress on Occupational Accidents, Hand Injuries and Amputations, Congress book, 2019, 261-263, Istanbul, Turkey.
23. **Ayhan E**, Akaslan F. WALANT or Bier Block? A Prospective Cohort Study for Patients’ Perspective on Anesthesia Type for Carpal Tunnel Surgery. XVI. National Congress of the Turkish Hand and Upper Extremity Society, May 06-09, 2018, Pamukkale, Denizli, Turkey. Hand Microsurg. 2018; 7(Suppl 1): 34.
24. **Ayhan E,** Kibar B, Güntürk ÖB, Bağır M, Selimoğlu MN, Uysal MA. Hand Surgeon - To be or not to be? That is the question. Compulsory Health Service Experience of Hand Surgery in Turkey. XVI. National Congress of the Turkish Hand and Upper Extremity Society, May 06-09, 2018, Pamukkale, Denizli, Turkey. Hand Microsurg. 2018; 7(Suppl 1): 51.
25. Gürgün E, Ayhan Ç, **Ayhan E**, Uysal Ö, Demir KR, Tunç Y. Wide awake hand surgery for proximal phalanx fractures treatment. Proksimal Falanks Kırıklarında Wide Awake Cerrahi. XVI. National Congress of the Turkish Hand and Upper Extremity Society, May 06-09, 2018, Pamukkale, Denizli, Turkey. Hand Microsurg. 2018; 7(Suppl 1): 17.
26. **Ayhan E**, Gumusoglu E, Cevik K, Ozdemir E, Eskandari MM. Wide awake hand surgery. FESSH abstracts. J Hand Surg Eur Vol. 2017 Jun;42(1\_suppl):S99.
27. **Ayhan E**, Cevik K, Celik V, Eskandari MM. Innervated Digital Artery Perforator Flap. XXII. FESSH Congress & XII. EFSHT Congress, June 21 – 24, 2017, Budapest, Hungary.
28. **Ayhan** **E**, Cevik K, Celik V, Eskandari MM. Pulp Reconstruction with Innervated Digital Artery Perforator Flap. XXVI. Turkish National Congress of Orthopaedics and Traumatology, Acta Orthop Traumatol Turc Supplementum-I, Abstract Book, 2016, 42, Antalya, Turkey.
29. **Ayhan E**, Gumusoglu E, Cevik K, Ozdemir E, Eskandari MM. Wide Awake Local Anesthesia No Tourniquet Hand Surgery. XXVI. Turkish National Congress of Orthopaedics and Traumatology, Acta Orthop Traumatol Turc Supplementum-I, Abstract Book, 2016, 45, Antalya, Turkey.
30. Celik V, Cevik K, **Ayhan E**, Bagir M, Eskandari MM. Analysis of Factors in regards to Tendon Injuries of Hand and Wrist. XXVI. Turkish National Congress of Orthopaedics and Traumatology, Acta Orthop Traumatol Turc Supplementum-I, Abstract Book, 2016, 45, Antalya, Turkey.
31. Ozdemir E, **Ayhan E**, Celik V, Eskandari MM, Bagir M. Analysis of the patients that required peripheral nerve reconstruction using a nerve graft substitute. 13th EFSM Congress, Abstract Book, 2016, 53, Antalya, Turkey.
32. Celik V, **Ayhan E**, Eskandari MM, Sahutoglu MG, Bagir M. Analysis of the upper extremity trauma patients who required vascular anastomosis. 13th EFSM Congress, Abstract Book, 2016, 156, Antalya, Turkey. **(Third prize – Best poster presentation)**
33. **Ayhan E**, Bagir M, Avşaroglu E, Cakır D, Eskandari MM. Teaching microsurgery to undergraduate medical students: Is that applicable? XXV. Turkish National Congress of Orthopaedics and Traumatology, Acta Orthop Traumatol Turc Supplementum-I, 2015, 174-175, Antalya, Turkey.
34. **Ayhan E**, Cevik K, Bagir M, Colak M, Eskandari MM. Iron railings penetrating injury of upper extremity during childhood. XXV. Turkish National Congress of Orthopaedics and Traumatology, Acta Orthop Traumatol Turc Supplementum-I, 2015, 163-164, Antalya, Turkey.
35. Bagir M, **Ayhan E**, Colak M, Ayan I, Eskandari MM. A unique case of wrist fracture-dislocation. XXV. Turkish National Congress of Orthopaedics and Traumatology, Acta Orthop Traumatol Turc Supplementum-I, 2015, 163, Antalya, Turkey.
36. Bagir M, **Ayhan E**, Colak M, Ayan I, Eskandari MM. Do the grasping force of the patients are affected after surgical release for carpal tunnel syndrome? XIV. Turkish National Congress of Hand and Upper Extremity Surgery, May 15 - 18, 2014, Bursa, Turkey.
37. Ozdemir E, Bagir M, **Ayhan E**, Colak M, Ayan I, Eskandari MM. The relation between the change in treatment modality for distal radial fractures and the instability criteria. XIV. Turkish National Congress of Hand and Upper Extremity Surgery, May 15 - 18, 2014, Bursa, Turkey.
38. Bagir M, Gedikoglu E, Ayan I, Colak M, **Ayhan E**, Eskandari MM. The early results of volar vascularized bone grafting for scaphoid nonunion. XIV. Turkish National Congress of Hand and Upper Extremity Surgery, May 15 - 18, 2014, Bursa, Turkey.
39. **Ayhan E**, Bagir M, Colak M, Eskandari MM, Ayan I. Factors affecting the outcome of the patients after primary repair of digital nerves. XIV. Turkish National Congress of Hand and Upper Extremity Surgery, May 15 - 18, 2014, Bursa, Turkey.
40. Karaman O, **Ayhan E**, Kesmezacar H, Unlu MC, Seker A, Aydingoz O. Rotational malalignment after femoral shaft fractures and its influence on daily life. Osteosynthese International 2013, February 14 - 17, 2013, Cesme, Izmir, Turkey.
41. Haklar U, **Ayhan E**, Sarioglu E. A new arthroscopic technique using intraarticular portal for lateral parameniscal cyst decompression. 15th ESSKA Congress May 2 - 5, 2012, Geneva, Switzerland.
42. **Ayhan E**, Ustundag S, Ogut T. Hindfoot Endoscopy for Accessory Flexor Digitorum Longus Related Flexor Hallucis Longus Tenosynovitis. 26th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society, July 7 - 10, 2010 in National Harbor, Maryland.
43. **Ayhan E**, Ustundag S, Akın SM, Ogut T. Accessory Flexor Hallucis Longus Tendon Causing Flexor Hallucis Longus Tenosynovitis. Anatomist 2009 10th Congress of European Association of Clinical Anatomy. Surg Radiol Anat. 2009, Suppl:95-229:216.
44. **Ayhan E**, Karaman O, Unlu MC, Kesmezacar H, Akgün KI. Arthroscopic-Assisted Percutaneous Figure-of-Eight Tension Band Wiring of Patellar Fractures. 10th European Congress of Trauma and Emergency Surgery, 13 - 17 Mayıs 2009, Antalya.
45. Kesmezacar H, Sarıkaya AI, **Ayhan E**. The Results of Conservatively Treated Simple Elbow Dislocations. 10th European Congress of Trauma and Emergency Surgery, 13 - 17 Mayıs 2009, Antalya.
46. Kesmezacar H, Unlu MC, Seker A, **Ayhan E**. Outcomes of Intertrochanteric and Subtrochanteric Femoral Fractures Treated with Proximal Femoral Nailing Technique. 10th European Congress of Trauma and Emergency Surgery, 13 - 17 Mayıs 2009, Antalya.
47. Unlu MC, Centel T, Kesmezacar H, **Ayhan E**. Long term results of surgically treated displaced supracondylar humerus fractures. EPOS/IFPOS Combined Meeting. EPOS - 26th Annual Meeting. Sorrento, 11 - 14 April 2007. J Child Orthop 2007 (1):126.
48. Yıldırım Y, Yılmaz S, **Ayhan E**, Saygı S, Yanaral F, Zubarioglu UA, Kasapçopur Ö. The Frequency of Joint Hypermobility in Healthy Turkish Children. Clinical and Experimental Rheumatology 2004;22:541(181).
49. Yıldırım Y, Yılmaz S, **Ayhan E**, Saygı S, Yanaral F, Zubarioglu UA, Kasapçopur Ö. The Frequency of Joint Hypermobility in Healthy Turkish Children. Annals of the Rheumatic Diseases 2004;63(suppl 1):81(OP0078).

**Tutors and Conference Presentations**

1. “My best tips on taking your WALANT tendon transfers to the next level.” FESSH – EFSHT 2023 Congress. 10-13 May, 2023, Rimini, Italy.
2. “Turkish Society for surgery of the hand and upper extremity. Recent earthquakes, Hand surgeon perspectives.” FESSH – EFSHT 2023 Congress. 10-13 May, 2023, Rimini, Italy.
3. “Earthquake trauma management – Recent Turkey Experience”. Pulm Talks PULM#29b, 16 April, 2023, Session Presenter: Scott Kozin.
4. “Reconstruction of postburn hand deformity”. 16th Annual Conference of the Egyptian Society for Surgery of the Hand and Microsurgery (ESSHM). 22 – 24 February, 2023, Grand Nile Tower, Cairo, Egypt.
5. “Important Updates in Zone 2 flexor tendon injury and therapy”. 16th Annual Conference of the Egyptian Society for Surgery of the Hand and Microsurgery (ESSHM). 22 – 24 February, 2023, Grand Nile Tower, Cairo, Egypt.
6. “What is WALANT? How to apply in hand surgery?” Instructional Course 2, WALANT. 16th Annual Conference of the Egyptian Society for Surgery of the Hand and Microsurgery (ESSHM). 22 – 24 February, 2023, Grand Nile Tower, Cairo, Egypt.
7. “How to improve your results with WALANT?” Instructional Course 2, WALANT. 16th Annual Conference of the Egyptian Society for Surgery of the Hand and Microsurgery (ESSHM). 22 – 24 February, 2023, Grand Nile Tower, Cairo, Egypt.
8. *1st Advanced Microsurgery Course - Faculty.* 10 – 14 January, 2023, Yeni Yuzyil University, Gaziosmanpasa Hospital, Istanbul, Turkey.
9. *44th Basic Microsurgery Course - Faculty.* 22 – 26 November, 2022, Istanbul University Cerrahpasa, Istanbul, Turkey.
10. “Reconstruction of post burn deformities in the upper extremity”. 27th Joint Conference of the Hellenic Society for Reconstructive Microsurgery and the Hellenic Society for Surgery of the Hand, 10 – 12 November, 2022, Thessaloniki, Greece.
11. “Getting Better Results in Tendon Surgery with Wide Awake Hand Surgery (WALANT)”. 27th Joint Conference of the Hellenic Society for Reconstructive Microsurgery and the Hellenic Society for Surgery of the Hand, 10 – 12 November, 2022, Thessaloniki, Greece.
12. *42th Basic Microsurgery Course - Faculty.* May 31 – June 4, 2022, University of Health Sciences, Gulhane Training and Research Hospital, Ankara, Turkey.
13. “Wide Awake Hand Surgery (WALANT)”. 9. National Reconstructive Microsurgery Congress, 2. National Emergency Hand Care and Microsurgery Congress, May 18 – 21 2022, Bodrum, Mugla, Turkey.
14. “Nerve gap repair”. 9. National Reconstructive Microsurgery Congress, 2. National Emergency Hand Care and Microsurgery Congress, May 18 – 21 2022, Bodrum, Mugla, Turkey.
15. *41th Basic Microsurgery Course - Faculty.* April 19 – 23, 2022, Marmara University, Istanbul, Turkey.
16. “Local anesthetic administration with minimal pain in adults, adolescents, and pediatric patients”. Bungoma WALANT Course, 25th March, 2022, Bungoma, Kenya.
17. “Complex regional pain syndrome”, 16. Prof. Dr. Rıdvan Ege Advanced Hand Surgery Course, February 25 – 26, 2022, Ankara, Turkey.
18. “PIP Joint Chronic Fracture Dislocations”. 16. Prof. Dr. Rıdvan Ege Advanced Hand Surgery Course, February 25 – 26, 2022, Ankara, Turkey.
19. “WALANT how to build a fully equipped hand surgery service”. Walant Workshop at Coast General Teaching and Referral Hospital, 18th December 2021, Mombasa, Kenya.
20. “Surgery for Hand Osteoarthritis”. Hand Symposium in Romatologic Diseases, 23th October 2021, Gazi University, Ankara.
21. “How do we want to meet in the future? Results of the FESSH Virtual Survey”. “New innovations in Social Media - don’t allow your practice to fall behind” FESSH 2021 Congress – FESSH-ON-WEEK2021, Online, Switzerland, 16-19 Haziran 2021.
22. “Pathoanatomy in posttraumatic contractions of the elbow joint”. 1. Virtual TOTBID Congress, November 7 – 8, 2020.
23. “WALANT Transfers for Thumb Opposition”. Practical Details that Make Tendon and Nerve Transfers Successful – Touching Hands Webinar, American Society for Surgery of the Hand (ASSH), 7th November 2020.
24. “A Wide Awake World - How WALANT used SoME to Awaken the Planet”. FESSH Social Media Committee panel, Social Media: Powerful Tools for Hand Surgeons, 25th FESSH-EFSHT Congress - ‘Hands in the Heart of Europe’. FESSH - On (Line) – Week, Virtual Congress. 1-5 September, 2020.
25. *Precourse 09: WALANT 2.0 New Videos You Will Learn From - Faculty.* 74th Annual Meetıng of the ASSH September 5, 2019, Las Vegas, NV, USA.
26. *Hand Surgery in the Peripheral Regions of Turkey.* Middle Black Sea Regional Meeting, June 28-30, 2019, Amasya, Turkey.
27. *Basic Upper Extremity Anatomy.* Middle Black Sea Regional Meeting, June 28-30, 2019, Amasya, Turkey.
28. *Game of Platforms: Facebook v. Twitter v. Instagram v. LinkedIn. Debate which SoMe Platform is Best for the Modern Hand Surgeon.* FESSH SoMe Seminar. June 19, 2019, Berlin, Germany.
29. *Wide Awake Hand Surgery.* Flexor Tendon Zone II Injuries symposium, May 18, 2019, EMOT Hospital, Izmir, Turkey.
30. *Wide Awake Hand Surgery – WALANT.* April 8, 2019, Sanko University, Gaziantep, Turkey.
31. *Common surgical procedures of the hand and wrist, Cadaveric Course - Faculty.* March 9-10, 2019, Ankara University, Ankara, Turkey.
32. *Use of Antibiotics and Analgesics in Hand Surgery.* 13th Prof. Dr. Rıdvan Ege Basic Hand Surgery Course, December 7-8, 2018, University of Health Sciences, Metin Sabancı Baltalimani Osteopathic Training and Research Hospital, Istanbul, Turkey.
33. *Radius Distal Fractures – Late Complications, Malunion, Revision Surgery, Osteotomies, Discussion panel.* 28th National Congress of the Turkish Orthopaedics and Traumatology, October 30 – November 04, Antalya, Turkey.
34. *Tendon Repair – My Surgical Approach.* 10th International Congress of Prosthetics and Orthosis Congress, October 18-20, 2018, Ankara, Turkey.
35. *Up-to-Date Developments in Hand Surgery.* 2018-2019 Ankara Hand Surgery and Hand Therapy Meetings, September 26, 2018, Bayindir Sogutozu Hospital, Ankara, Turkey.
36. *Open panel discussion.* Social Media Seminar. XXIII. FESSH Congress. June 13-16, 2018, Copenhagen, Denmark.
37. *Nail plate injuries.* XVI. National Congress of the Turkish Hand and Upper Extremity Society, May 06-09, 2018, Pamukkale, Denizli, Turkey.
38. *Wide awake hand surgery.* V. National Hand Rehabilitation Congress, May 06-09, 2018, Pamukkale, Denizli, Turkey.
39. *Wide Awake Hand Surgery.* 2017-2018 Ankara Hand Surgery and Hand Therapy Meetings, January 24, 2018, Bayindir Sogutozu Hospital, Ankara, Turkey.
40. *Perionychial Injuries.* XII. Prof. Dr. Rıdvan Ege Basic Hand Surgery Course *- Faculty*, December 8-9, 2017, University of Health Sciences, Metin Sabancı Baltalimani Osteopathic Training and Research Hospital, Istanbul, Turkey.
41. *Methods.* Comparison of Outcomes Following Nerve Transfers versus Nerve Grafting. A Systematic Review of Individual Participant Data for Restoration of Elbow Flexion after Adult Brachial Plexus Injuries. XXII. FESSH Congress & XII. EFSHT Congress, Instructional Course. June 23, 2017, Budapest, Hungary.
42. *Compulsory Health Service Experience of Hand Surgery in Turkey.* 2016-2017 Ankara Hand Surgery Group Meetings, June 07, 2017. University of Health Sciences, Gulhane Training and Research Hospital, Ankara, Turkey, Ankara.
43. *Pitfalls in Distal Humerus Fractures.* 15th National Congress of the Turkish Hand and Upper Extremity Society, 4. National Hand Rehabilitation Congress, May 11-15, 2016, Fethiye, Mugla, Turkey.
44. *Surgical Approaches to Upper Extremity – Hands on Cadaveric Course - Faculty.* October 30-31, 2015, Akdeniz University School of Medicine, Antalya, Turkey.
45. *23th Basic Microsurgery Course - Faculty.* January 20-24, 2015, Cukurova University School of Medicine, Adana, Turkey.
46. *Tibotalocalcaneal arthrodesis - Faculty*. 8th Foot and Ankle Surgery Course, September 20-21, 2013, Istanbul Turkey.
47. *How to Avoid Complications of Elbow Fractures: Literature.* Istanbul Meeting of Orthopaedics and Traumatology, April 24-27, 2013, Istanbul, Turkey.

**Peer-review service for:**

* The Journal of Hand Surgery (Asian-Pacific Volume)
* Hand and Microsurgery
* Journal of the AAOS Global Research & Reviews
* Acta Orthopaedica et Traumatologica Turcica

**Courses (Participant)**

* TURK-MUS-VYZ Musculoskeletal Ultrasound Course, May 14 – 15, 2022, The Ankara Hotel, Ankara, Turkey.
* AO Trauma Course - Management of Fractures of the Hand and Wrist, March 1-4, 2017, Bucharest, Romania.
* AO Trauma Course – Advanced Principles of Fracture Management, January 14-17, 2017, Ankara, Turkey.
* Eastern European Course on Hand Surgery (Hand Reconstruction in Trauma and Rheumatoid Arthritis), September 4-6, 2015, Hajdûszoboszlô, Hungary.
* Prof. Dr. Rıdvan Ege IX. Basic Hand Surgery Course, April 3-4, 2015, GATA, Ankara, Turkey.
* XVI. Basic Microsurgery Course, May 7-12, 2013, Kocaeli University School of Medicine, Kocaeli, Turkey.
* Mass Casualty Management Exercise (MCME-2012), 24 February 2012, İstanbul, Turkey.
* AO Course Principles in Operative Fracture Management, January 23 – 27, 2009, Ankara, Turkey.
* Clinical Orthopaedics and Related Research (CORR) Writing Workshop, April 18 – 20. 2008, İstanbul, Turkey.