F. Figen Ayhan, MD, MHS

Professor of Medicine,

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**PERSONAL**

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| Date of Birth | 25.11.1969 |
| **Place of Birth** | Ankara |

# EDUCATION

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| --- | --- |
| 1986-1992 | Ankara University, School of Medicine, Ankara-Turkey |
| 1992-1996 | Residency, Ankara Training and Research Hospital, Physical Medicine and Rehabilitation, Ankara-Turkey |
| May 1996 | Fellow, Ankara University, School of Medicine, dept. of Sports Medicine, Ankara-Turkey |
| June 1996 | Fellow, Gulhane Military Medical School, dept. of Sports Medicine, Ankara-Turkey |
| 2000-2001 | Visiting research fellow, University of Pittsburgh Medical Center, National Cancer Institute, Magee Womens’ Hospital, Comprehensive Breast Cancer Program, Pittsburgh, Pennsylvania, USA  |
| 2002 | Fellow, Ankara University, School of Medicine, dept. of Cardiology, Ankara-Turkey |
| 2003 | Certification, National Board of Turkish Physical Medicine and Rehabilitation, Ankara-Turkey |
| 2008 | Certification, European Board of Physical and Rehabilitation Medicine, Brussels-Belgium |
| 2011 | Certification, Pain medicine specialty, Ankara-Turkey |

# ACADEMIC POSITIONS

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| --- | --- |
| December/2006- July/2014 | Associate Professor, Dept. of Physical Medicine and Rehabilitation, Ankara Training and Research Hospital, Ankara, Turkey |
| **August/2014-January/2019** | Professor, Dept. of Physical Therapy and Rehabilitation, School of Health Sciences, Usak University, Usak, Turkey |
| **July 2020-** | Professor, Dept. of Physical Medicine and Rehabilitation, School of Medicine,Atılım University, Ankara, Turkey |

**ADMINISTRATIVE DUTIES**

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| **July/1996-September/1999** | Specialist, Yenimahalle Outpatient Clinic, Ankara Training and Research Hospital, Physical Medicine and Rehabilitation  |
| November/2001-August/2014 | Chief Instructor, Divisions of oncologic rehabilitation and lymphedema, Cardiovascular and pulmonary rehabilitation, Hand rehabilitation, Dept.of Physical Medicine and Rehabilitation, Ankara Training and Research Hospital, Ankara, Turkey |
| **August/2014-January/2020** | Head, Dept. of Physical Therapy and RehabilitationUsak University, Usak, Turkey |
| **November/2019-January/2020** | Uşak University School of Medicine, Uşak Training and Research Hospital, dept. of Physical Medicine and Rehabilitation, Divisions of Rheumatology and Pain medicine |

### HONORS&AWARDS

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| --- | --- |
| 1 | 9th National Rheumatology Congress 1st ranking Poster Award, 1994. F Ayhan, M Saracoğlu, S Ardıç, B Karaoğlan, G Vural. *“The comparison of clinical, radionuclide, and radiographic features in generalized nodal osteoarthritis”,* Antalya-Turkey |
| **2** | 9th National Rheumatology Congress 2nd ranking Poster Award, 1994. F Ayhan, H Uysal, S Ardıç, R Erdem, L İnan. *“The diagnostic value of transcranial cortical and cervical stimulation in hemiplegic shoulder pain and Hemispatial neglect”*., Antalya-Turkey |
| **3** | “*Postmastectomy rehabilitation scholarship”,* Republic of Turkey, Ministry of Health, dept. of Foreign Affairs-2000 |
| **4** | 26th National Radiology Congress, TÜRKRAD2005, Award of selected presentation. D Gökharman, FA Ardıç, I Tunçbilek, S Uysal, S Aksu, S Güner, U Koşar*. “The evaluation of temporomandibular joint using high resolution spiral CT in patients with rheumatoid arthritis”*, Antalya-Turkey |
| **5** | EULAR 2014, TRASD EULAR 2014 scholarship. F Ayhan, Ş Ataman, A Rezvani, N Paker, N Taştekin, T Kaya, H Bodur, M Yener, P Yazgan, B Doğu, A Gürgan on behalf of TRASD-IP REGISTER. *“The high prevalence of obesity and association of body mass index with worse disease severity in patients with rheumatoid arthritis: results from the 1,038 patients with TRASD-IP REGISTER”*, N° FRI040, Paris-France |
| **6** | 1st Congress of Lymphedema with international attendance, 2019, The best oral presentation award: Vural S, Ayhan F. *“The level of low education and awareness in lymphedema patients underwent gynaecologic oncologic surgery: cross-sectional study”*, Istanbul-Turkey |

**RESEARCH INTERESTS**

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| 1 | Cancer rehabilitation  |
| **2** | Lymphedema, lipedema, phlebo-edema |
| **3** | Womens’ health and rehabilitation |
| **4** | Cardiovascular and pulmonary rehabilitation |
| **5** | Orthopedic and hand rehabilitation |
| **6** | Pain medicine |
| **7** | Rheumatology |

**PROFESSIONAL SERVICES**

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| 1 | Associate editor, Archives of Rheumatology  |
| **2** | Editorial board member, Journal of Physical Medicine and Rehabilitation Sciences |
| **3** | Vice president, Anatolia Lymphedema Association |
| **4** | Executive board member, Association of Hand Diseases and Rehabilitation |
| **5** | Supervisory board member, Turkish League against Rheumatism |
| **6** | Member, Osteoarthritis study group, Turkish League against Rheumatism |
| **7** | President, Lymphedema study group, Turkish Society of Physical Medicine and Rehabilitation Specialists |
| **8** | Member, Study group of COVID-19, Turkish Society of Physical Medicine and Rehabilitation  |
| **9** | Member, Study group of Cancer rehabilitation, Turkish Society of Physical Medicine and Rehabilitation  |
| **10** | Member, Study group of Hand rehabilitation, Turkish Society of Physical Medicine and Rehabilitation  |
| **11** | Member, Study group of Algology, Turkish Society of Physical Medicine and Rehabilitation  |
| **12** | Member, Study group of Stroke rehabilitation, Turkish Society of Physical Medicine and Rehabilitation  |
| **13** | Member, Study group of Kinesio-taping, Turkish Society of Physical Medicine and Rehabilitation  |
| **14** | Member, Study group of Soft-tissue rheumatism and myofascial pain, Turkish Society of Physical Medicine and Rehabilitation  |
| **15** | Member, Study group of Obesity rehabilitation, Turkish Society of Physical Medicine and Rehabilitation  |
| **16** | Member, The Society of Ankara Breast Diseases |
| **17** | Member, Association of Academic Physiatrists (AAP) |
| **18** | Member, International Association for the Study of Pain (IASP) |
| **19** | Member, International Society for Physical and Rehabilitation Medicine (ISPRM) |
| **20** | Member, National Lymphedema Network (NLN) |
| **21** | Member, International Lymphedema Framework (ILF) |

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|  | **PUBLICATIONS** |
|  | **ARTICLES** |
| 1 | **Ayhan-Ardiç FF**, Erdem R, Karaoglan B, Yorgancioglu R, Ayhan O. Clinical and Electrophysiological Evaluation of Local Steroid Injection in Carpal Tunnel Syndrome. European Journal of Physical Medicine Rehabilitation 1996; 6:140-141. |
| 2 | Ardic S, Deniz E, Arbatli M, **Ardic FA**, Aysun A. A rare intrahepatic portacaval tubular shunt in a patient with spastic paraparesis. Australas Radiol. 1997 May;41(2):181-4. Review. PubMed PMID: 9153820. |
| 3 | Ardiçoglu Ö, **Ayhan-Ardiç F**, Palulu N. Personality Characteristics in Patients with Rheumatoid Arhritis. Magyar Rheumatologia 1998;, 39: 23-32.  |
| 4 | Ardiçoglu Ö, Selvi E, **Ardiç F**, Sunguroglu K. The effects of Nimesulide and Acemetacin on Clinical and Endoscopic Findings and Gastric Fluid PGE2 levels in Patients with Knee Osteoarthritis: a double-blind Study. Magyar Rheumatologia 1999; 40: 89-93. |
| 5 | **Ayhan-Ardiç FF**, Erdem HR. Long-term clinical and electrophysiological results of local steroid injection in patients with carpal tunnel syndrome. Funct Neurol. 2000 Jul-Sep;15(3):157-65. PubMed PMID: 11062844. |
| 6 | **Ardic F**, Soyupek F, Kahraman Y, Yorgancioglu R. The musculoskeletal complications seen in type II diabetics: predominance of hand involvement. Clin Rheumatol. 2003 Sep;22(3):229-33. PubMed PMID: 14505217. |
| 7 | **Ardic F**, Kahraman Y, Soyupek F. Co-existence of Ankylosing Spondylitis and Brucellosis in a Female Patient. The Pain Clinic 2004; 16: 363-367. |
| 8 | **Ayhan-Ardic FF**, Oken O, Yorgancioglu ZR, Ustun N, Gokharman FD. Pulmonary involvement in lifelong non-smoking patients with rheumatoid arthritis and ankylosing spondylitis without respiratory symptoms. Clin Rheumatol. 2006 Mar;25(2):213-8. Epub 2005 Aug 10. PubMed PMID: 16091838. |
| 9 | **Ardic F**, Gokharman D, Atsu S, Guner S, Yilmaz M, Yorgancioglu R. The comprehensive evaluation of temporomandibular disorders seen in rheumatoid arthritis. Aust Dent J. 2006 Mar;51(1):23-8. PubMed PMID: 16669473. |
| 10 | **Ardic F**, Kahraman Y, Kacar M, Kahraman MC, Findikoglu G, Yorgancioglu ZR. Shoulder impingement syndrome: relationships between clinical, functional, and radiologic findings. Am J Phys Med Rehabil. 2006 Jan;85(1):53-60. PubMed PMID: 16357549. |
| 11 | Atsü SS, **Ayhan-Ardic F**. Temporomandibular disorders seen in rheumatology practices: A review. Rheumatol Int. 2006 Jul;26(9):781-7. Epub 2006 Jan 26. Review. PubMed PMID: 16437199. |
| 12 | Soran A, D'Angelo G, Begovic M, **Ardic F**, Harlak A, Samuel Wieand H, Vogel VG, Johnson RR. Breast cancer-related lymphedema--what are the significant predictors and how they affect the severity of lymphedema? Breast J. 2006 Nov-Dec;12(6):536-43. PubMed PMID: 17238983. |
| 13 | Soyupek F, **Ayhan F**, Ceceli E, Yorgancıoğlu R. The Evaluation of Hand Function in Women: The Important Role of Estrogen. The Back and Musculoskeletal Rehabilitation 2006;19:103-109.  |
| 14 | **Ayhan F**, Yorgancioglu ZR. RE: Shoulder Impingement Syndrome: Relationships between Clinical, Functional, and Radiologic Findings: Response Letter of Letters to the Editor. American Journal of Physical Medicine and Rehabilitation 2007;86: 1036-7. |
| 15 | **Ayhan F**, Soyupek F, Tonuk B, Gokoglu F, Yorgancioglu R. Decreased handgrip strength and increased hip osteoporosis in patients with Alzheimer`s disease. Neurosciences (Riyadh). 2007 Apr;12(2):140-4. PubMed PMID: 21857596. |
| 17 | Oken O, Kahraman Y, **Ayhan F**, Canpolat S, Yorgancioglu ZR, Oken OF. The short-term efficacy of laser, brace, and ultrasound treatment in lateral epicondylitis: a prospective, randomized, controlled trial. J Hand Ther. 2008 Jan-Mar;21(1):63-7; quiz 68. doi: 10.1197/j.jht.2007.09.003. Erratum in: J Hand Ther. 2008 Jul-Sep;21(3):303. PubMed PMID: 18215753. |
| 18 | **Figen Ayhan F**, Ustün N. The evaluation of efficacy and tolerability of Hylan G-F 20 in bilateral thumb base osteoarthritis: 6 months follow-up. Clin Rheumatol. 2009 May;28(5):535-41. doi: 10.1007/s10067-008-1080-0. Epub 2009 Jan 10. PubMed PMID: 19137352. |
| 19 | **Ayhan F**, Ceceli E, Usta M, Kurultak D, Borman P, Yorgancıoğlu R. The Importance of Cognitive Component of Comprehensive Geriatric Assessment in Home-living Elderly Patients. Turkish Journal of Geriatrics 2010; 13 (3): 150-159.  |
| 20 | Öken Ö, Köybaşı M, Tunçbilek I, **Ayhan F**, Yorgancıoğlu R. The relationships of Copeman Nodules, Lumbar Biomechanics and Discopathy in patients with low back pain.  [Turk J Phys Med Rehab 2010;56:18-20.](http://www.ftrdergisi.com/) |
| 21 | Borman P, **Ayhan F**, Ceceli E. [The inadequate anti-tumour necrosis factor (anti-TNF) therapy in patients with ankylosing spondylitis.](http://www.ncbi.nlm.nih.gov/pubmed/20012962) Rheumatol Int 2010;30:1689-90. |
| 22 | Ataman Ş, Borman P, Evcik D, Aydoğ E, **Ayhan F**, Yıldızlar D, et al. Management of rheumatoid arthritis: consensus recommendations from the Turkish League Against Rheumatism. Turk J Rheumatol 2011;26(4):273-94. |
| 23 | Batur G, Ayhan F, Alioğlu B, Okumuş M, Borman P. “Mitochondrial myopathy rehabilitation in patient with Pearson Syndrome.  [Turk J Phys Med Rehab 2011; 57 özel sayı 2:341-4.](http://www.ftrdergisi.com/) |
| 24 | Borman P, **Ayhan F**, Okumuş M. Coexistence of rheumatoid arthritis and ankylosing spondylitis. Clin Rheumatol. 2011 Nov;30(11):1517-8. doi: 10.1007/s10067-011-1851-x. Epub 2011 Sep 20. PubMed PMID: 21932018. PubMed PMID: 20978859. |
| 25 | Bodur H, Ataman S, Rezvani A, Buğdaycı DS, Cevik R, Birtane M, Akıncı A, Altay Z, Günaydın R, Yener M, Koçyiğit H, Duruöz T, Yazgan P, Cakar E, Aydın G, Hepgüler S, Altan L, Kırnap M, Olmez N, Soydemir R, Kozanoğlu E, Bal A, Sivrioğlu K, Karkucak M, Günendi Z, **Ayhan F**, et al. Quality of life and related variables in patients with ankylosing spondylitis. Qual Life Res. 2011 May;20(4):543-9. doi: 10.1007/s11136-010-9771-9. Epub 2010 Oct 27. |
| 26 | **Ayhan F**, Geçene M, Gündüz R, Borman P. Long Term Effects Of Comprehensive Inpatient Rehabilitation On The Function And Disease Activity in Patients With Chronic Rheumatoid Arthritis and Ankylosing Spondylitis Inpatient Rheumatologic Rehabilitation. Turkish Journal of Rheumatology 2011; 26:135-144. |
| 27 | Usta M, **Ayhan F**, Borman, P., R.Yorgancıoğlu. Problems of Self-care Activities encountered in rheumatoid arthritis and their relationship with disease activity and hand deformity. Turkish Journal of Rheumatology 2011; 26: 89-93. |
| 28 | Tuncer T, Çay HF, Kaçar C, Altan L, Atok OŞ, Aydın AT, **Ayhan FF**, et al. Evidence-based recommendations for the management of knee osteoarthritis: a consensus report of the Turkish League Against Rheumatism. Turkish Journal of Rheumatology 2012; 27: 1-17.  |
| 29 | Borman P, **Ayhan F**, Tuncay F, Sahin M. Foot problems in a group of patients with rheumatoid arthritis: an unmet need for foot care. Open Rheumatol J. 2012;6:290-5. doi: 10.2174/1874312901206010290. Epub 2012 Oct 4. PubMed PMID: 23066434. |
| 30 | Bodur H, Ataman S, Buğdaycı DS, Rezvani A, Nas K, Uzunca K, Emlakçıoğlu E, Karatepe AG, Durmuş B, Sezgin M, **Ayhan F**, et al; Türkiye Romatizma Araştırma ve Savaş Derneği [TRASD] (Turkish League Against Rheumatism) Ankylosing Spondylitis [AS] Study Group. Description of the registry of patients with ankylosing spondylitis in Turkey: TRASD-IP. Rheumatol Int. 2012 Jan;32(1):169-76. doi: 10.1007/s00296-010-1599-7. Epub 2010 Aug 14. PubMed PMID: 20711591. |
| 31 | Karapolat HU, Kurtaiş Y, Tur BS, Demirsoy N, Özyemişci Taşkiran Ö, Sarp Ü, Hafiz M, Külcü DG, Sarikaya S, Soyupek F, Sütbeyaz ST, Delialioğlu SÜ, Alemdaroğlu E, Ordu Gökkaya NK, Doğan A, Köseoğlu F, Ekşioğlu E, Duyur Çakit B, Dülgeroğlu Erdoğdu D, Tuncay F, **Figen Ayhan F**, Güzel R. What do patients really know about cardiopulmonary rehabilitation: a cross-sectional survey study. Eur J Phys Rehabil Med. 2012 Jun;48(2):223-30. Epub 2012 Apr 17. PubMed PMID: 22510677. |
| 32 | Akdogan S, **Ayhan F**, Kahraman S, Borman P. Impact of fatigue on cognitive functioning among premenopausal women with fibromyalgia and rheumatoid arthritis: the controlled study. J Musculoskeletal Pain 2013; 21:135–146. |
| 33 | Tuncay F, Esmer A, **Ayhan F**, Borman P. Erosive wrist and hand arthritis: is it a rare manifestation of Behçet's disease? Rheumatol Int. 2013 Oct;33(10):2703-5. doi: 10.1007/s00296-012-2498-x. Epub 2012 Aug 1. PubMed PMID: 22850768. |
| 34 | Okumus M, Koybası M, Tuncay F, Ceceli E, **Ayhan F**, Yorgancioglu R, Borman P. Fibromyalgia syndrome: is it related to vitamin D deficiency in premenopausal female patients? Pain Manag Nurs. 2013 Dec;14(4):e156-e163. doi: 10.1016/j.pmn.2011.09.006. Epub 2011 Dec 20. PubMed PMID: 24315268. |
| 35 | Rezvani A, Bodur H, Ataman S, Kaya T, Buğdaycı DS, Demir SE, Koçyiğit H, Altan L, Uğurlu H, Kırnap M, Gür A, Kozanoğlu E, Akıncı A, Tekeoğlu I, Sahin G, Bal A, Sivrioğlu K, Yazgan P, Aydın G, Hepgüler S, Olmez N, Sendur OF, Yener M, Altay Z, **Ayhan F**, et al. Correlations among enthesitis, clinical, radiographic and quality of life parameters in patients with ankylosing spondylitis. Mod Rheumatol. 2014 Jul;24(4):651-6. doi: 10.3109/14397595.2013.850182. Epub 2013 Nov 5. PubMed PMID: 24252034. |
| 36 | Catley MJ, O'Connell NE, Berryman C, **Ayhan FF**, Moseley GL. Is tactile acuity altered in people with chronic pain? a systematic review and meta-analysis. J Pain. 2014 Oct;15(10):985-1000. doi: 10.1016/j.jpain.2014.06.009. Epub 2014 Jun 28. Review. PubMed PMID: 24983492. |
| 37 | Demir G, Borman P, **Ayhan F**, Ozgün T, Kaygısız F, Yilmez G. [Serum Adenosine Deaminase Level is High But Not Related with Disease Activity Parameters in Patients with Rheumatoid Arthritis.](https://pubmed.ncbi.nlm.nih.gov/25279018/) Open Rheumatol J. 2014 Sep 12;8:24-8. doi: 10.2174/1874312901408010024.  |
| 38 | Ataman S, Sürmeli ZS, Sunar İ, Özdemirel E, Akinci A, Bodur H, Akgül Ö, Altan L, Altay Z, **Ayhan F**, et al. Turkish Compliance and Adaptation of EULAR 2013 Recommendations for the Management of Rheumatoid Arthritis with Synthetic and Biological Disease-Modifying Antirheumatic Drugs: Expert Opinion of TLAR. Arch Rheumatol 2015;30(4): 271-284. |
| 39 | Şahin M, **Ayhan FF**, Borman P, Atasoy H. The effect of hip and knee exercises on pain, function, and strength in patientswith patellofemoral pain syndrome: a randomized controlled trial. Turk J Med Sci. 2016 Feb 17;46(2):265-77. doi: 10.3906/sag-1409-66. PubMed PMID: 27511483. |
| 40 | **Ayhan FF**, Ataman Ş, Rezvani A, Paker N, Taştekin N, Kaya T, et al. Obesity Associated With Active, but Preserved Joints in Rheumatoid Arthritis: Results From our National Registry. Arch Rheumatol. 2016 Apr 20;31(3):272-280. doi: 10.5606/ArchRheumatol.2016.5761. eCollection 2016 Sep. PubMed PMID: 29900954; PubMed Central PMCID: PMC5827853. |
| 41 | Tönük ŞB, Serin E, **Ayhan FF**, Yorgancioglu ZR. The effects of physical therapeutic agents on serum levels of stress hormones in patients with osteoarthritis. Medicine (Baltimore). 2016 Aug;95(35):e4660. doi: 10.1097/MD.0000000000004660. PubMed PMID: 27583888; PubMed Central PMCID: PMC5008572. |
| 42 | Esmer A, **Ayhan FF**, Ozsoy H, Borman P, Karagoz A. A case of familial Mediterranean fever carrier and intermittent hydrarthrosis resistant to colchicine, arthroscopic synovectomy, radioactive synovectomy and repeated joint injections. Turk J Phys Med Rehab 2016; 62(3): 277-81. |
| 43 | Taser B, **Ayhan FF**, Borman P. The importance of quality of life for work outcomes in patients with ankylosing spondylitis - a cross-sectional study. Acta Reumatol Port. 2017; 42(4):300-309. PubMed PMID: 29342474. |
| 44 | Bodur H, Yurdakul FG, Ataman Ş, Garip Y, Nas K, **Ayhan FF**, et al. Turkish League Against Rheumatism Consensus Report: Recommendations For Management of Axial Spondyloarthritis. Arch Rheumatol. 2018 Feb 14;33(1):1-16. doi: 10.5606/ArchRheumatol.2018.6833. eCollection 2018 Mar. PubMed PMID: 29900976; PubMed Central PMCID: PMC5864166. |
| 45 | Nas K, Kiliç E, Çevik R, Bodur H, Ataman Ş, **Ayhan F**, et al. Management of Psoriatic Arthritis: Turkish League Against Rheumatism (TLAR) Expert Opinions. Arch Rheumatol. 2018 May 21;33(2):108-127. doi: 10.5606/ArchRheumatol.2018.6946. eCollection 2018 Jun. PubMed PMID: 30207576; PubMed Central PMCID: PMC6117146. |
| 46 | Tuncer T, Cay FH, Altan L, Gurer G, Kacar C, Ozcakir S, Atik S, **Ayhan F**, et al. 2017 update of the Turkish League Against Rheumatism (TLAR) evidence-based recommendations for the management of knee osteoarthritis. Rheumatol Int. 2018 Aug;38(8):1315-1331. doi: 10.1007/s00296-018-4044-y. Epub 2018 May 17. Review. PubMed PMID: 29777340. |
| 47 | Ataman Ş, Sunar İ, Yilmaz G, Bodur H, Nas K, **Ayhan FF**, et al. Turkish League Against Rheumatism (TLAR) Recommendations for the Pharmacological Management of Rheumatoid Arthritis: 2018 Update Under Guidance of Current Recommendations. Arch Rheumatol. 2018 Jul 9;33(3):251-271. doi: 10.5606/ArchRheumatol.2018.6911. eCollection 2018 Sep. PubMed PMID: 30632540; PubMed Central PMCID: PMC6328226. |
| 48 | **Ayhan FF**, Aykut M, Genç H, Mansız Kaplan B, Soran A. Is Complex Decongestive Physical Therapy Safe for Median Nerve at the Level of Carpal Tunnel in Breast Cancer Related Lymphedema? Lymphat Res Biol. 2019 Feb;17(1):78-86. doi: 10.1089/lrb.2018.0011. Epub 2018 Oct 24. PubMed PMID: 30358471. |
| 49 | Duyur Cakıt B, Pervane Vural S, **Ayhan FF**. Complex Decongestive Therapy in Breast Cancer-Related Lymphedema: Does Obesity Affect the Outcome Negatively? Lymphat Res Biol. 2019 Feb;17(1):45-50. doi: 10.1089/lrb.2017.0086. Epub 2018 Oct 3. PubMed PMID: 30281384. |
| 50 | Pervane Vural S, **Ayhan FF**, Duyur Cakit B, Soran A. Bone loss in the affected forearm in patients with breast cancer-related lymphedema: a controlled study. Support Care Cancer. 2019 Jul;27(7):2545-2551. doi: 10.1007/s00520-018-4541-2. Epub 2018 Nov 10. PubMed PMID: 30415293. |
| 51 | Borman P, Moffatt C, Murray S, Yaman A, Denizli M, Dalyan M, Unsal-Delialioğlu S, Eyigör S, **Ayhan F**, et al. LIMPRINT Study: The Turkish Experience. Lymphat Res Biol. 2019 Apr;17(2):202-210. doi: 10.1089/lrb.2019.0015. PubMed PMID: 30995192; PubMed Central PMCID: PMC6639105. |
| 52 | Guler MA, Celik OF, **Ayhan FF**. The important role of central sensitization in chronic musculoskeletal pain seen in different rheumatic diseases. Clin Rheumatol. 2020 Jan;39(1):269-274. doi: 10.1007/s10067-019-04749-1. Epub 2019 Aug 24. PubMed PMID: 31446538. |
| 53 | Mansiz-Kaplan B, Pervane-Vural S, Çelik ÖF, **Ayhan FF**. Is Radial Deviation of Wrist Related With Median Nerve Swelling in Patients With Rheumatoid Arthritis? A Radiographic, Ultrasonographic, and Electroneuromyographic Study. Arch Rheumatol. 2019 Apr 22;34(4):380-386. doi: 10.5606/ArchRheumatol.2019.7335. eCollection 2019 Dec. PubMed PMID: 32010886; PubMed Central PMCID: PMC6974379. |
| 54 | Sunar I, Ataman S, Nas K, Kilic E, Sargin B, Kasman SA, Alkan H, Sahin N, Cengiz G, Cuzdan N, Gezer IA, Keskin D, Mülkoğlu C, Resorlu H, Bal A, Duruöz MT, Küçükakkaş O, Yurdakul OV, Melikoglu MA, Aydın Y, **Ayhan FF**, et al. Enthesitis and its relationship with disease activity, functional status, and quality of life in psoriatic arthritis: a multi-center study. Rheumatol Int. 2020 Feb;40(2):283-294. doi: 10.1007/s00296-019-04480-9. Epub 2019 Nov 26. PubMed PMID: 31773391. |
| 55 | **Ayhan FF**, Sunar İ, Umay E, Keskin D, Altan L, Dinçer F, et al. [The Turkish League Against Rheumatism Recommendations for the Management of Hand Osteoarthritis Under Guidance of the Current Literature and 2018 European League Against Rheumatism Recommendations](https://www.archivesofrheumatology.org/abstract/1106). Online First, Arch of Rheumatology, January 8, 2020 DOI: [10.5606/ArchRheumatol.2020.7693](http://dx.doi.org/10.5606/ArchRheumatol.2020.7693).   |
| 56 | ﻿Mansiz-Kaplan B, **Ayhan FF**, Cagli M, Atik F, Ece İ. A preliminary study of the child abuse and central sensitization in adolescent patients with chronic non-organic chest pain and an overlooked condition: juvenile fibromyalgia syndrome. Pediatric Rheumatology 2020; 18: 1-8. |
| 57 | Mulkoglu C, **Ayhan FF**. A Case With Behçet’s Disease İnvolving Erosive Metacarpophalangeal joint arthritis: the value of ultrasonography in the diagnosis of erosion. BMC Medical Imaging 2020; 20: 1-6. |
| 58 | Keskin Y, Nas K, Kılıç E, Sargın B, Kasman SA, Alkan H, Şahin N, Cengiz G, Cuzdan N, Albayrak Gezer İ, Keskin D, Mülkoğlu C, Resorlu H, Ataman Ş, Bal A, Duruoz MT, Küçükakkas O, Yurdakul OV, Melikoğlu MA, Aydın Y, **Ayhan FF**, et al. [Clinical Characteristics, Disease Activity, Functional Status, and Quality of Life Results of Patients With Psoriatic Arthritis Using Biological and Conventional Synthetic Disease-Modifying Antirheumatic Drugs](https://www.archivesofrheumatology.org/abstract/1153). DOI: [10.46497/ArchRheumatol.2021.7874](http://dx.doi.org/10.46497/ArchRheumatol.2021.7874)   |
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| **165** | Vural SP, Çakıt BD, **Ayhan F**, Karagöz A. The diagnostic approach for lymphedema in a young male patient with right lower extremity lymphedema. PP32. 1st Symposium of Lymphedema, Ankara, 30 September -1 October 2016. |
| **166** | Pınar Borman, Seher Kocaoğlu, Ayhan Esmer, Muyesser Okumus, Eda Oztürk, Ferda Kaygisiz, **Figen Ayhan**, Gulseren Demir. Kinesio-taping, local steroid injection, and splinting in patients with carpal tunnel syndrome: Clinical and electrophysiological study. PP32 26th National Congress of Physical Medicine and Rehabilitation, Antalya, 2017. |
| **167** | **F. Figen Ayhan**, Alper Gümüştepe, Burcu Duyur Cakıt, Hakan Genç, Levent Ozcakar. The median nerve edema in patients with breast cancer related lymphedema receiving chronic compression treatment: Clinical, ultrasonographic and EMG study. PP62. 26th National Congress of Physical Medicine and Rehabilitation, Antalya, 2017. |
| **168** | **F.Figen Ayhan**, Melek Aykut, Hakan Genç, Burcu Duyur Cakıt, Başak Mansız Kaplan, Levent Ozcakar. The complex decongestive treatment for breast cancer related lymphedema: the importance of ultrasonography, quality of life and neuropathic pain in evaluation. P63. 26th National Congress of Physical Medicine and Rehabilitation, Antalya, 2017. |
| **169** | **F. Figen Ayhan**, Secil Vural, Burcu Duyur Cakıt , Başak Mansız Kaplan, Aynur Karagoz. The bone loss in the forearm in patients with breast cancer related lymphedema: the preliminaty report of controlled study. P64. 26th National Congress of Physical Medicine and Rehabilitation, Antalya, 2017. |
| **170** | Nesrin Demirsoy, Özden Özyemişçi Taşkıran, Tuğba Atan, Dilek Durmuş, Birkan Sonel Tur, Gülin Fındıkoğlu, Rengin Güzel, Hale Karapolat, Emel Ekşioğlu, Selda Sarıkaya, Feray Soyupek, **Figen Ayhan**. The relationship of exercise capacity and fear of activity in patients with coronary artery disease: multi-center study. OP71. 26th National Congress of Physical Medicine and Rehabilitation, Antalya, 2017. |
| **171** | Vural SP, **Ayhan F**, Cakıt BD. The bone loss in the forearm in patients with breast cancer related lymphedema: the controlled study. OP1. 2nd Symposium of lymphedema, Ankara, 2017. |
| **172** | Kaplan BM, Topçuoğlu RC, Çağlı M, Çakıt BD, **Ayhan F**. Lymphedema associated with yellow nail syndrome. PP08. 2nd Symposium of lymphedema, Ankara, 2017. |
| **173** | Turan Y, Yıldırım T, Borman P, **Ayhan F**, Eyigör S, Akalın E, Çakıt BD, Genç H, Berkit IK, Sabancı S , Ersoy Y, Cerrahoğlu L. What do patients know about lymphedema after their breast cancer surgery? 2nd Symposium of lymphedema, Ankara, 2017. |
| **174** | Mülkoğlu C, **Ayhan FF**. A case with erosive metacarpophalangeal joint arthritis of Behçet disease as previously diagnosed as rheumatoid arthritis. PP161, 19th National Comgress of Rheumatology, Bodrum, 26-30 September 2018. |
| **175** | Çağlı M, **Ayhan FF**. Heterotopic ossification fracture mimicking femoral neck fracture. 6th Congress of Medical Rehabilitation, Ankara, 8-11 November 2018.  |
| **176** | Çelik ÖF, **Ayhan FF**. Certolizumab Pegol Tedavisine erken yanıtsız Seropozitif Erkek RA Hastasında US’nin tedavi kararındaki etkisi. Ege Romatoloji Günleri, P001, Karahayıt-Denizli, 15-18 November 2018,  |

**CITATIONS**

|  |  |
| --- | --- |
| Sum of times cited without self-citations (ISI Web of Science):  | 472 |
| H-index (ISI Web of Science):  | 10  |

**COURSES GIVEN**

|  |  |
| --- | --- |
| **1** | Turkish Rheumatology Congress with International Attendance 2018, Coordinator, TLAR-RAD Imaging School, Northern Cyprus, 27 March -1 April 2018. |
| **2** | 3rd Symposium of Lymphedema with International Attendance: Multi-disciplinary Approach. Course Instructor: Lower extremity lymphedema bandaging, İzmir, 5-6 October 2018. |
| **3** | 3rd Symposium of Lymphedema with International Attendance: Multi-disciplinary Approach. Course Instructor: Lower extremity lymphedema kinesio-taping, İzmir, 5-6 October 2018. |
| **4** | Breastanbul 3rd Breast Cancer Conference, Speaker: Plastic and reconstructive surgery course: Lymphedema, conservative management, İstanbul, 11-13 October 2018. |
| **5** | Turkish Rheumatology Congress with International Attendance 2019, Coordinator, TLAR-RAD Imaging School for US Training in rheumatic disease, Instructor: Introduction; Device, Probes, Knobology, US setting, B-mod, Color Flow, Doppler Mod ans Normal Anatomic Images (Joint, Cartilage, Tendon, Enthesis, etc.), Antalya, 20-24 March 2019. |
| **6** | Turkish Rheumatology Congress with International Attendance 2019, Good writing and Publication Skills Course, Instructor, Research Ethic and related problems: a. Who is author, who is participant? b. International ethic rules about Authorship c. Ethic committee and rules d. Plagiarism, Antalya, 20-24 March 2019.  |
| **7** | 27th National Congress of Physical medicine and Rehabilitation with International Attendance. Coordinator, the course of updated approach to diagnosis and treatment of upper extremity lymphedema, Instructor: the diagnosis for breast cancer related lymphedema. Antalya, 17-21 April 2019. |
| **8** | 27th National Congress of Physical medicine and Rehabilitation with International Attendance. Coordinator, the course of updated approach to diagnosis and treatment of upper extremity lymphedema, Instructor: CDT for upper extremity (skin care, MLD, MLB / compression garments and exercises), Antalya, 17-21 April 2019. |
| **9** | 1st Congress of Lympghedema with International Attendance. WORKSHOP 1: Complex decongestive therapy in upper extremity lymphedema, Instructor, Multi-layer bandaging, İstanbul, 11-13 October 2019.  |
| **10** | 1st Congress of Lympghedema with International Attendance. WORKSHOP 3: Kinesio-taping in lymphedema. Instructor, Kinesio-taping in upper extremity lymphedema, İstanbul, 11-13 October 2019.  |
| **11** | 4th Turkish Rheumatology Congress. Therapeutic injections Course, Instructor, Upper extremity intra-articular and peri-articular injections, Antalya, 07 Nisan 2010. |
| **12** | Turkish Society of Physical and Rehabilitation Medicine Specialists, İzmir branch. Coordinator, Breast cancer and lymphedema Course, İzmir, 02-03 October 2010.  |
| **13** | 9th Turkish Rheumatology Symposium. Therapeutic injections Course, Instructor, Upper extremity intra-articular and peri-articular injections, Antalya, 10 March 2011. |
| **14** | 10th Turkish Rheumatology Symposium. Musculoskeletal injection therapy Course, Instructor, Upper extremity intra-articular injections, Dalaman, 10 April 2013. |
| **15** | Turkish Society of Physical medicine and Rehabilitation. Breast cancer rehabilitation course, Coordinator, İstanbul, 19-20 November 2011.  |
| **16** | 5th Turkish Rheumatology Congress. Therapeutic injection application Course, Instructor, Upper extremity intra-articular and peri-articular injections, Antalya, 27 March 2012. |
| **17** | Turkish Society of Physical and Rehabilitation Medicine Specialists, Breast cancer and lymphedema rehabilitation, complex decongestive therapy course. Coordinator, Ankara, 14 March 2012.  |
| **18** | Lenfaturk 2012, The basic diagnosis and treatment training, Coordinator, Ankara, 14-15 Ocak 2012, Ankara. |
| **19** | Lenfaturk 2012, Therapist tranining for lymphatic system disorders. Coordinator, Ankara, 17 March 2012.  |
| **20** | Lenfaturk 2012, The basic diagnosis and treatment training, Coordinator, Ankara, 12-13 May 2012.  |
| **21** | Doktorus Therapeutic injection cadaver course, Instructor, Ankara University School of Medicine, dept.of Anatomy, 26-27 May 2012.  |
| **22** | Lenfaturk 2012, The basic diagnosis and treatment training, Coordinator, Ankara, 1-2 September 2012. |
| **23** | Turkish Society of Physical and Rehabilitation Medicine Specialists, Erzurum branch. Breast cancer and lymphedema course. Coordinator, Erzurum, 6 October 2012.  |
| **24** | 3rd Congress of Medical Rehabilitation. Cardiopulmonary rehabilitation course, Instructor, Cardiac rehabilitation, Ankara, 15 November 2012.  |
| **25** | 24th National Congress of Physical medicine and Rehabilitation. Course of Prosthesis application and rehabilitation for lower extremity amputations. Instructor, The shaping of stump and bandaging. 8-bandaging with hands-on practice. Antalya, 27 March 2013. |
| **26** | Lenfaturk 2012, The basic diagnosis and treatment training, Coordinator, Ankara, 12-13 May September 2012. |
| **27** | Doktorus Therapeutic injection cadaver course, Instructor, Ankara University School of Medicine, dept.of Anatomy, 11-12 May 2012.  |
| **28** | İnönü University School of Medicine. Lymphedema rehabilitation for patients with breast cancer Course. Malatya, 08 Haziran 2013. |
| **29** | The Society of Hand Disease and Rehabilitation, Rheumatoid Hand Course, Instructor, Imaging of Rheumatoid Hand, 08 Hospital of Turgut Özal University School of Medicine, Ankara, November 2013.  |
| **30** | 6th Turkish Rheumatology Congress with International Attendance, Therapeutic injections course, Instructor, Upper extremity intra-articular and peri-articular injections, Antalya, 25 March 2014.  |
| **31** | Turkish Society of Physical and Rehabilitation Medicine Specialists, Lower extremity lymphedema treatment course, Instructor, 3 May 2014, Ankara |
| **32** | The association of integrative medicine, Coordinator, Upper extremity lymphedema treatment course, Instructor, 8 June 2014, Ankara |
| **33** | Kayseri Training and Research Hospital, Upper extremity lymphedema treatment course, Cootdinator, 21 June 2014, Kayseri |
| **34** | Medicana International Ankara Hospital FTR Kliniği, Upper extremity lymphedema rehabilitation course, Coordinator, Ankara, 15 November 2014. |
| **35** | Turkish Society of Physical and Rehabilitation Medicine Specialists, Therapeutic injections course, Instructor, Upper extremity intra-articular and peri-articular injections, Ankara, 24 January 2015.  |
| **36** | 11th Turkish Rheumatology Symposium. Interventional algology course, Coordinator, 26-29 Mart 2015, Antalya. |
| **37** | 25th National Congress of Physical medicine and Rehabilitation, Lower extremity lymphedema treatment course, Coordinator, 22-26 April 2015, Antalya. |
| **38** | Anadolu Lymphedema Association, Lower extremity lymphedema treatment course, Coordinator, Ankara, 09 May 2015. |
| **39** | Süleyman Demirel University School of medicine, Upper extremity lymphedema rehabilitation course, Coordinator, Isparta, 16 May 2015. |
| **40** | Anadolu Lymphedema Association, Kinesiotaping techniques in lymphedema course, Instructor, Ankara, 14 November 2015.  |
| **41** | Turkish Society of Physical and Rehabilitation Medicine Specialists, Therapeutic injections course, Instructor, Upper extremity intra-articular and peri-articular injections, Ankara, 05 December 2015.  |
| **42** | Turkish Society of Physical and Rehabilitation Medicine Specialists, Kinesio-taping in musculoskeletal pain course, Instructor, Ankara, 28 February 2016. |
| **43** | Anadolu Lymphedema Association, Lower extremity complex decongestive therapy course, Coordinator, Ankara, 5 March 2016. |
| **44** | Anadolu Lymphedema Association, Upper extremity lymphedema rehabilitation course, Instructor, Ankara, 16 April 2016.  |
| **45** | Anadolu Lymphedema Association, 1st Lymphedema Symposium. Lower extremity complex decongestive therapy Workshop, Instructor, multi-layer bandaging, Ankara, 1 October 2016. |
| **46** | Anadolu Lymphedema Association, 1st Lymphedema Symposium, Kinesiotaping techniques in upper extremity lymphedema Workshop, Instructor, Ankara, 1 October 2016.  |
| **47** | 5th Congress of Medical Rehabilitation. Therapeutic joint, soft tissue and peripheral nerves injections course. Instructor, Ankara, 3 November 2016.  |
| **48** | Anadolu Lymphedema Association, Kinesiotaping techniques in upper extremity lymphedema course, Instructor, Ankara, 4 March 2016.  |
| **49** | Anadolu Lymphedema Association, 6th of March World Lymphedema Awareness Day, Patient education course, Ankara, 6 March 2017.  |
| **50** | Turkish Rheumatology Congress with International Attendance 2017, Therapeutic injections course, Coordinator, Antalya, 22 March 2017.  |
| **51** | Turkish Rheumatology Congress with International Attendance 2017, Therapeutic injections course, Instructor, Upper extremity joint and soft-tissue injections, Antalya, 22 March 2017. |
| **52** | 26th National Congress of Physical medicine and Rehabilitation, Lower extremity lymphedema treatment course, Coordinator, Antalya, 25 April 2017.  |
| **53** | 26th National Congress of Physical medicine and Rehabilitation, Lower extremity lymphedema treatment course, Instructor, Compression therapies case by case, prescription and re-imbursement process, Antalya, 25 Nisan 2017 |
| **54** | Anadolu Lymphedema Association, 2nd Lymphedema Symposium, Coordinator, Lower extremity lymphedema treatment course, Ankara, 30 September 2017. |
| **55** | Anadolu Lymphedema Association, 2nd Lymphedema Symposium, Instructor, Lower extremity lymphedema treatment course, Multi-layer bandaging, Ankara, 30 September 2017.  |
| **56** | Anadolu Lymphedema Association, Lymphedema course-1 Basic trainig, Compression garments, Aydın, 2 December 2017. |
| **57** | 15th Physical medicine and Rehabilitation Uludağ Winter Symposium, Breast cancer rehabilitation and upper extremity lymphedema course, Instructor, Uludağ, 08-11 March 2018. |
| **58** | 2nd Congress of Physical medicine and Rehabilitation couse days, Lower extremity lymphedema diagnosis and treatment course, Instructor, Antalya, 26-29 April 2018. |
| **59** | Anadolu Lymphedema Association Izmir branch, Lower extremity lymphedema rehabilitation course, Instructor, İzmir, 12 May 2018. |
| **60** | Upper extremity lymphedema rehabilitation and Robotic rehabilitation training program, Instructor, The updated approaches in lymphedema treatment and complex decongestive treatment (CDT). Yozgat City Hospital, 10 August 2018.  |
| **61** | Upper extremity lymphedema rehabilitation and Robotic rehabilitation training program, Instructor, Multi-layer bandaging, Yozgat City Hospital, 10 August 2018.  |
| **62** | 6th Medical rehabilitation congress. Therapeutic injections course, Instructor, Upper extremity joint and soft-tissue injections, Ankara, 8 October 2018. |
| **63** | Anadolu Lymphedema Association, Upper extremity lymphedema rehabilitation course, Coordinator, Ankara, 2 March 2019. |
| **64** | 15th National Congress of Breast Diseases. What should we know about diagnosis and treatment of lymphedema course, Instructor, The prevention and recognition in high-risk group for lymphedema. Antalya 17-20 October 2019. |
| **65** | 16th Physical medicine and Rehabilitation Uludağ Winter Symposium, Lower extremity lymphedema rehabilitation course, Instructor, The evaluation, diagnosis, and follow-up for lymphedema, Uludağ, 05-08 March 2020. |
| **66** | 16th Physical medicine and Rehabilitation Uludağ Winter Symposium, Lower extremity lymphedema rehabilitation course, Instructor, Multi-layer bandaging, Uludağ, 05-08 March 2020. |

**THESES SUPERVISED**

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| --- | --- |
| 1 | Cinevre Soyupek, Feray, *“The evaluation of hand dexterity and hand functions in pre- and post-menapausal women: the role of estrogen and progesteron”*, Dept.of Physical Medicine and Rehabilitation, Ankara Training and Research Hospital, Ankara, Turkey, 2003. |
| **2** | Akdoğan, Sedat, *“The evaluation of cognitive functions in fibromyalgia syndrome”* Dept.of Physical Medicine and Rehabilitation, Ankara Training and Research Hospital, Ankara, Turkey, 2011. |
| **3** | Şahin, Mehtap, *“The contribution of hip abductor and external rotator muscle strengthening exercises in pain, function, and isokinetic muscle strength for patellofemoral pain syndrome”* Dept.of Physical Medicine and Rehabilitation, Ankara Training and Research Hospital, Ankara, Turkey, 2012. |
| **4** | Çağlı, Burcu, “*The factors affecting work productivity and work instability in ankylosing spondylitis: multi-aspect view”*, Dept.of Physical Medicine and Rehabilitation, Ankara Training and Research Hospital, Ankara, Turkey, 2013. |
| **5** | Selçuk Yılmaz, Sedef, *“The comparison of low-level LASER therapy, kinesiotaping and manual lymphatic drainage in early stage II breast cancer related lymphedema*”, Dept.of Physical Medicine and Rehabilitation, Ankara Training and Research Hospital, Ankara, Turkey, 2017. |