

## Assoc. Prof. Murat AYHAN, MD

### Medical Oncology

#### Medical Fields of Interest

- Breast Cancer
- Lung Cancer
- Colorectal Cancers
- Gynecological and Urogenital Cancers
- Molecular Oncology
- Immunotherapy
- Smart Drugs
- Hormone Therapy
- Chemotherapy

#### Education

- Kızıltepe Anatolian High School 2001
- Dicle University, Faculty of Medicine 2007
- Istanbul Medeniyet University Göztepe Training and Research Hospital 2014
- Kartal City Hospital 2021
- Associate Professor of Medical Oncology 2023

#### Experiences

- Liv Hospital Vadistanbul
- Adıyaman University Training and Research Hospital
- Istanbul Umraniye Training and Research Hospital
- Istanbul Umraniye Training and Research Hospital

#### Research

- Phase II, Randomized, Open-Label, Multicenter Study to Comparatively Evaluate the Efficacy and Safety of Endocrine Monotherapy Preferred by the Physician with GDC-9545 in Patients who has received Treatment before, with Estrogen Receptor Positive, HER2-Negative, Locally Advanced Stage or Metastatic Breast Cancer, Other (International), Murat Ayhan, MD
- Phase III, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Efficacy and Safety of Palbociclib and Fulvestrant along with Placebo Compared to Palbociclib and Fulvestrant with Gdc-0077 in Patients with Pk3ca-Mutant, Hormone Receptor-Positive, HER2-Negative, Locally Advanced or Metastatic Breast Cancer, Other (International), Murat Ayhan, MD
- Randomized, Multicenter, Phase Ib/III Study Evaluating the Pharmacokinetics, Efficacy and Safety of Subcutaneous Atezolizumab Compared to Intravenous Atezolizumab in Patients with Previously Treated Locally Advanced or Metastatic Non-Small Cell Lung Cancer, Other (International) Murat Ayhan, MD
- Randomized, Controlled, Multicenter, Open-Label Study Investigating the Efficacy and Safety of Adding Apalutamide to Radiotherapy and LHRH Agonist in PSMA-PET-Positive High-Risk Hormone-Sensitive Prostate Cancer Patients, Including Observation Follow-Up for PSMA-PET-Negative Patients, Other (International) Murat Ayhan, MD



• Biomarker Study to Identify Patients with Advanced Stage Urothelial Cancer and Fibroblast Growth Factor Receptor Gene Aberrations-42756493BLC0002, Other (International), Murat Ayhan, MD

## Publications

- Ayhan M, Turan N, Köstek O, et al. Does the efficacy of regorafenib differ in chemotherapy refractory metastatic colorectal cancer patients who had mucinous pathology compared to those who had non-mucinous pathology? *Curr Probl Cancer*. 2021 Jun;45(3):100670. doi: 10.1016/j.currproblcancer.2020.100670.
- Ayhan M, Odabas H, Turan N, et al. Factors affecting the mortality rate of patients with cancer hospitalized with COVID-19: a single center's experience. *J Chemother*. 2021 Nov;33(7):499-508. doi: 10.1080/1120009X.2021.1923153.
- Ayhan M, Laçın Ş, Özyükseler DT, et al. Does systemic anti-tumor therapy increase COVID-19 risk in patients with cancer? *J Oncol Pharm Pract*. 2021 Sep;27(6):1461-1467. doi: 10.1177/10781552211015762.
- Ayhan M, Abamor E, Coban Kokten S, et al. Value of FDG PET/CT in Predicting Pathologic Complete Response After Neoadjuvant Chemotherapy in Locally Advanced Breast Cancer. *EJMI* 2022;6(2):165-175.
- Ayhan M, Terzioğlu K. Experience With Rapid Drug Desensitisation With Chemotherapeutics; A Single Centre Retrospective Study. *EJMI* 2021;5(3):380-387.
- Doğan A, AYHAN M. Survival analysis of patients with triple-negative breast cancer: a single-center experience. *Journal of Oncological Sciences*, 8(2), 94-99., Doi: 10.37047/jos.2022-89749
- Terzioğlu K, Ayhan M. Comparative Assessment of Platinum Salts and Taxane Group Hypersensitivity Reactions, The Role of Skin Tests in Diagnosis? *J Oncol Pharm Pract*. 2021 Nov 30;10781552211050084. doi: 10.1177/10781552211050084.
- Tacar SY, Selcukbiricik F, Yilmaz M, Erturk K, Murat Sarici A, Gulturk I, Ayhan M, Tural D. Nivolumab for metastatic uveal melanoma: a multicenter, retrospective study. *Melanoma Res*. 2021 Oct 1;31(5):449-455. doi: 10.1097/CMR.0000000000000744.
- Özyurt E, Özçelik S, Sürmeli H, Çelik M, Ayhan M, Özçelik M. Side effects of immune-checkpoint inhibitors: Can multiple side effects be seen in a patient? *J Oncol Pharm Pract*. 2022 Mar;28(2):462-465. doi: 10.1177/10781552211038136.
- Dülğar Ö, Öven BB, Atıcı MM, Arıkan R, Ay S, Ayhan M, Selvi O, Ozyukseler DT, Bayram E, Özcan E, Yasin Aİ, Gümüş M. Is the benefit of using adjuvant capecitabine in patients with residual triple-negative breast cancer related to pathological response to neoadjuvant chemotherapy? *Expert Rev Anticancer Ther*. 2022 Jul;22(7):773-780. doi: 10.1080/14737140.2022.2076670.
- Hizal M, Bilgin B, Paksoy N, Ayhan M, et al. The real-life efficacy and safety of osimertinib in pretreated advanced non-small cell lung cancer patients with T790M mutation: a Turkish Oncology Group Study. *J Cancer Res Clin Oncol*. 2022 Jun;148(6):1501-1508. doi: 10.1007/s00432-021-03748-7.
- Cil I, Kucukarda A, Atıcı MM, Ayhan M, et al. Efficacy and safety of trastuzumab emtansine in older patients with HER2-positive advanced breast cancer: a real-world study. *Tumori*. 2022 Feb;108(1):19-25. doi: 10.1177/03008916211037739.
- Dogan I, Ayhan M, Gurbuz M, et al. The frequency and prognostic significance of ABO/Rh blood groups in male breast cancer patients: A multicenter study. *Medicine (Baltimore)*. 2022 Sep 2;101(35):e30147. doi: 10.1097/MD.00000000000030147.
- Ozcelik M, Oyman A, Cil I, Duzgun O, Ozkan OF, Ayhan M. Cytoreductive Surgery versus Systemic Chemotherapy alone in Isolated Peritoneal Carcinomatosis of Colorectal Origin. *J Coll Physicians Surg Pak*. 2021 Nov;31(11):1308-1313. doi: 10.29271/jcpsp.2021.11.1308.
- Başoğlu T, Sakin A, Erol C, Ayhan M, et al. Real life experience of patients with locally advanced gastric and gastroesophageal junction adenocarcinoma treated with neoadjuvant chemotherapy: a Turkish oncology group study. *J Chemother*. 2022 May 17:1-8. doi: 10.1080/1120009X.2022.2073159.

- Özdemir Ö, Zengel B, Yildiz Y, Ayhan M, et al. The effectiveness and safety of neoadjuvant pertuzumab and trastuzumab in women with locally advanced, inflammatory, or early-stage human epidermal growth factor receptor 2-positive breast cancer: Turkish Oncology Group study. *Anticancer Drugs*. 2022 Aug 1;33(7):663-670. doi: 10.1097/CAD.0000000000001310.
- Hizal M, Bilgin B, Paksoy N, Ayhan M, et al. The percentage of ALK-positive cells and the efficacy of first-line alectinib in advanced non-small cell lung cancer: is it a novel factor for stratification? (Turkish Oncology Group Study). *J Cancer Res Clin Oncol*. 2022 Sep 1. doi: 10.1007/s00432-022-04252-2.
- Hizal M, Bilgin B, Paksoy N, Ayhan M, et al. Real-world data on efficacy and safety of first-line alectinib treatment in advanced-stage, ALK-positive non-small-cell lung cancer patients: a Turkish Oncology Group study. *Future Oncol*. 2022 Jul;18(23):2573-2582. doi: 10.2217/fon-2022-0083.
- Topcu A, Atci MM, Secmeler S, Besiroglu M, Ayhan M, Ozkan M, Bozkurt O, Urakci Z, Ay S, Geredeli C, Yasin AI, Turk HM. Efficacy of trastuzumab and potential risk factors on survival in patients with HER2-positive metastatic gastric cancer. *Future Oncol*. 2021 Nov;17(31):4157-4169. doi: 10.2217/fon-2021-0398.
- Bilgin B, Sendur MAN, Yucel S, Ayhan M, et al. Real-life comparison of the afatinib and first-generation tyrosine kinase inhibitors in nonsmall cell lung cancer harboring EGFR exon 19 deletion: a Turk Oncology Group (TOG) study. *J Cancer Res Clin Oncol*. 2021 Jul;147(7):2145-2152. doi: 10.1007/s00432-020-03501-6.
- Atci MM, Akagunduz B, Demir M, Arikan R, Ay S, Ozer M, Ayhan M, Cil I, Demir N, Ozyurt N, Karakaya G, Cevik GT, Onder AH, Selvi O, Sakin A. The impact of adjuvant oxaliplatin and tumor sidedness on the overall survival of stage IIB colon cancer patients: a multicentre study. *J Chemother*. 2023 Feb;35(1):19-28. doi: 10.1080/1120009X.2022.2040770.
- Tataroglu Ozyukseler D, Ay S, Turan M, Alkan G, Ayhan M, Surmeli H, et al. The Systemic Inflammation Response Index as a Prognostic Marker in Advanced Pancreatic Cancer. *EJMI* 2022;6(3):367-373.
- Yildiz F, Ayhan M, Demir H, et al. Comparing the efficacy of cabazitaxel in secondline and third-Line treatment of metastatic castration-resistant prostate cancer: a multi-center experience from Turkey. *International Journal of Contemporary Medical Research*, 7(9), 112-116., Doi: 10.21276/ijcmr.2020.7.9.30
- Terzioğlu K, Ayhan M. Distribution of allergens detected on patch tests of patients with allergic contact dermatitis and investigation of their atopic background. *Annals of Medical Research*, 29(5), 422-426., Doi: 10.5455/annalsmedres.2021.07.490
- Arikan R, Atci MM, Ay S, Ayhan M, et al Prognostic significance of mucinous histology in left sided metastatic colorectal cancers with wild type RAS and evaluation of backbone chemotherapy regimens. *Oncol Lett*. 2023 Apr 5;25(5):208. doi: 10.3892/ol.2023.13795.
- Almuradova E, Yalcin S, Arikan R, Ayhan M, Demir H, Cevik GT, Karaca M, Petekkaya I, Karabulut B. Survival of Patients With Metastatic Rectum Cancer Who Underwent Metastasectomy Following Conversion Chemotherapy Sans Pelvic Radiotherapy: A Turkish Oncology Group Study. *Cureus*. 2023 May 17;15(5):e39119. doi: 10.7759/cureus.39119.
- Topcu A, Besiroglu M, Atci MM, Ayhan M, et al. Second-line Therapy after Trastuzumab Failure in HER2-Positive Metastatic Gastric Cancer: A Real-life Data. *EJMI* 2023;7(2):153-161. DOI: 10.14744/ejmi.2023.22720

## Memberships

- European Society of Medical Oncology (ESMO)
- Turkish Society of Medical Oncology (TTOD)

## Book Authoring

- Drug interactions and side effects of targeted agents, Section name: (Small molecule tyrosine kinase inhibitors; ROS-1 targeted therapies (Crizotinib, Seritinib)) (2021), AYHAN MURAT, Turkish Clinics Journal of Medical Sciences, Editor: Mehmet Aliustaoglu, Issue: 1, Number of Pages: 92, ISBN:978-625-401- 466-6, Turkish

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- Approach to gastrointestinal stromal tumors and neuroendocrine tumors, Section name: (Medical approach in primary non-gastrointestinal neuroendocrine tumors) (2020), AYHAN MURAT, Academician Publishing House, Editor: Anılır Ender, Issue: 1, Number of Pages 382, ISBN: 9786052585719, Turkish
  - Internal medicine emergencies, Section name: (Oncological emergencies) (2022), YILDIRIM SEDAT, AYHAN MURAT, Efe Academic Publishing, Editor: Serdar Olt, Issue: 1, Number of Pages 232, ISBN: 978-625-8324-66- 2, Turkish
  - Physicians' cancer chemotherapy drug manual 2020, Section name: (Common chemotherapy regimens in clinical practice) (2022), SUMBUL AHMET TANER, ALKAN ALI, AKSOY ASUDE, AYHAN MURAT, et all, Turkish Clinics Journal of Medical Sciences, Editor: EDWAR CHU, VINCENT T. DEVITA, SAADDETIN KILIÇKAP, CEMIL BILIR, SELÇUK SEBER, Issue: 1, Number of Pages 772, ISBN: 978-625-401-290- 7, Turkish (Book Translation )

